

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002160.D
 Acq On : 31 May 2018 02:37
 Operator : JC/MD
 Sample : VX0530WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:49 PM

Quant Time: May 31 06:47:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	299006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	166680	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.51	113	124795	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	
50) Toluene-d8	8.72	98	449744	41.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.10%	
62) 4-Bromofluorobenzene	11.14	95	174754	41.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33918	13.00	ug/l	99
3) Chloromethane	1.32	50	61205	21.29	ug/l	100
4) Vinyl Chloride	1.40	62	55476	19.98	ug/l	100
5) Bromomethane	1.64	94	35745	27.54	ug/l	99
6) Chloroethane	1.72	64	40855	24.96	ug/l	99
7) Trichlorofluoromethane	1.93	101	81996	19.67	ug/l	96
8) Diethyl Ether	2.19	74	42344	27.99	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44004	18.91	ug/l	96
10) Methyl Iodide	2.51	142	54779	17.40	ug/l	96
11) Tert butyl alcohol	3.08	59	97061	148.02	ug/l	97
12) 1,1-Dichloroethene	2.37	96	46788	21.48	ug/l	96
13) Acrolein	2.30	56	25820	91.07	ug/l	100
14) Allyl chloride	2.73	41	110755	24.22	ug/l	98
15) Acrylonitrile	3.15	53	190237	141.08	ug/l	100
16) Acetone	2.45	43	181910	141.10	ug/l	100
17) Carbon Disulfide	2.57	76	111388	17.77	ug/l	99
18) Methyl Acetate	2.78	43	97608	31.00	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	222025	27.10	ug/l	100
20) Methylene Chloride	2.86	84	67352	29.49	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	54435	24.88	ug/l	91
22) Diisopropyl ether	3.88	45	210605	22.64	ug/l	100
23) Vinyl Acetate	3.83	43	906052	117.50	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103461	23.42	ug/l	99
25) 2-Butanone	4.71	43	262549	111.11	ug/l	99
26) 2,2-Dichloropropane	4.59	77	60256	13.47	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	61634	21.70	ug/l	94
28) Bromochloromethane	5.02	49	54068	28.24	ug/l	99
29) Tetrahydrofuran	5.17	42	172453	112.18	ug/l	100
30) Chloroform	5.22	83	108126	21.72	ug/l	100
31) Cyclohexane	5.58	56	73939	16.06	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	86163	18.57	ug/l	99
36) 1,1-Dichloropropene	5.80	75	67163	16.15	ug/l	99
37) Ethyl Acetate	4.87	43	102280	18.86	ug/l	100
38) Carbon Tetrachloride	5.79	117	68803	14.19	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002160.D
 Acq On : 31 May 2018 02:37
 Operator : JC/MD
 Sample : VX0530WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0530WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:49 PM

Quant Time: May 31 06:47:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68679	13.44	ug/l	100
40) Benzene	6.15	78	231534	19.00	ug/l	99
41) Methacrylonitrile	5.07	41	58808	19.73	ug/l	98
42) 1,2-Dichloroethane	6.20	62	96108	19.75	ug/l	100
43) Isopropyl Acetate	6.47	43	170444	18.87	ug/l	99
44) Trichloroethene	7.22	130	62766	17.68	ug/l	98
45) 1,2-Dichloropropane	7.52	63	65563	19.81	ug/l	99
46) Dibromomethane	7.66	93	43651	19.92	ug/l	98
47) Bromodichloromethane	7.90	83	77884	16.67	ug/l	100
48) Methyl methacrylate	7.78	41	87066	18.93	ug/l	98
49) 1,4-Dioxane	7.76	88	33806	417.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	559158	102.67	ug/l	98
52) Toluene	8.79	92	146384	18.88	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	90638	16.85	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	84526	16.12	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	63922	19.73	ug/l	99
56) Ethyl methacrylate	9.18	69	103759	18.62	ug/l	99
57) 1,3-Dichloropropane	9.38	76	106715	20.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	234554	94.98	ug/l	100
59) 2-Hexanone	9.50	43	425417	101.31	ug/l	99
60) Dibromochloromethane	9.59	129	62034	16.17	ug/l	100
61) 1,2-Dibromoethane	9.68	107	67435	19.84	ug/l	98
64) Tetrachloroethene	9.34	164	71611	17.73	ug/l	99
65) Chlorobenzene	10.14	112	168716	18.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	62886	17.45	ug/l	99
67) Ethyl Benzene	10.26	91	279564	18.03	ug/l	99
68) m/p-Xylenes	10.36	106	213929	36.08	ug/l	100
69) o-Xylene	10.70	106	110923	18.74	ug/l	99
70) Styrene	10.71	104	180523	18.39	ug/l	100
71) Bromoform	10.86	173	46520	13.61	ug/l #	100
73) Isopropylbenzene	11.02	105	275420	18.24	ug/l	99
74) N-amyl acetate	6.47	43	170444	19.85	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	92137	21.59	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	94769m	22.12	ug/l	
77) Bromobenzene	11.26	156	80472	20.08	ug/l	97
78) n-propylbenzene	11.37	91	302324	17.87	ug/l	99
79) 2-Chlorotoluene	11.43	91	197580	19.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	234806	18.19	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22820	12.80	ug/l #	84
82) 4-Chlorotoluene	11.51	91	224532	18.82	ug/l	100
83) tert-Butylbenzene	11.77	119	221921	17.52	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	249774	18.73	ug/l	99
85) sec-Butylbenzene	11.95	105	260184	17.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	236631	17.37	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	135479	18.88	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137610	19.18	ug/l	99
89) n-Butylbenzene	12.39	91	185549	16.07	ug/l	99
90) Hexachloroethane	12.60	117	35764	13.31	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	143983	19.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21065	15.69	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
Data File : VX002160.D
Acq On : 31 May 2018 02:37
Operator : JC/MD
Sample : VX0530WBS03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

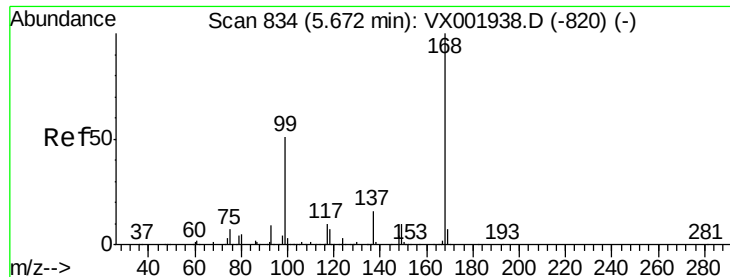
Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM

Quant Time: May 31 06:47:36 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95232	18.22	ug/l	99
94) Hexachlorobutadiene	13.79	225	42527	15.12	ug/l	98
95) Naphthalene	13.84	128	316250	19.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	102168	18.89	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion:168 Resp: 186881

Ion Ratio Lower Upper

168 100

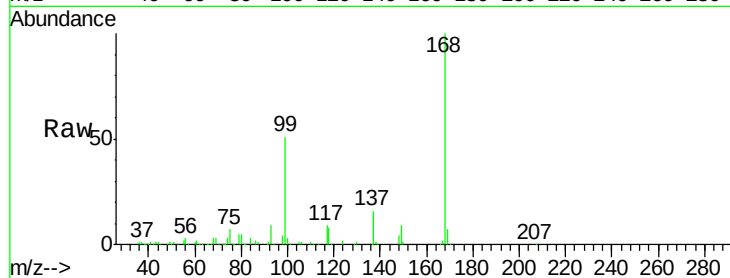
99 50.5 41.0 61.4

Manual Integrations

APPROVED

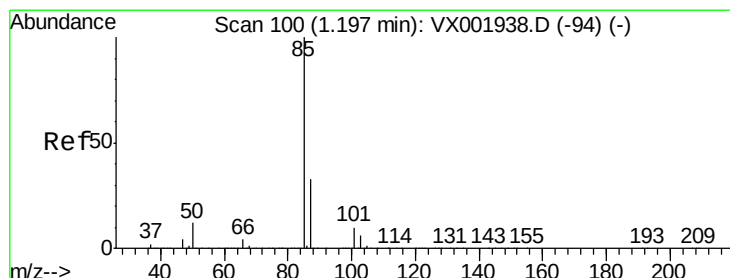
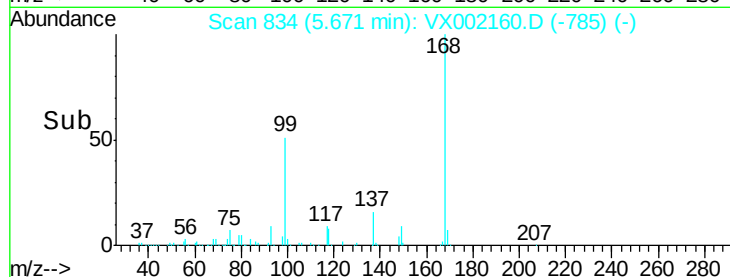
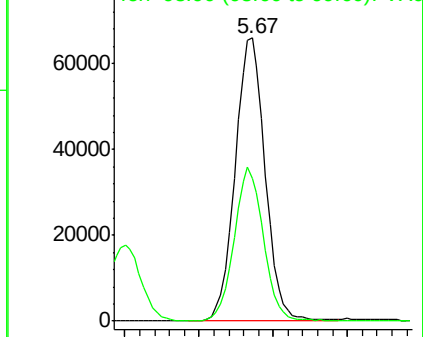
MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 13.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002160.D

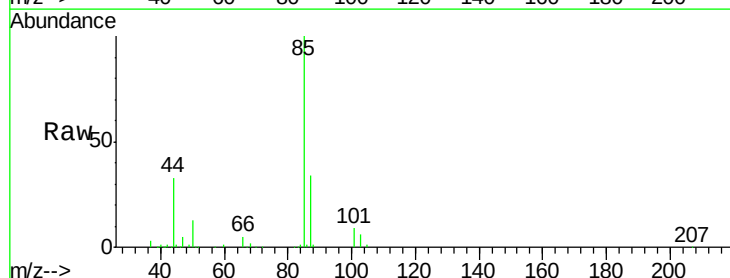
Acq: 31 May 2018 02:37

Tgt Ion: 85 Resp: 33918

Ion Ratio Lower Upper

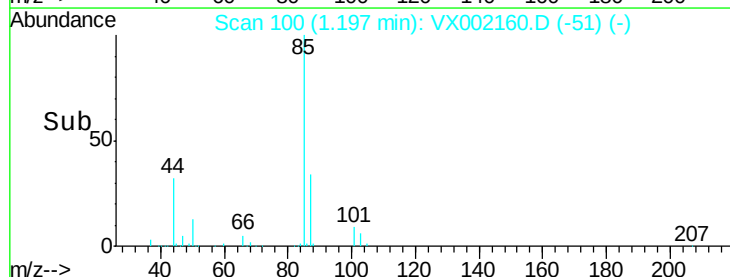
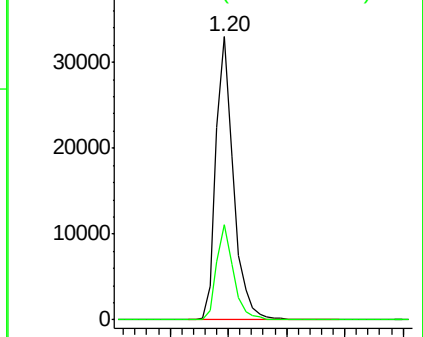
85 100

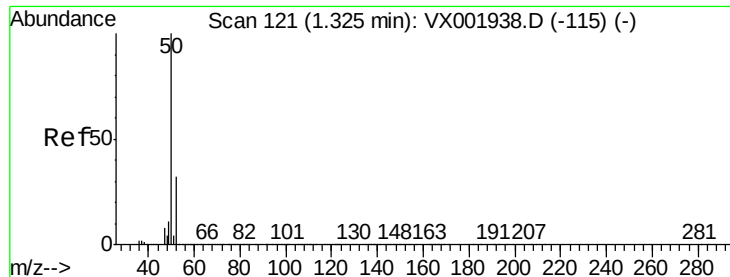
87 33.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.29 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 50 Resp: 61205

Ion Ratio Lower Upper

50 100

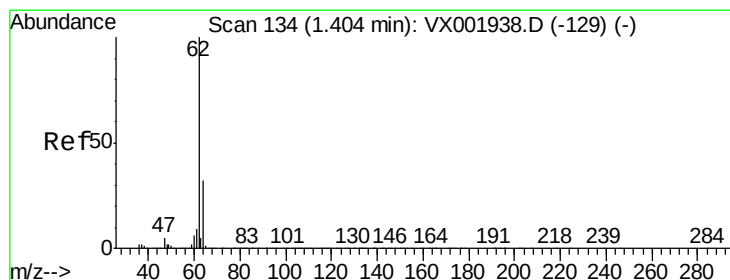
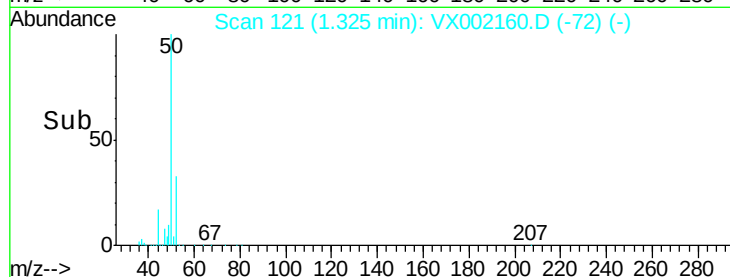
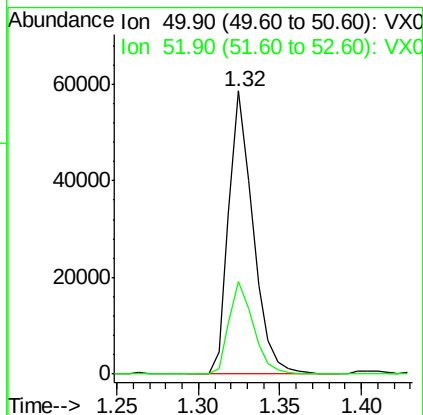
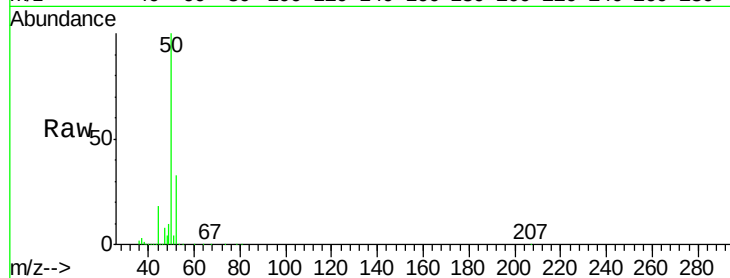
52 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#4

Vinyl Chloride

Concen: 19.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002160.D

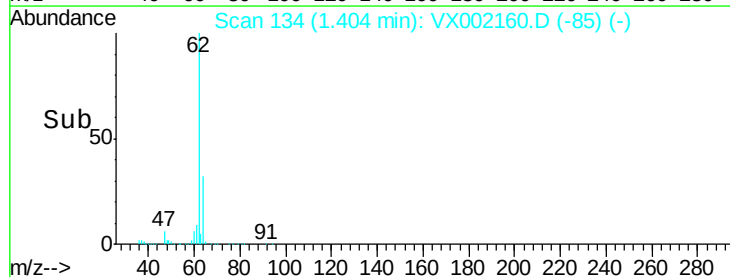
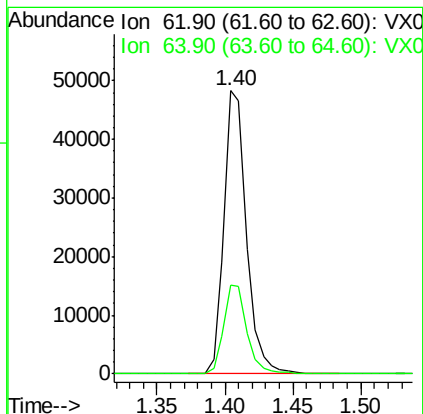
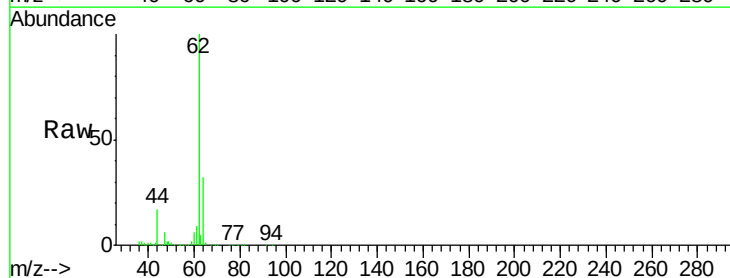
Acq: 31 May 2018 02:37

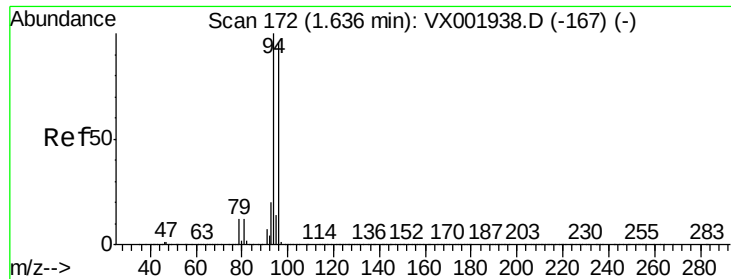
Tgt Ion: 62 Resp: 55476

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 27.54 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 94 Resp: 35745

Ion Ratio Lower Upper

94 100

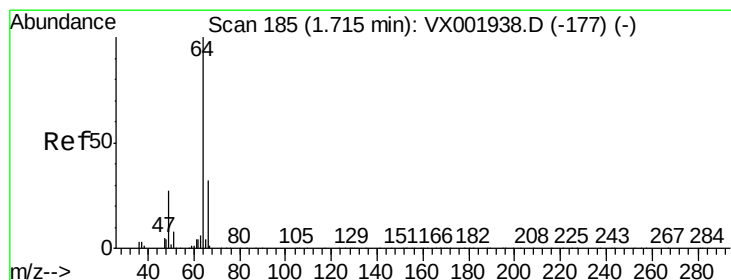
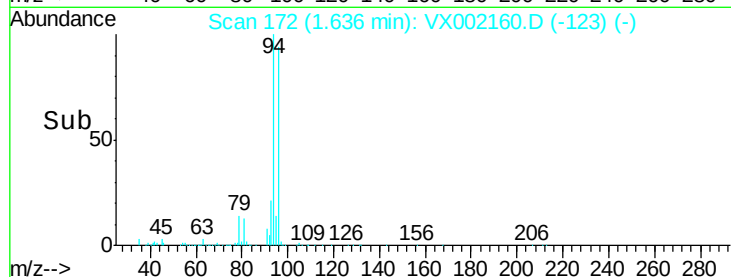
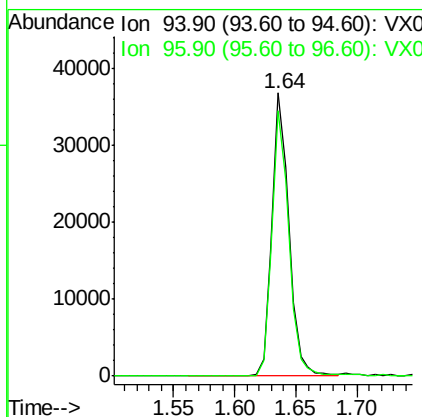
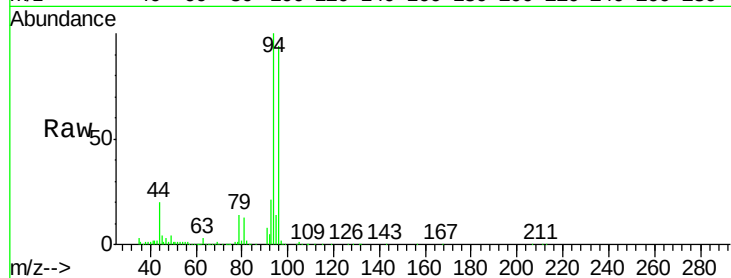
96 93.6 75.9 113.9

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#6

Chloroethane

Concen: 24.96 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002160.D

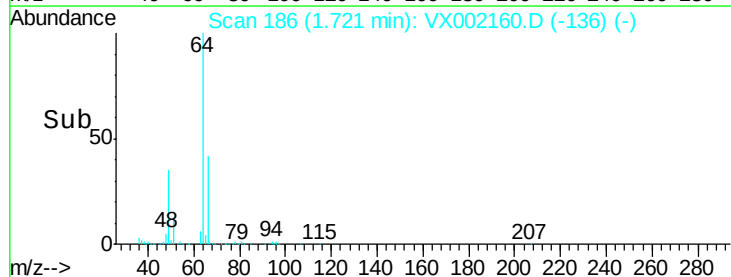
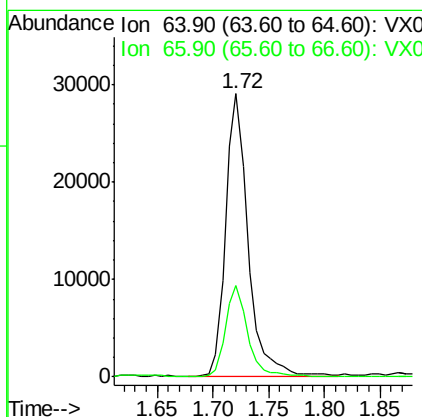
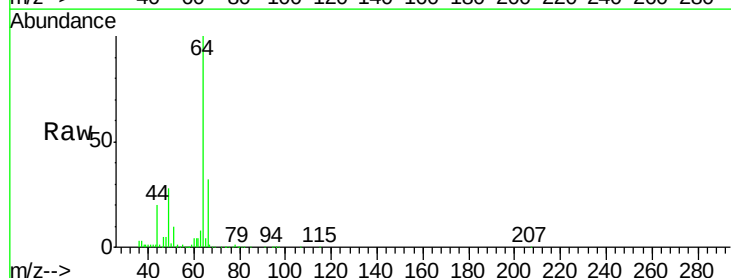
Acq: 31 May 2018 02:37

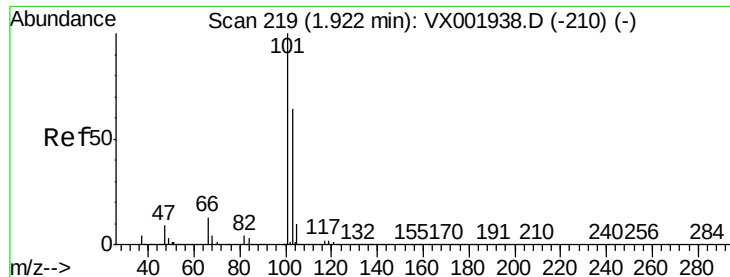
Tgt Ion: 64 Resp: 40855

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

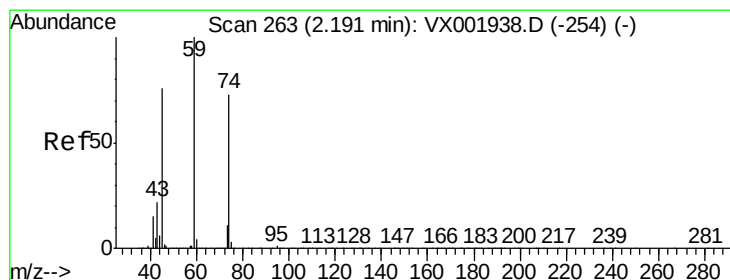
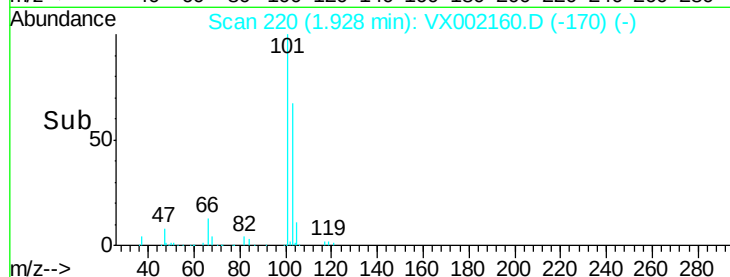
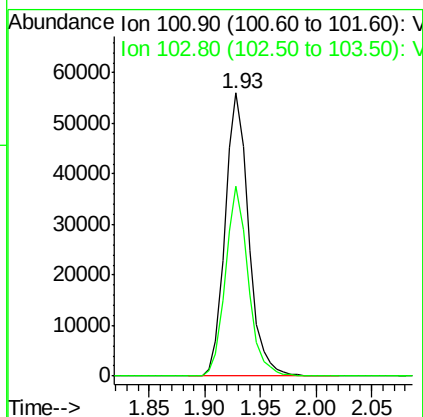
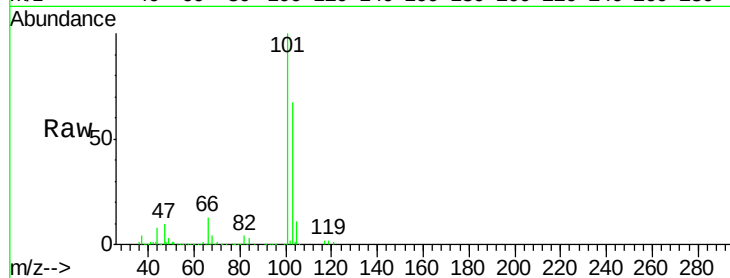
Trichlorofluoromethane
 Concen: 19.67 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.4	77.0

Manual Integrations
 APPROVED

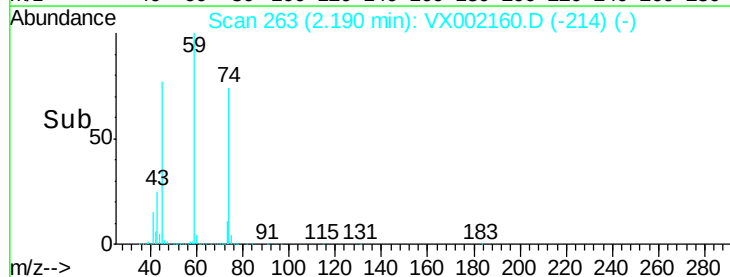
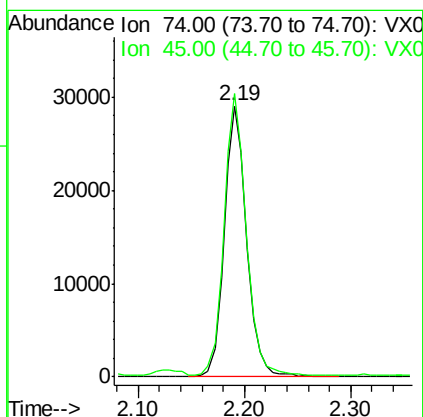
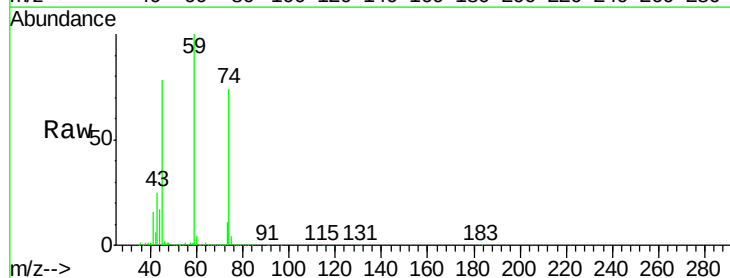
MMDadoda
 5/31/2018 3:07:49 PM

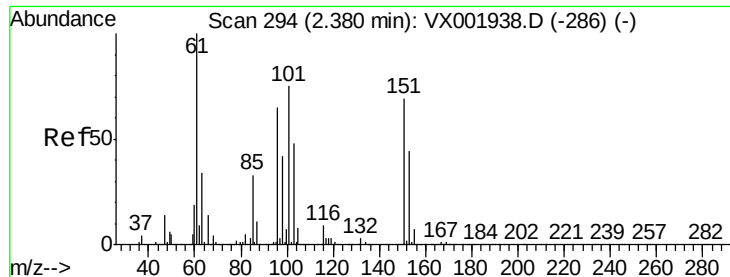


#8

Diethyl Ether
 Concen: 27.99 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.91 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

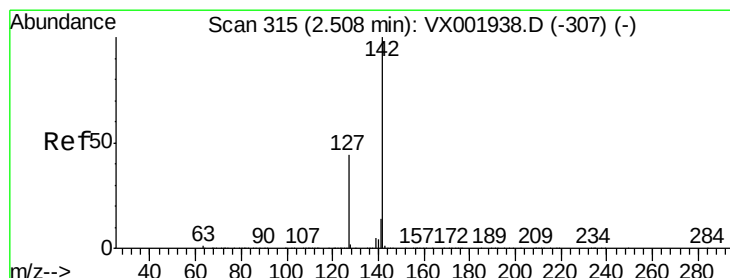
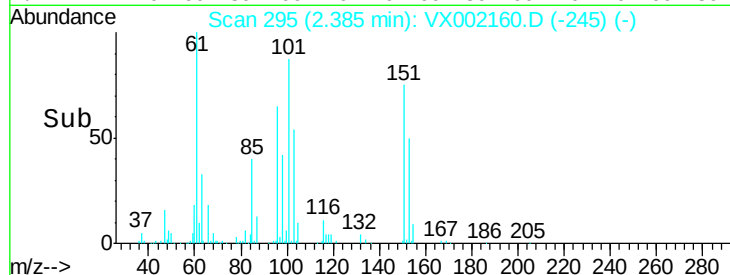
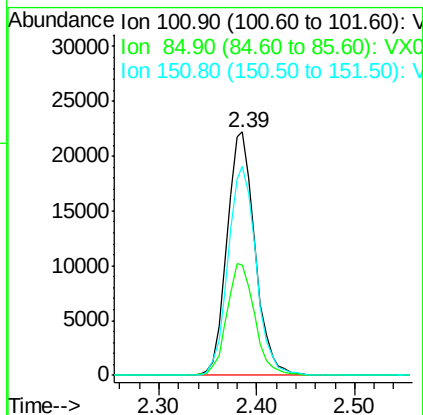
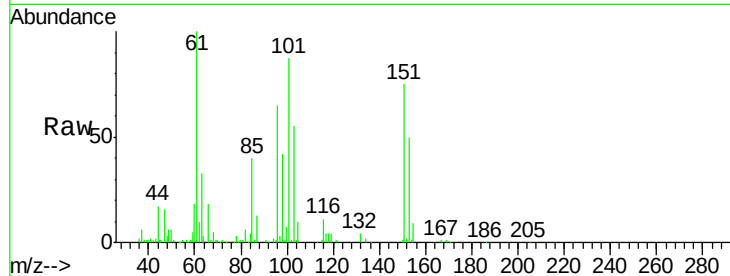
ClientSampleId :

VX0530WBS03

Tot Ion:	101	Resp:	44004
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.6	53.4
151	85.9	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#10

Methyl Iodide

Concen: 17.40 ug/l

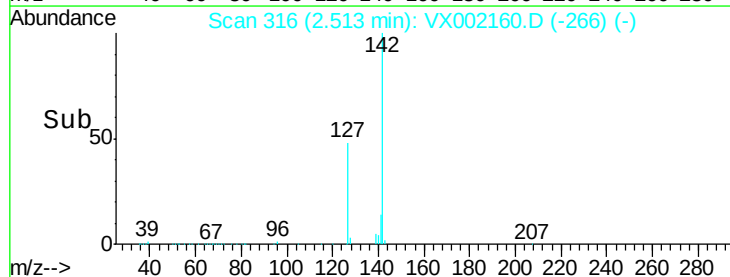
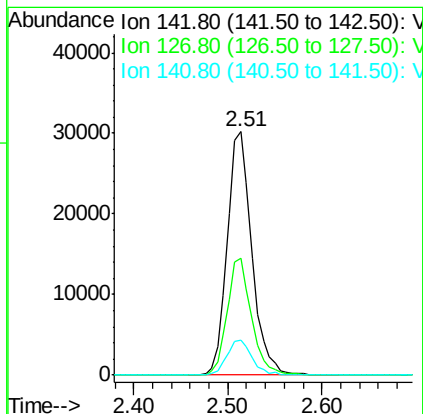
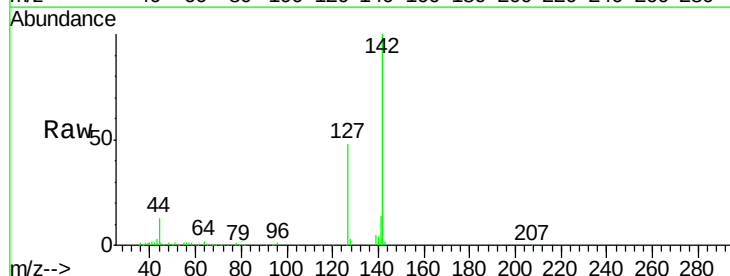
RT: 2.51 min Scan# 316

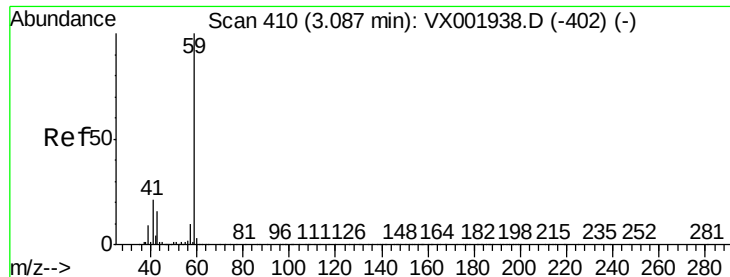
Delta R.T. 0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	142	Resp:	54779
Ion Ratio	Lower	Upper	
142	100		
127	47.1	35.5	53.3
141	14.9	11.3	16.9





#11

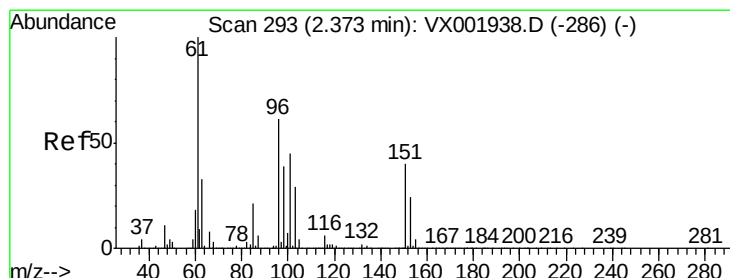
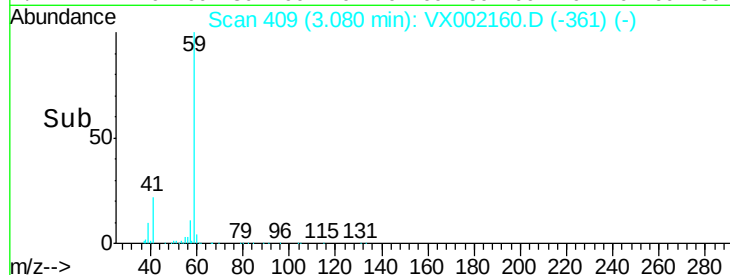
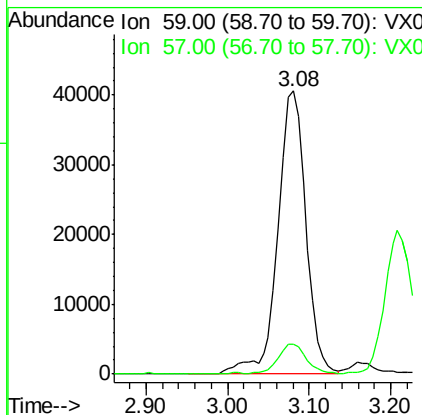
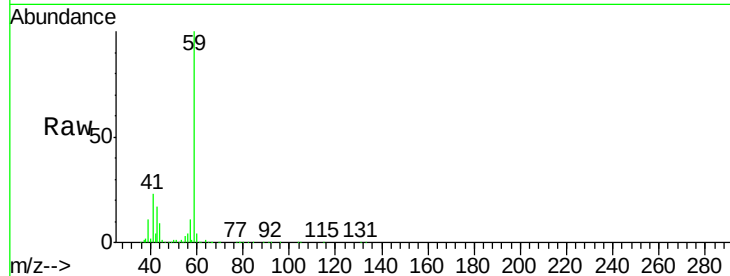
Tert butyl alcohol
Concen: 148.02 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampled :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.9	13.3

Manual Integrations
APPROVED

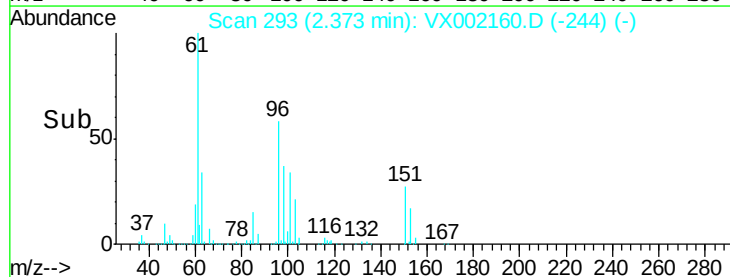
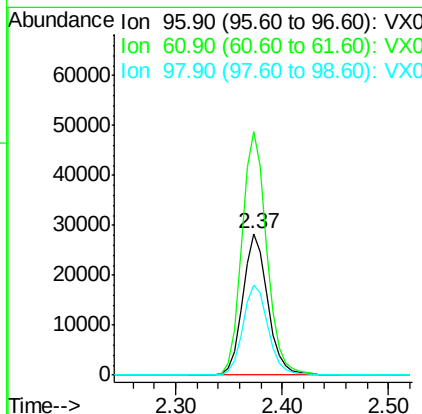
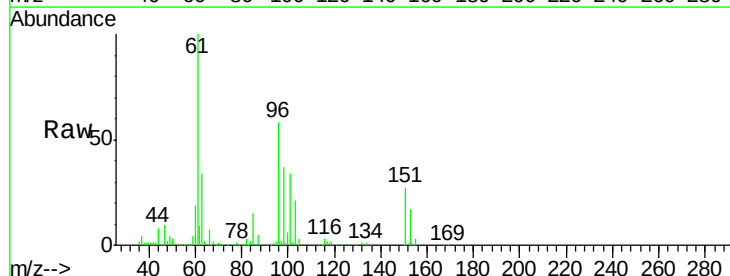
MMDadoda
5/31/2018 3:07:49 PM

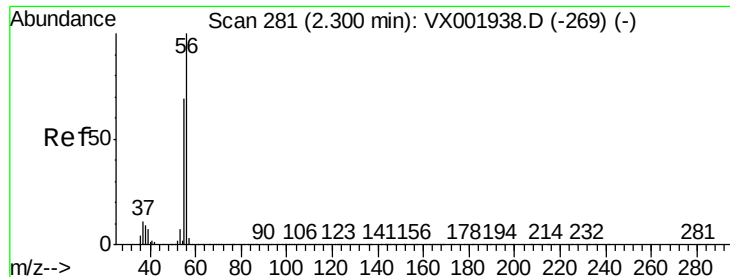


#12

1,1-Dichloroethene
Concen: 21.48 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	131.7	197.5
98	63.5	51.6	77.4





#13

Acrolein

Concen: 91.07 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 56 Resp: 25820

Ion Ratio Lower Upper

56 100

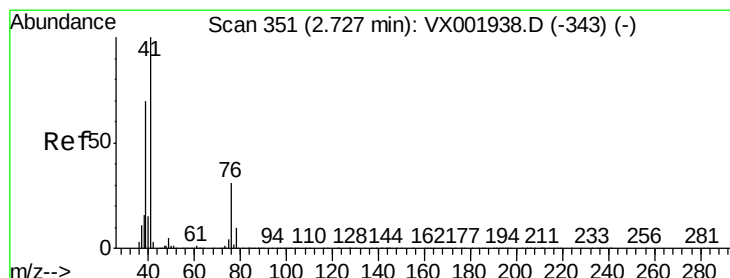
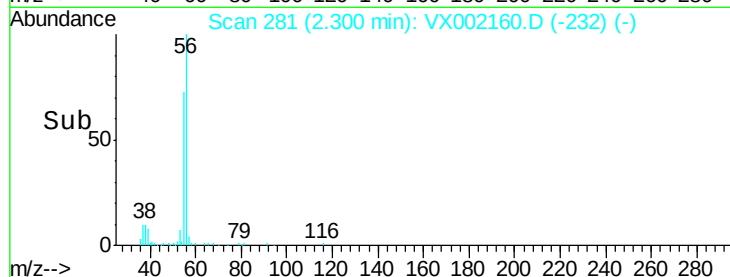
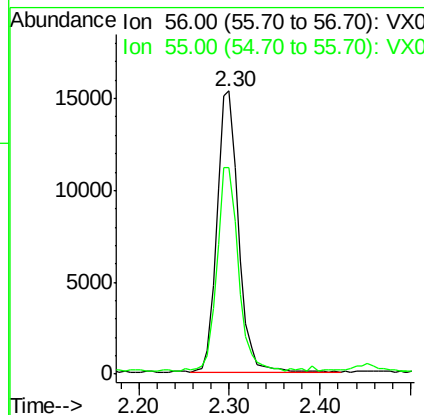
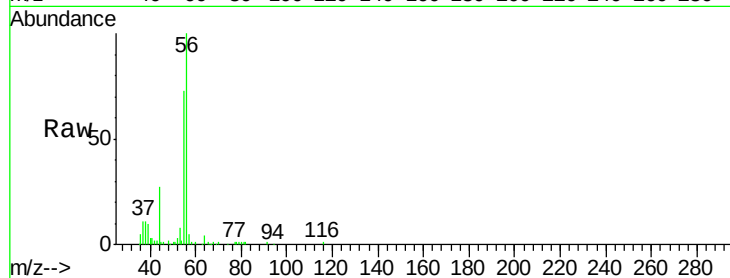
55 71.1 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#14

Allyl chloride

Concen: 24.22 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

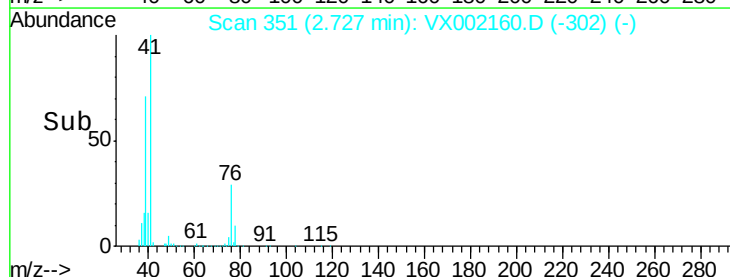
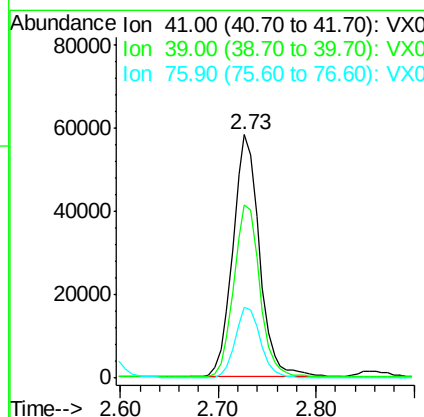
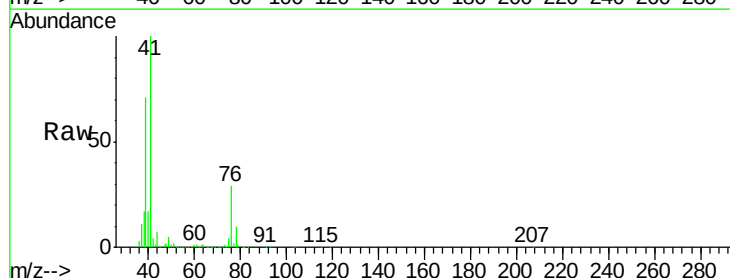
Tgt Ion: 41 Resp: 110755

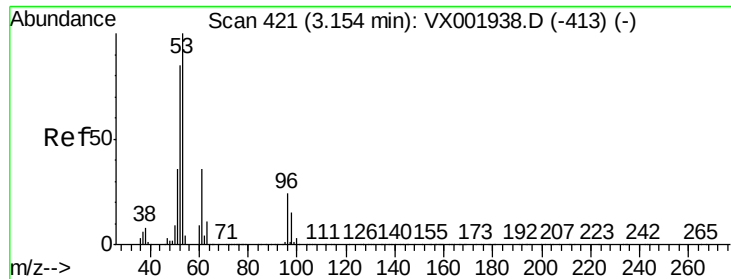
Ion Ratio Lower Upper

41 100

39 68.9 54.3 81.5

76 28.2 24.2 36.4





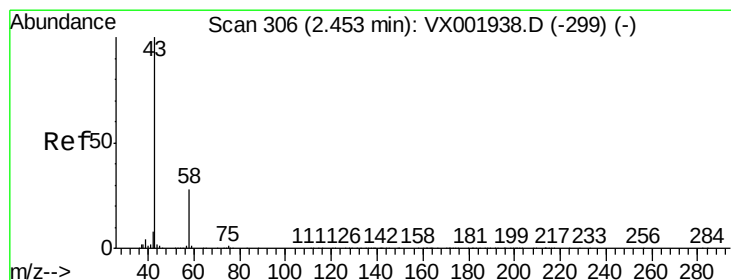
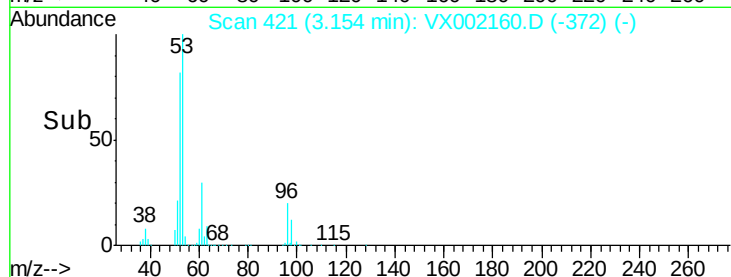
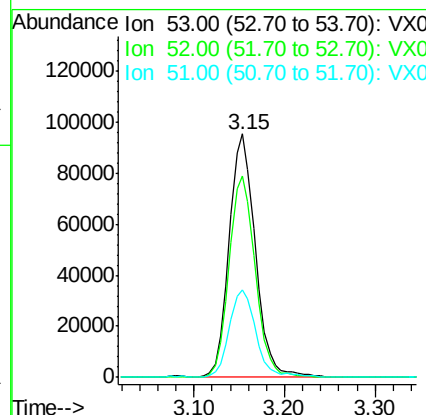
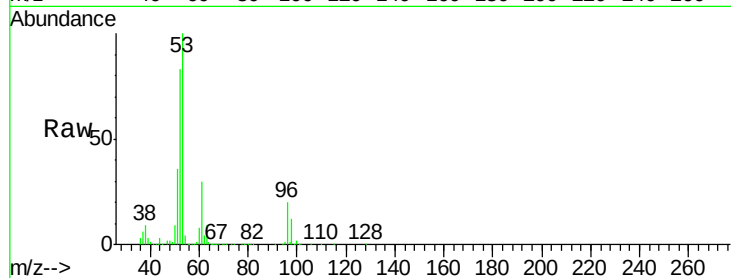
#15
 Acrylonitrile
 Concen: 141.08 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		190237		
52	83.0	66.4	99.6		
51	36.5	29.3	43.9		

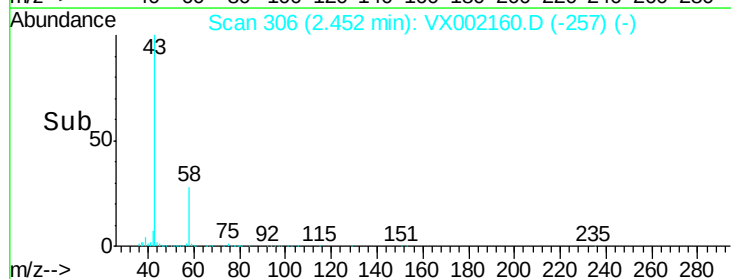
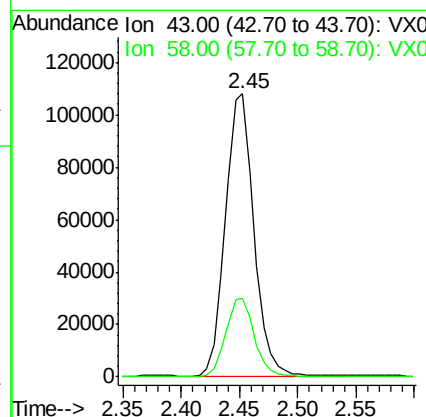
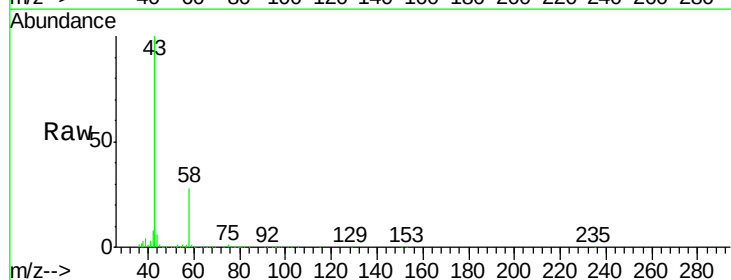
Manual Integrations
 APPROVED

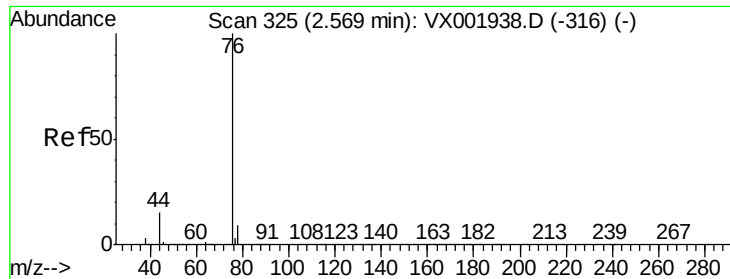
MMDadoda
 5/31/2018 3:07:49 PM



#16
 Acetone
 Concen: 141.10 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		181910		
58	28.0	22.3	33.5		





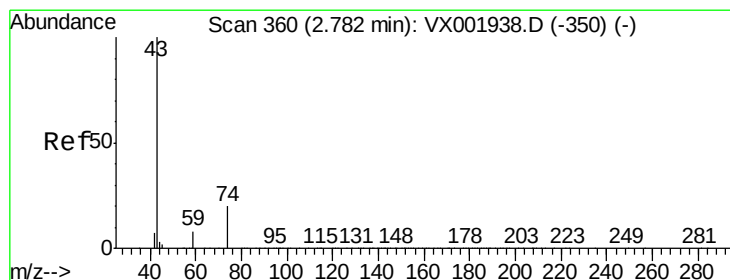
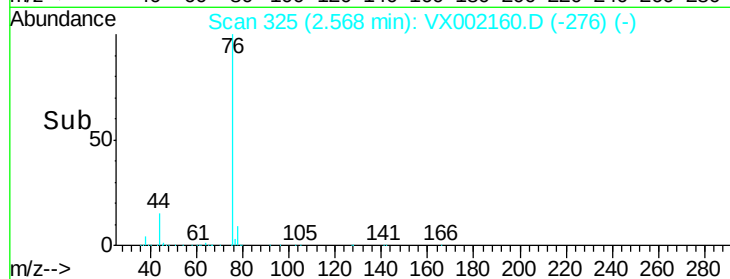
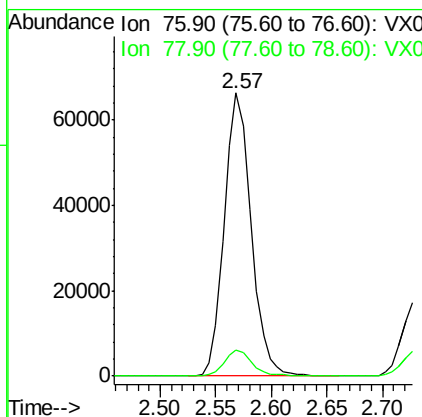
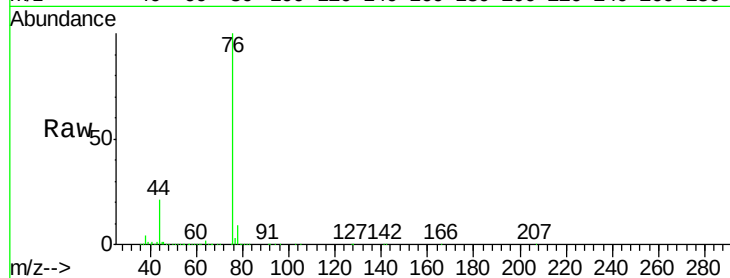
#17
Carbon Disulfide
Concen: 17.77 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

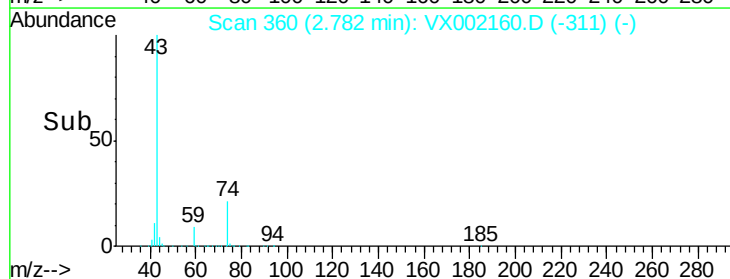
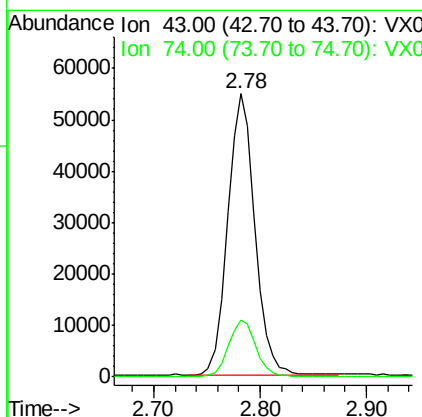
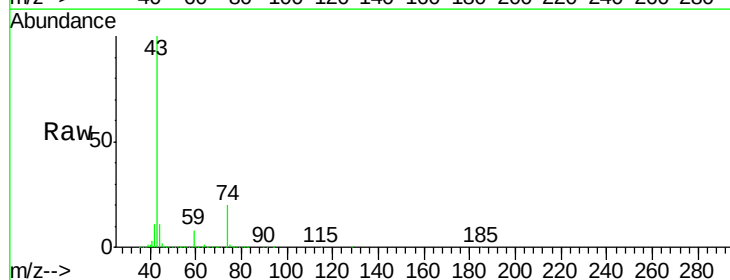
Manual Integrations
APPROVED

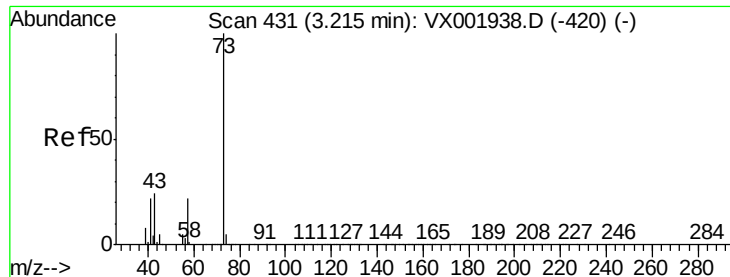
MMDadoda
5/31/2018 3:07:49 PM



#18
Methyl Acetate
Concen: 31.00 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.8	25.2





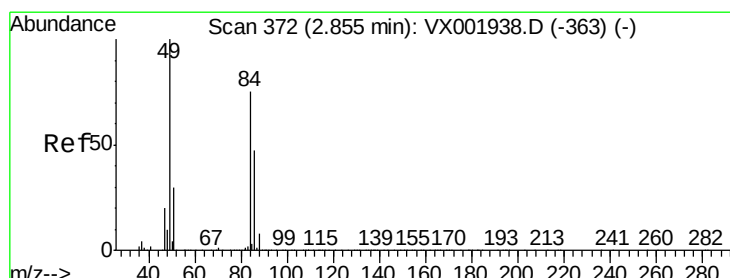
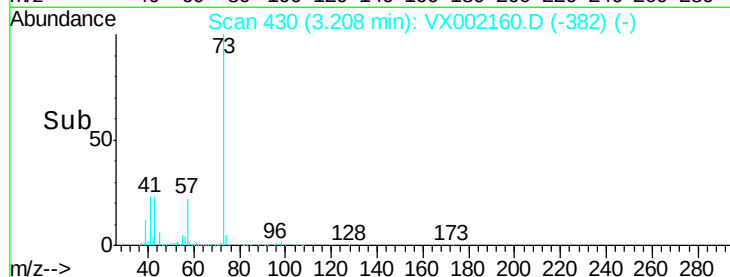
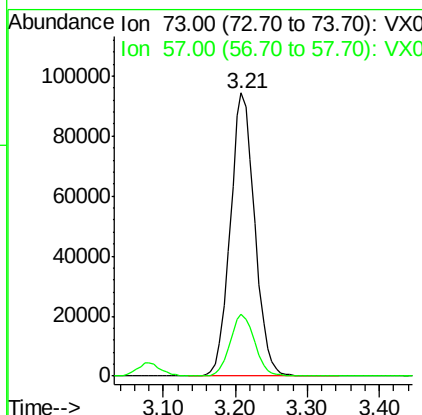
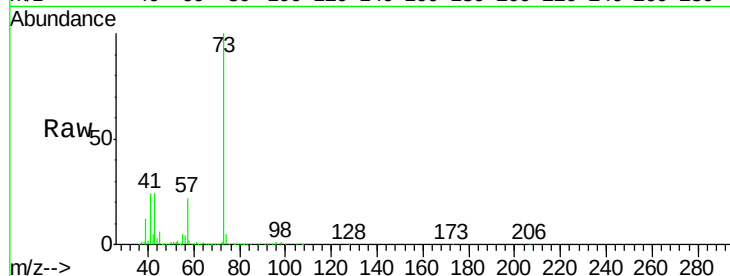
#19
Methyl tert-butyl Ether
Concen: 27.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion: 73 Resp: 222025
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

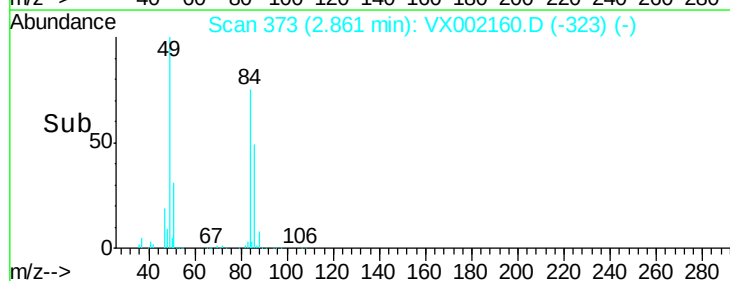
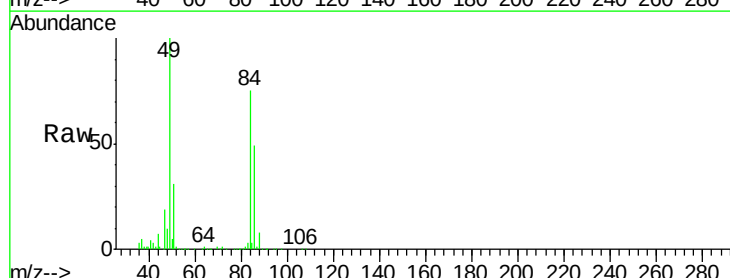
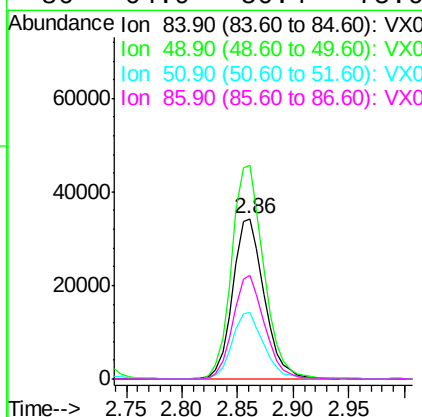
Manual Integrations
APPROVED

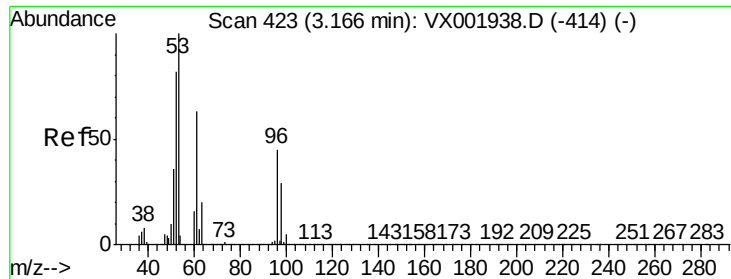
MMDadoda
5/31/2018 3:07:49 PM



#20
Methylene Chloride
Concen: 29.49 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion: 84 Resp: 67352
Ion Ratio Lower Upper
84 100
49 133.3 107.2 160.8
51 41.4 32.4 48.6
86 64.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 24.88 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

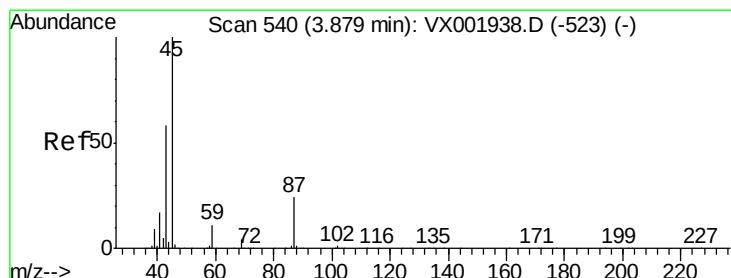
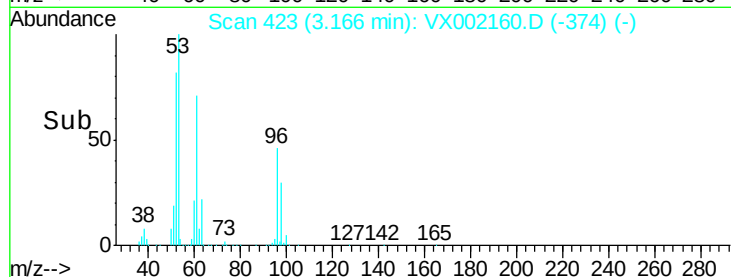
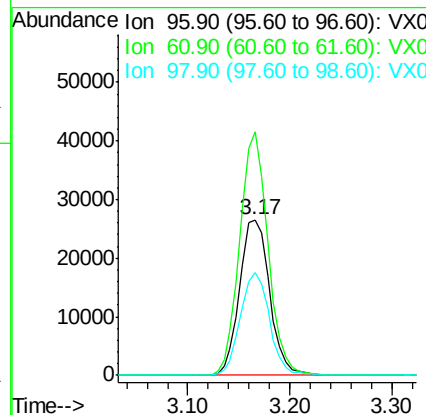
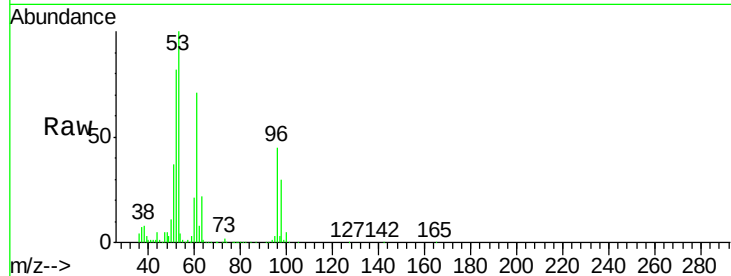
ClientSampleId :

VX0530WBS03

Tot Ion:	96	Resp:	54435
Ion	Ratio	Lower	Upper
96	100		
61	156.0	113.3	169.9
98	66.3	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#22

Diisopropyl ether

Concen: 22.64 ug/l

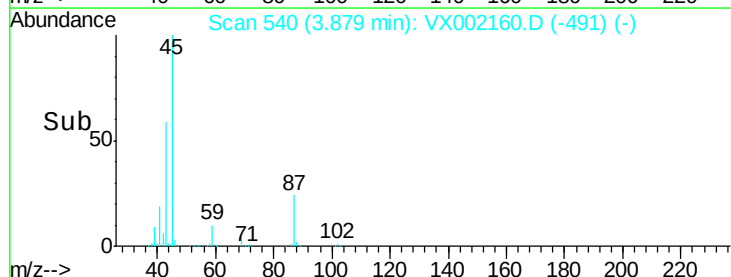
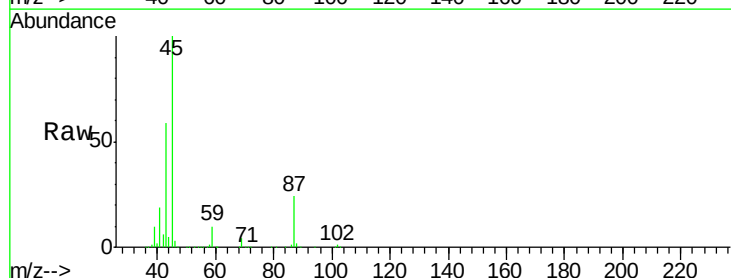
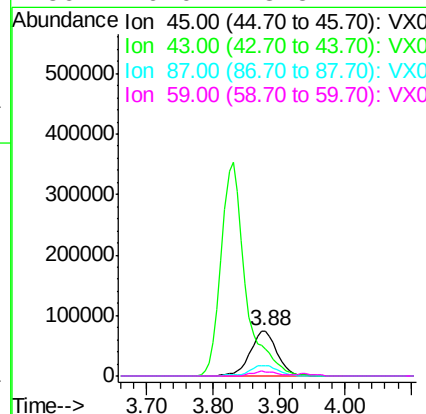
RT: 3.88 min Scan# 540

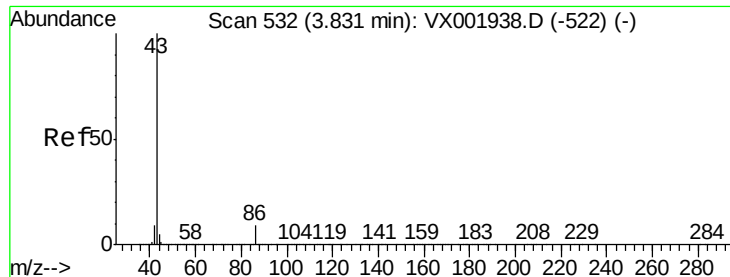
Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	45	Resp:	210605
Ion	Ratio	Lower	Upper
45	100		
43	59.0	47.0	70.6
87	23.9	19.4	29.0
59	10.0	8.5	12.7





#23

Vinyl Acetate

Concen: 117.50 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 43 Resp: 906052

Ion Ratio Lower Upper

43 100

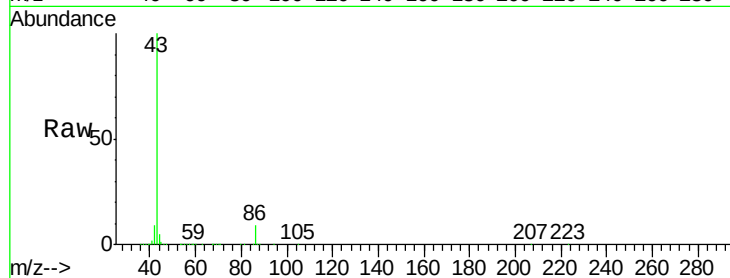
86 8.7 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

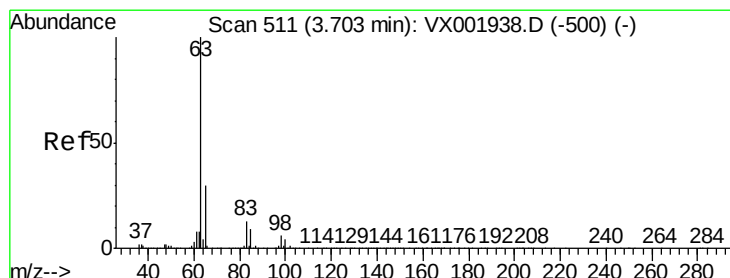
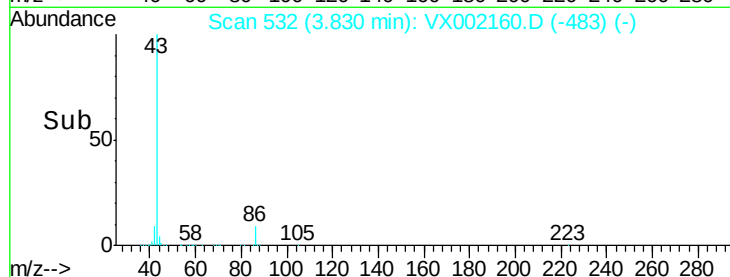
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.42 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

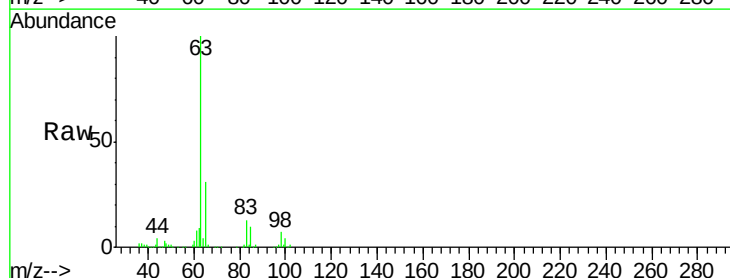
Tgt Ion: 63 Resp: 103461

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.0 2.1 6.5



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

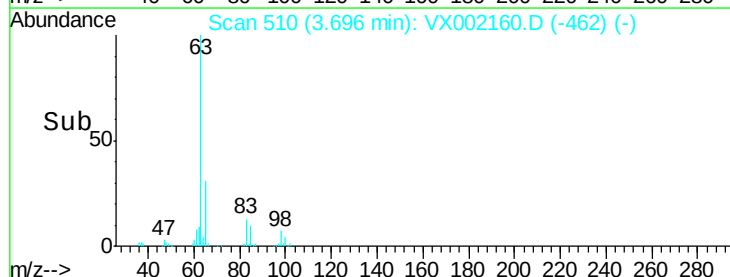
30000

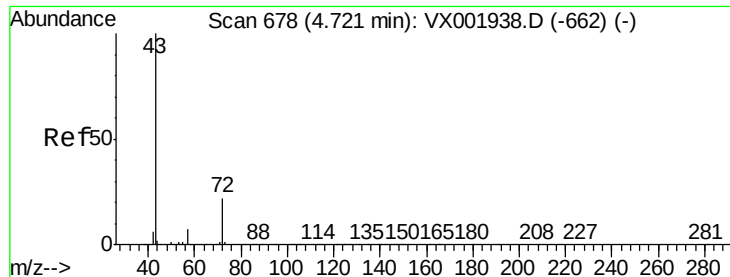
20000

10000

0

Time-->





#25

2-Butanone

Concen: 111.11 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tot Ion: 43 Resp: 262549

Ion Ratio Lower Upper

43 100

72 21.9 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

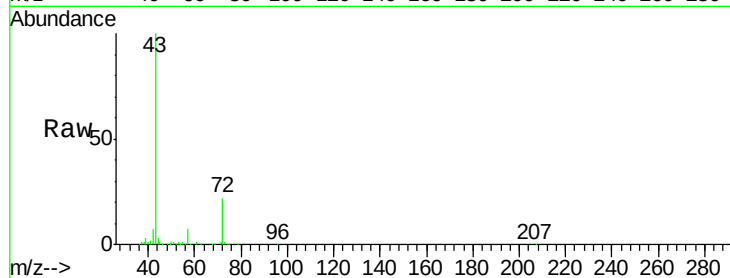
VX0530WBS03

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

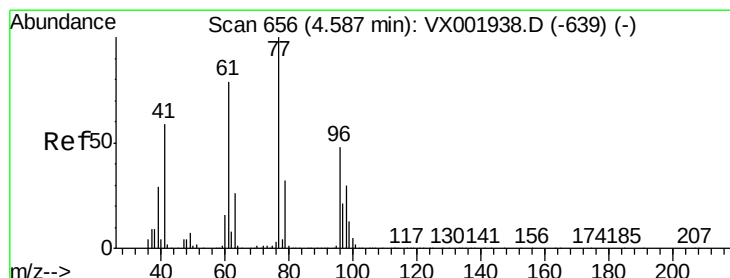
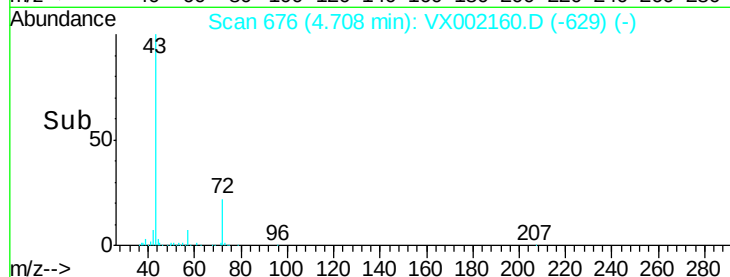
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 13.47 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002160.D

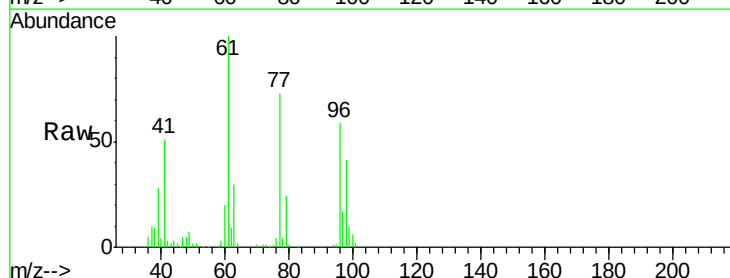
Acq: 31 May 2018 02:37

Tgt Ion: 77 Resp: 60256

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

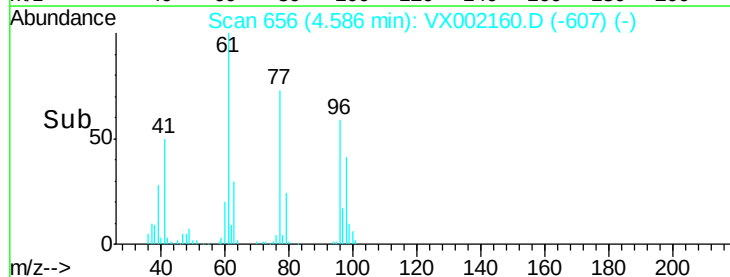
10000

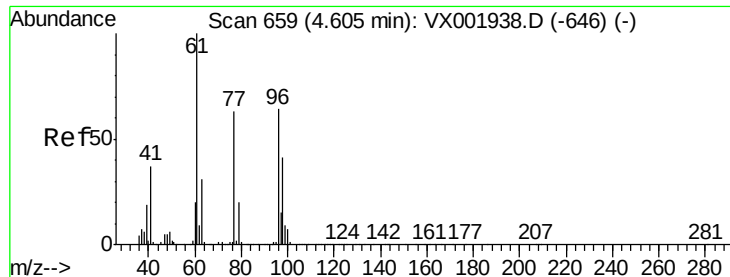
5000

0

4.50 4.60 4.70

Time-->





#27

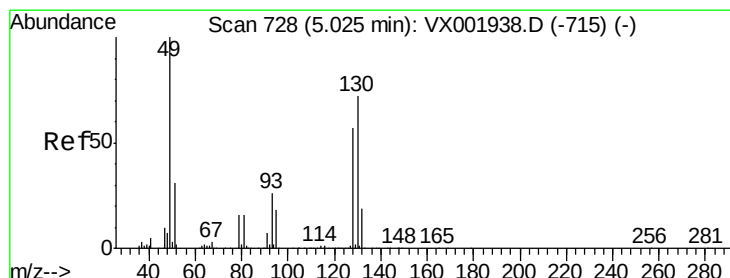
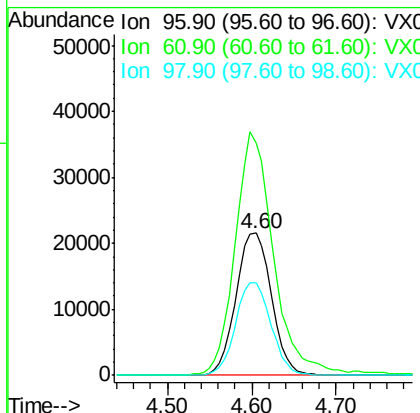
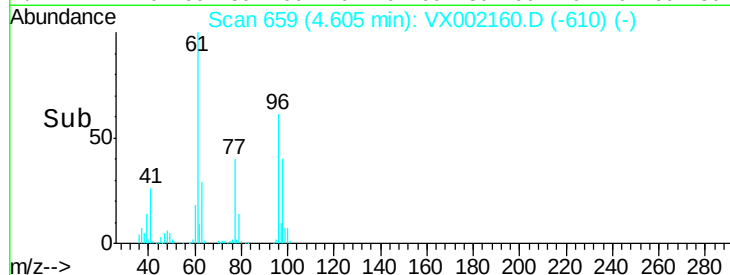
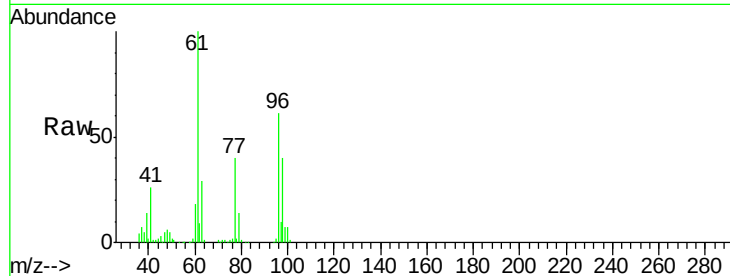
cis-1,2-Dichloroethene
Concen: 21.70 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.7	0.0	348.4
98	64.5	0.0	128.6

Manual Integrations
APPROVED

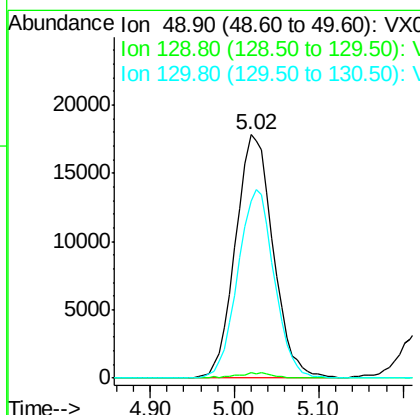
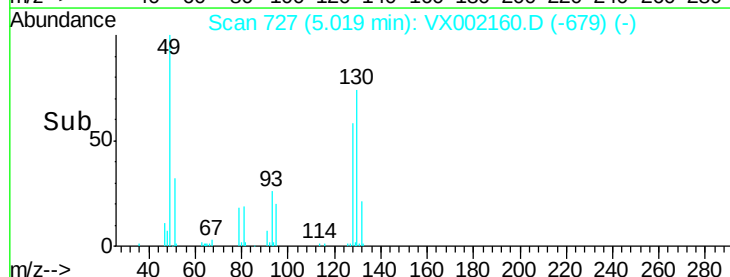
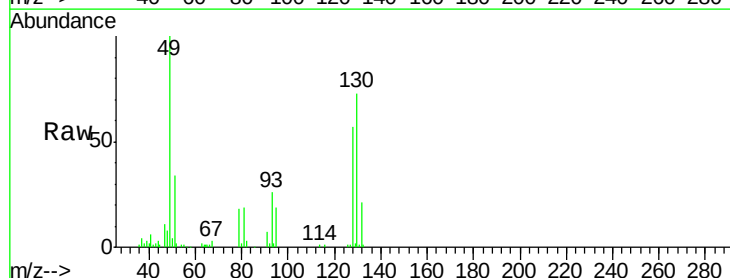
MMDadoda
5/31/2018 3:07:49 PM

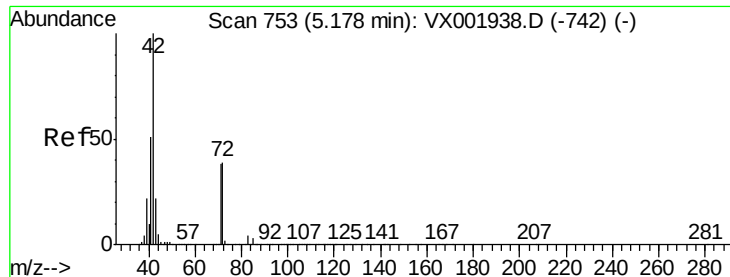


#28

Bromochloromethane
Concen: 28.24 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	74.8	59.4	89.2





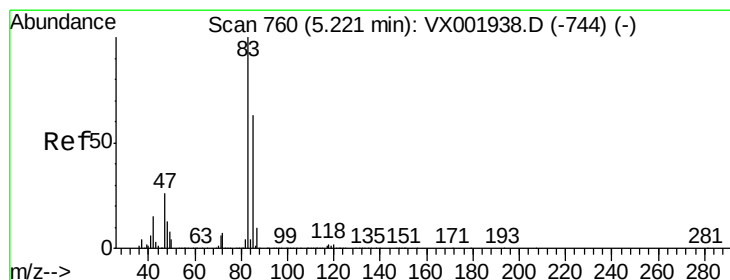
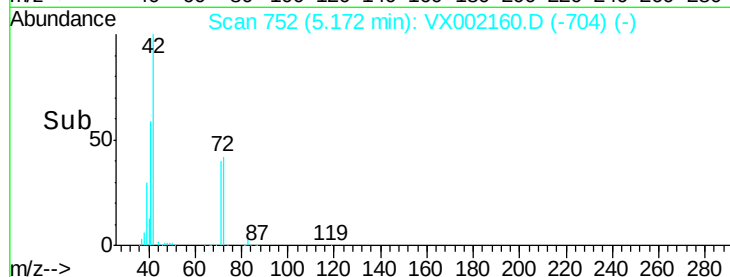
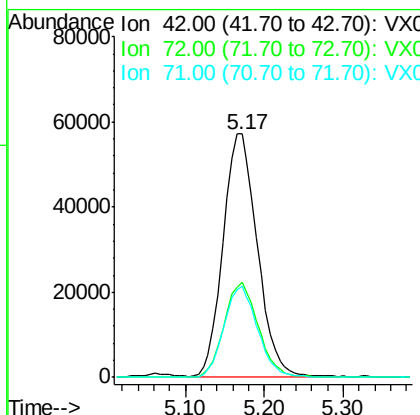
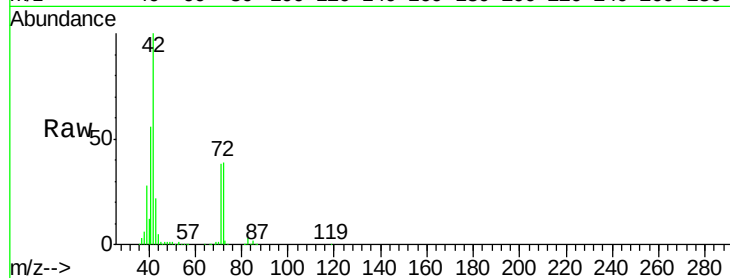
#29
Tetrahydrofuran
Concen: 112.18 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	36.8	29.5	44.3

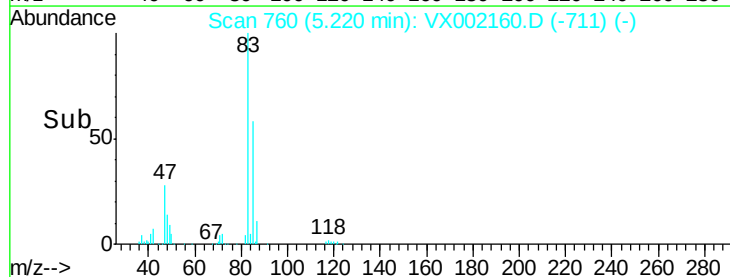
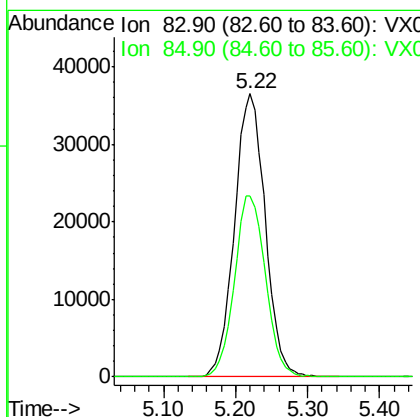
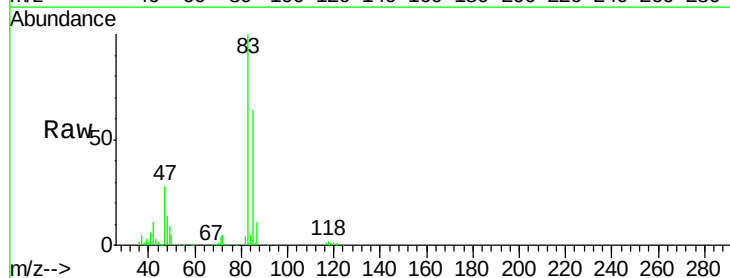
Manual Integrations
APPROVED

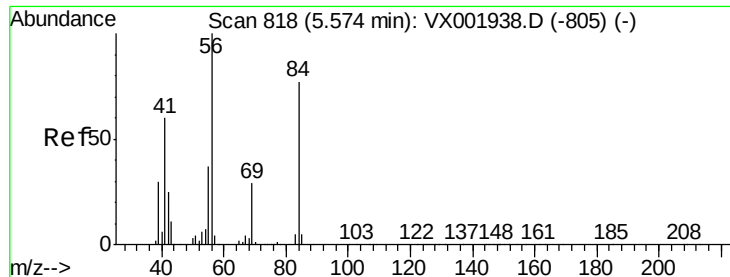
MMDadoda
5/31/2018 3:07:49 PM



#30
Chloroform
Concen: 21.72 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.9	76.3





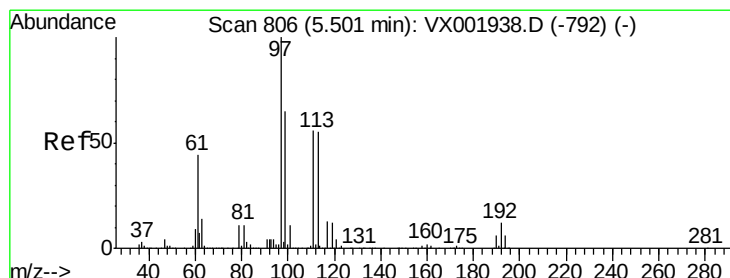
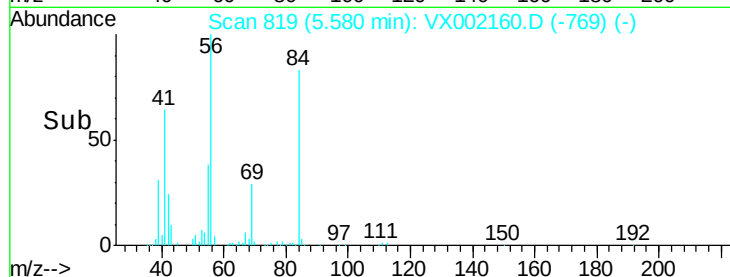
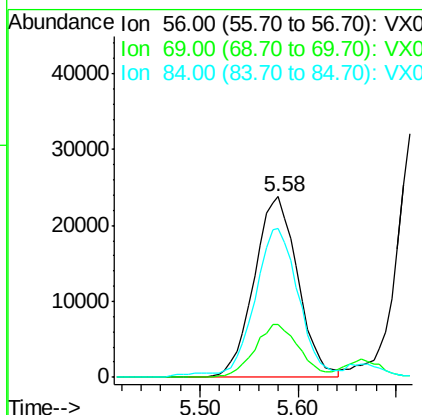
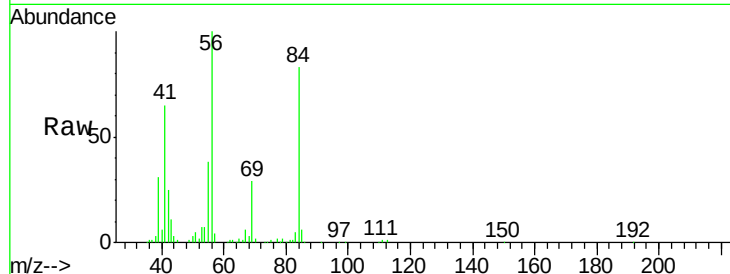
#31
Cyclohexane
Concen: 16.06 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.1	34.7
84	80.8	62.0	93.0

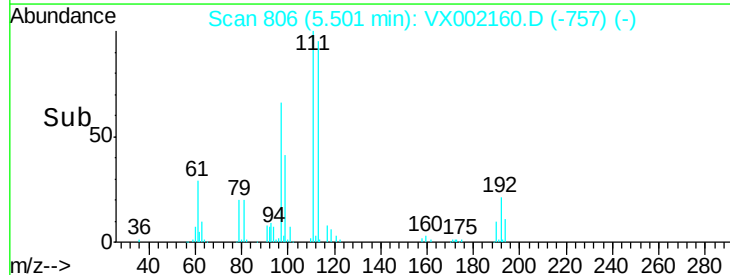
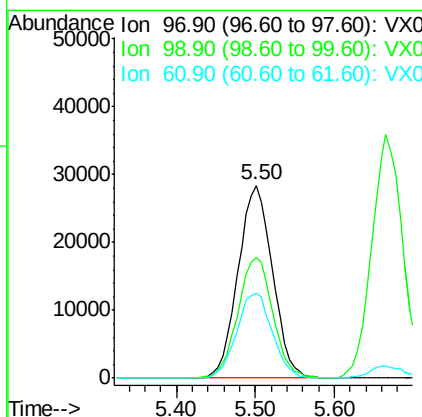
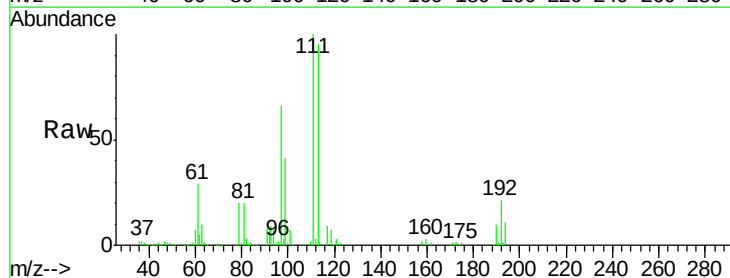
Manual Integrations
APPROVED

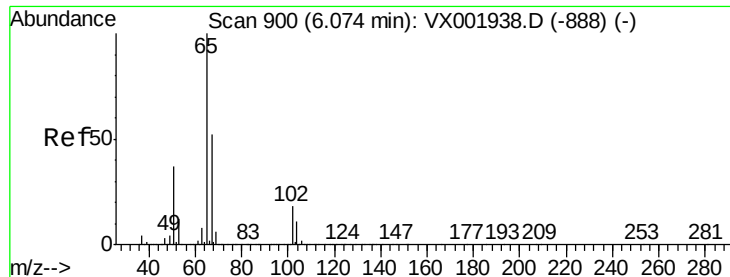
MMDadoda
5/31/2018 3:07:49 PM



#32
1,1,1-Trichloroethane
Concen: 18.57 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	45.6	35.9	53.9





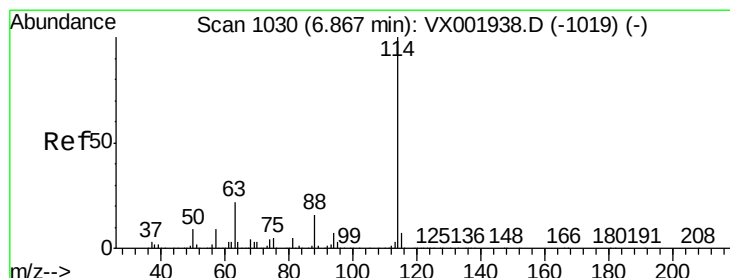
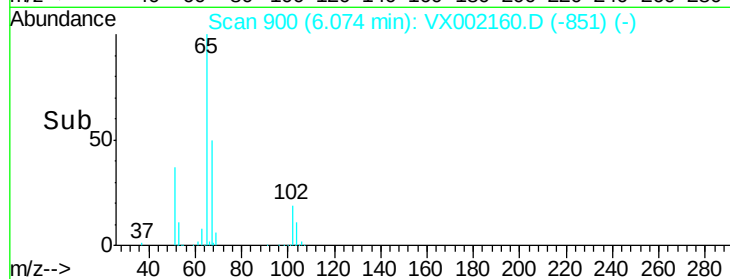
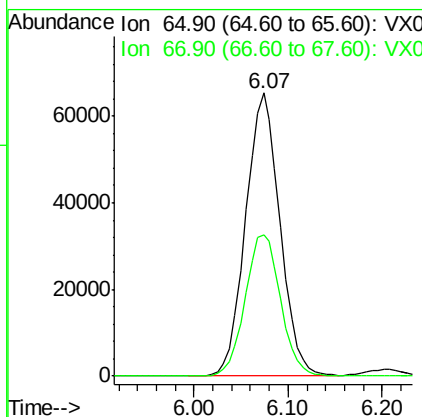
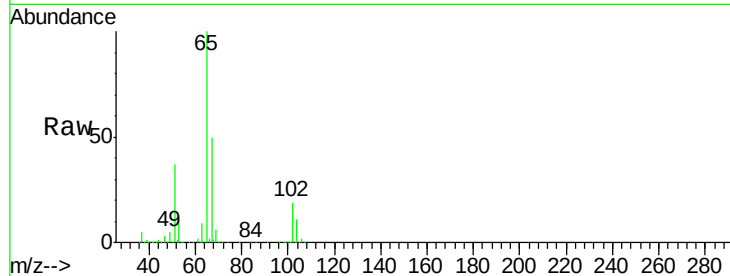
#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166680		
67	51.7	0.0	0.0	104.0

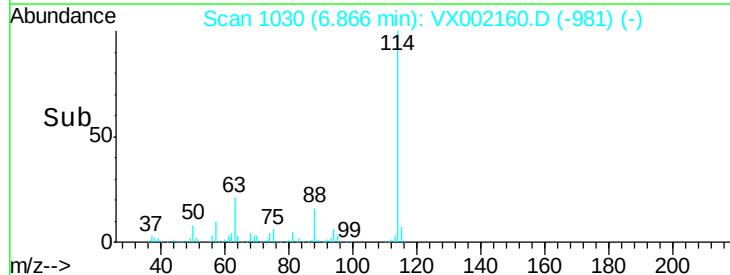
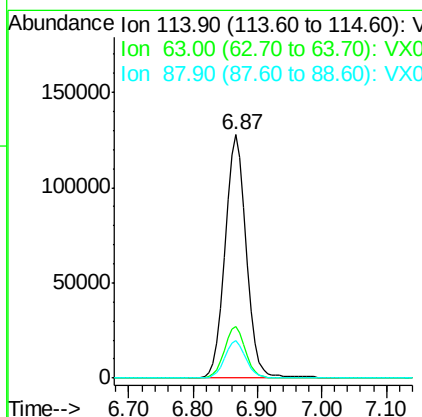
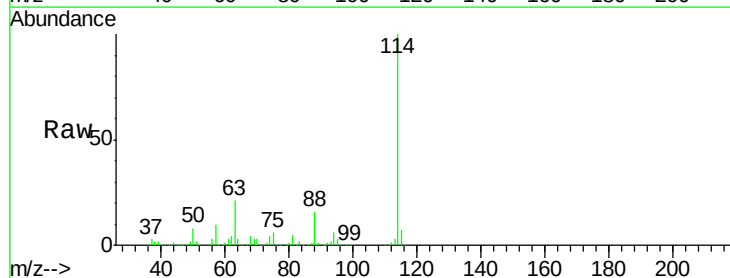
Manual Integrations
 APPROVED

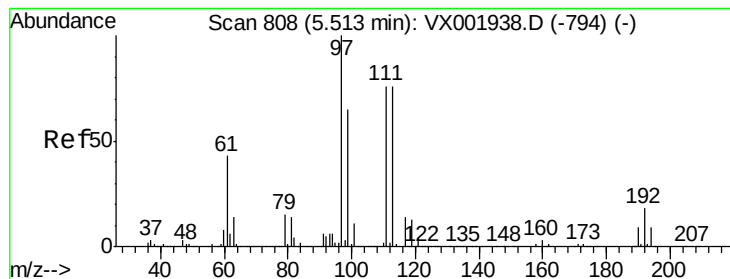
MMDadoda
 5/31/2018 3:07:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299006		
63	21.5	0.0	0.0	43.2
88	15.6	0.0	0.0	31.6





#35

Dibromofluoromethane

Concen: 41.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

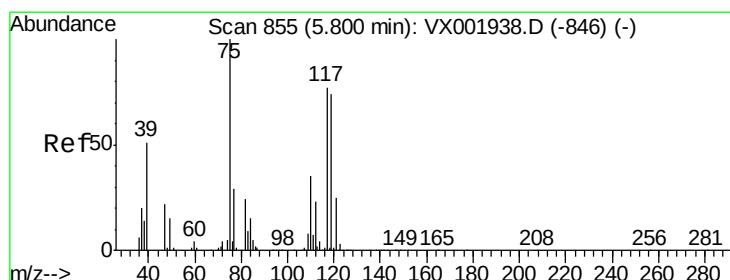
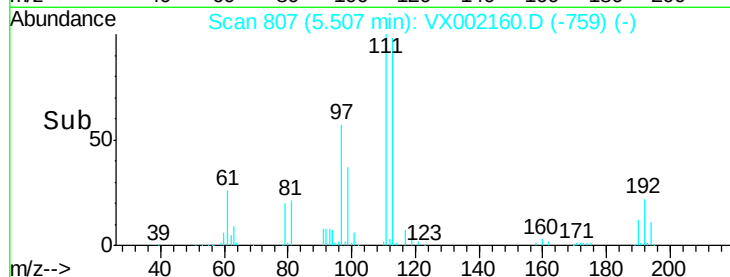
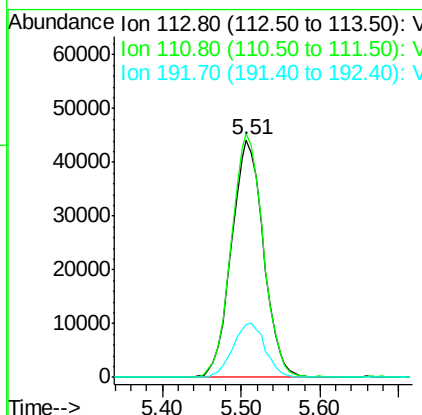
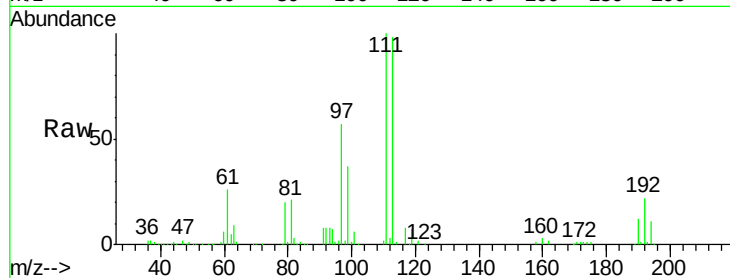
ClientSampleId :

VX0530WBS03

Tot Ion:	113	Resp:	124795
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.0	123.0
192	23.0	18.9	28.3

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#36

1,1-Dichloropropene

Concen: 16.15 ug/l

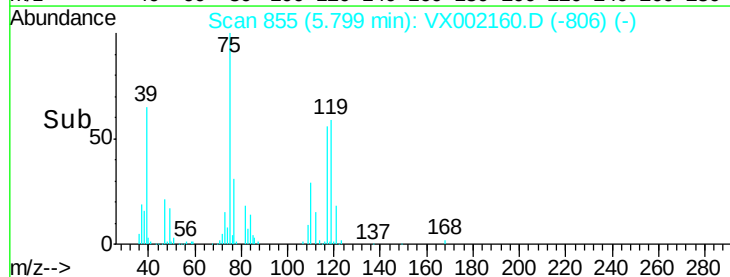
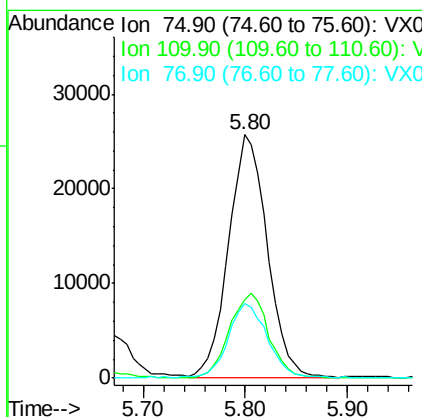
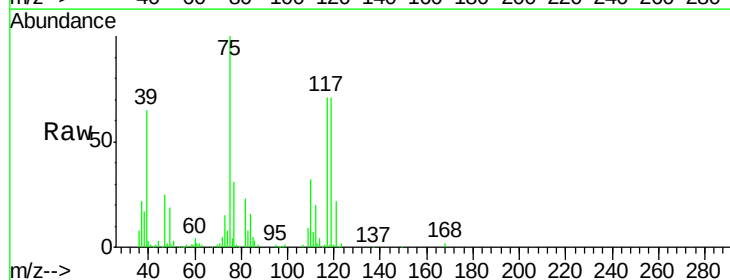
RT: 5.80 min Scan# 855

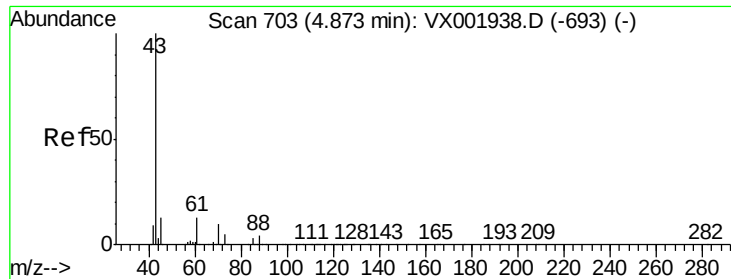
Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	75	Resp:	67163
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.4	52.2
77	31.0	24.4	36.6





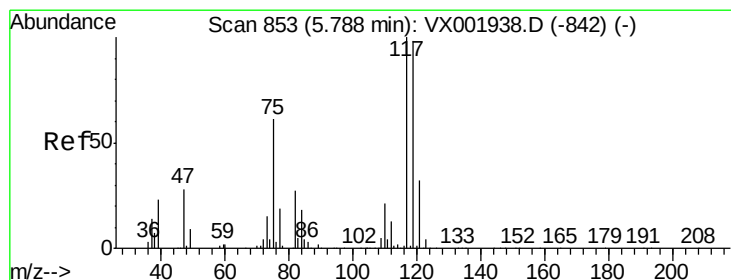
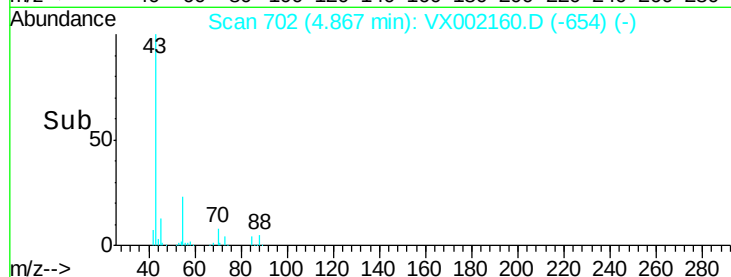
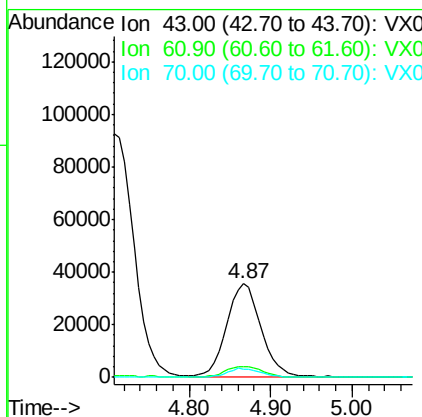
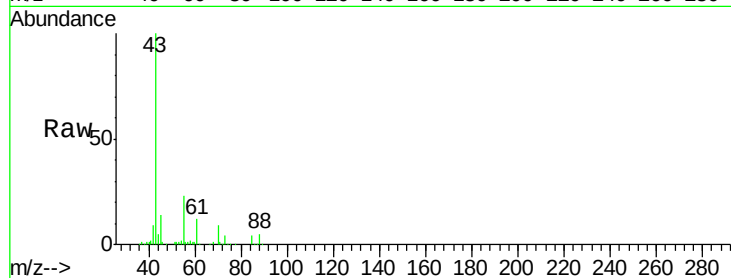
#37
Ethyl Acetate
Concen: 18.86 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.5	7.8	11.8

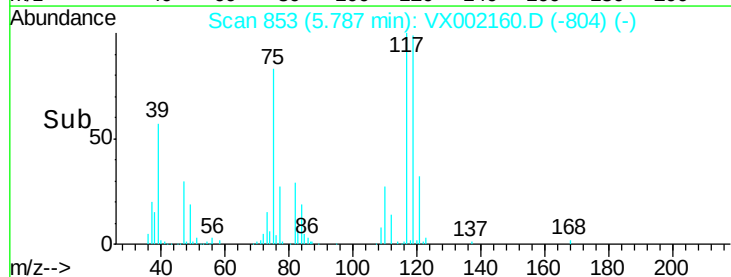
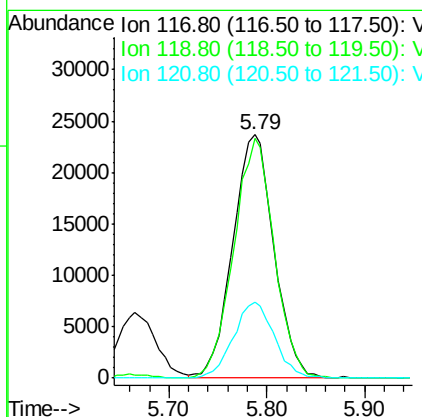
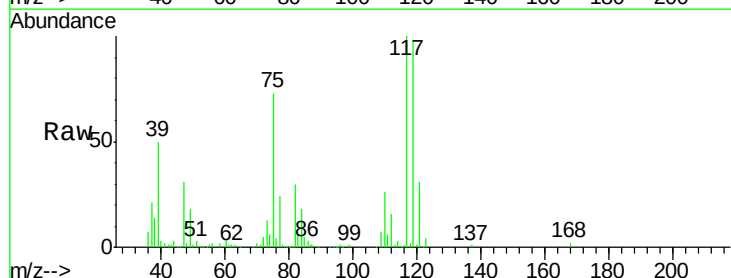
Manual Integrations
APPROVED

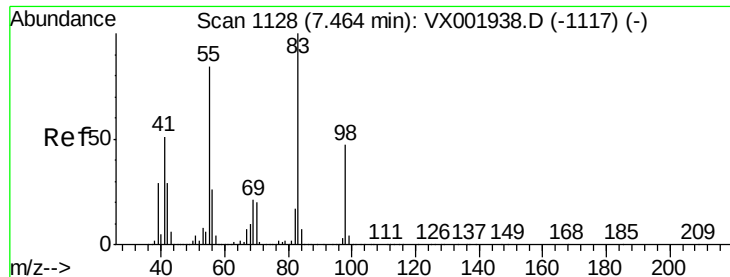
MMDadoda
5/31/2018 3:07:49 PM



#38
Carbon Tetrachloride
Concen: 14.19 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.5	117.7
121	31.5	25.5	38.3





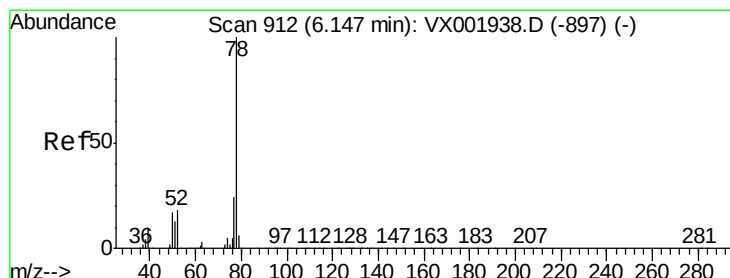
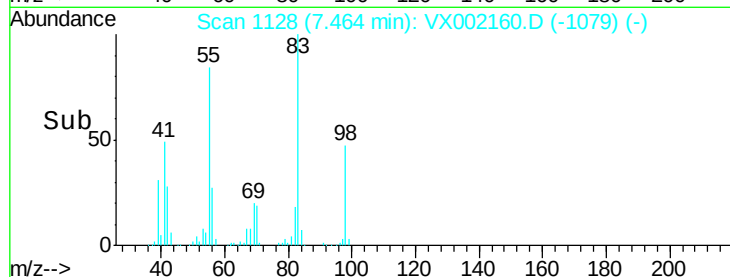
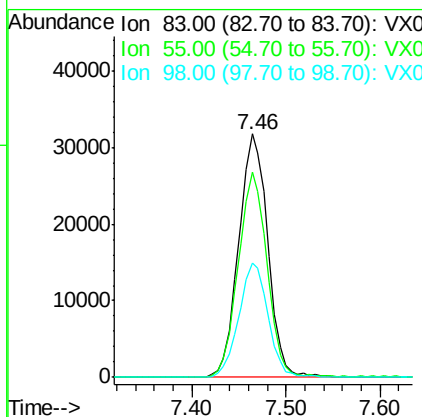
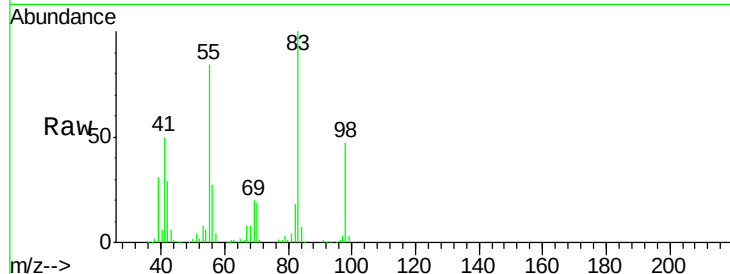
#39
Methylvlcyclohexane
Concen: 13.44 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.3	100.9
98	47.2	37.5	56.3

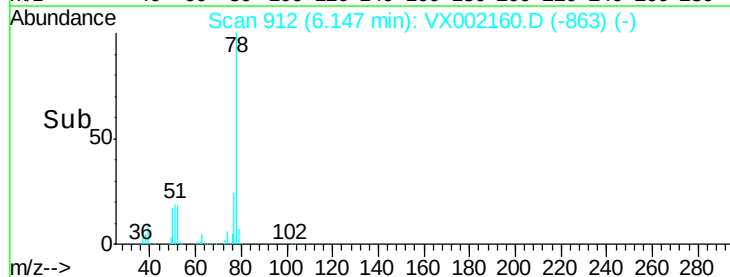
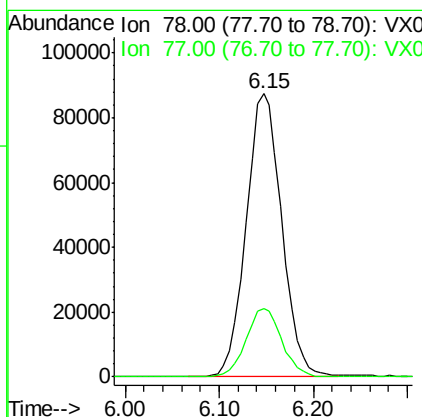
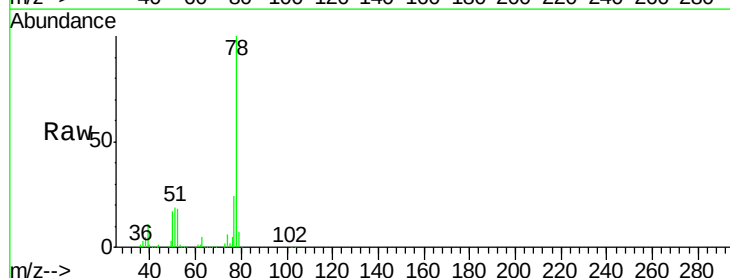
Manual Integrations
APPROVED

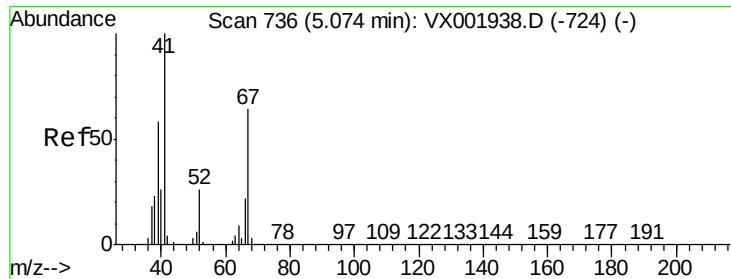
MMDadoda
5/31/2018 3:07:49 PM



#40
Benzene
Concen: 19.00 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7





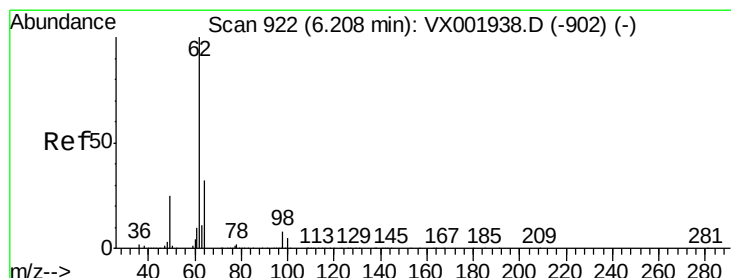
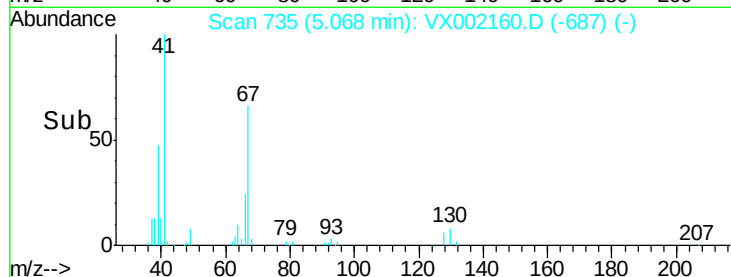
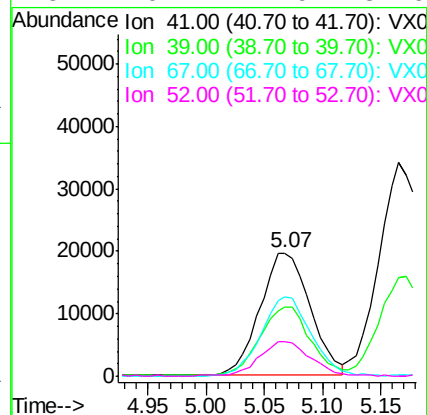
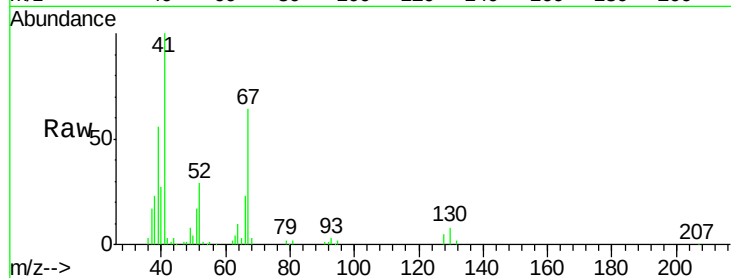
#41
Methacrylonitrile
Concen: 19.73 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	46.0	69.0	
67	64.3	50.6	75.8	
52	29.4	21.9	32.9	

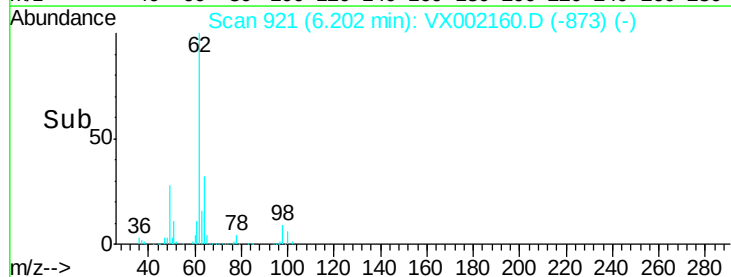
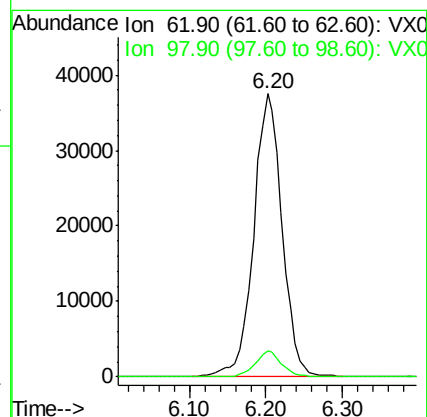
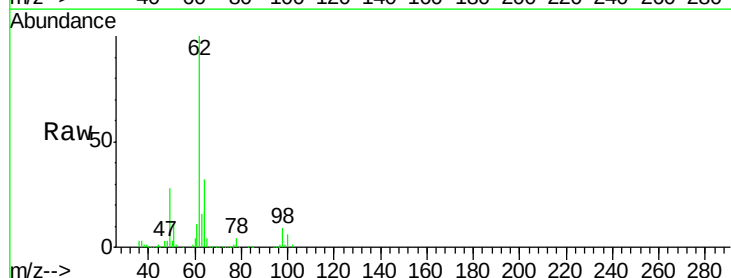
Manual Integrations
APPROVED

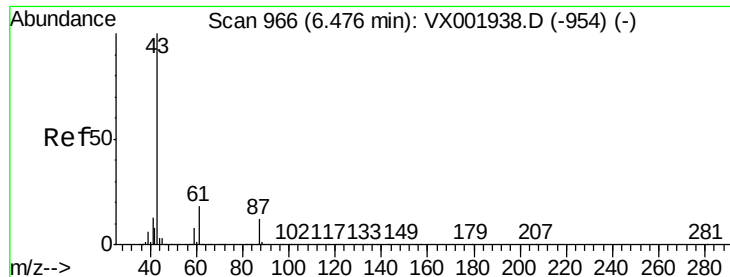
MMDadoda
5/31/2018 3:07:49 PM



#42
1,2-Dichloroethane
Concen: 19.75 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 18.87 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

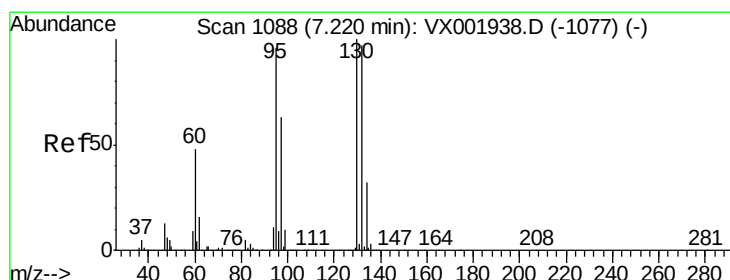
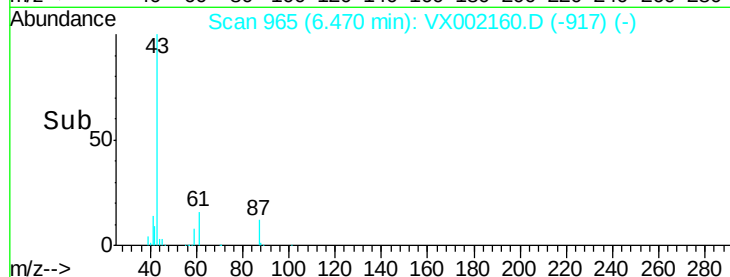
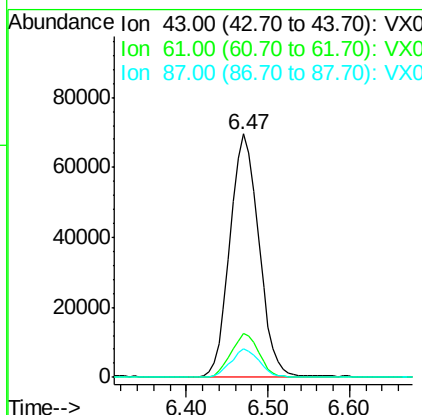
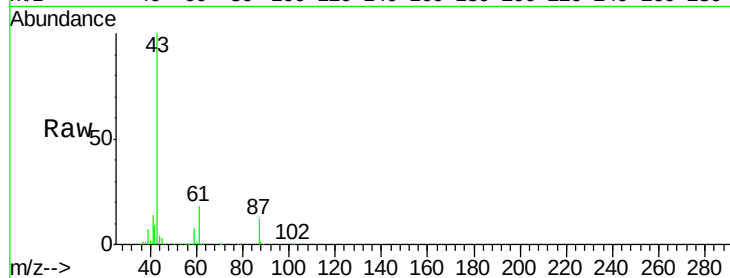
ClientSampleId :

VX0530WBS03

Tot Ion:	43	Resp:	170444
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.5	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#44

Trichloroethene

Concen: 17.68 ug/l

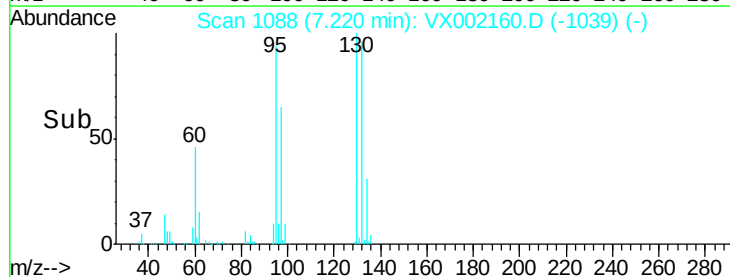
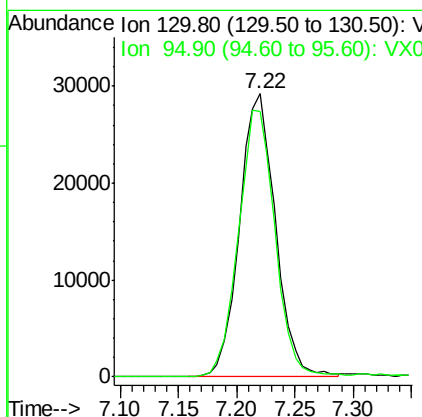
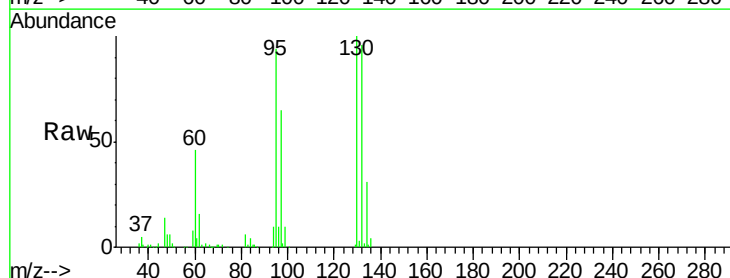
RT: 7.22 min Scan# 1088

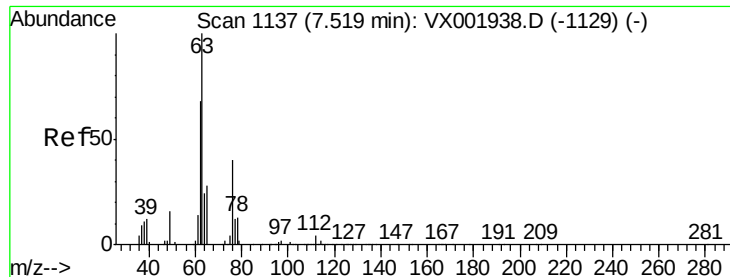
Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	130	Resp:	62766
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	192.0





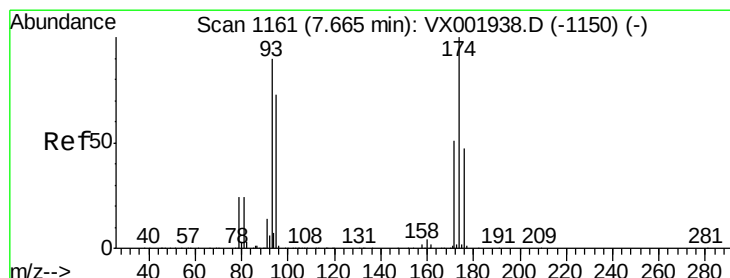
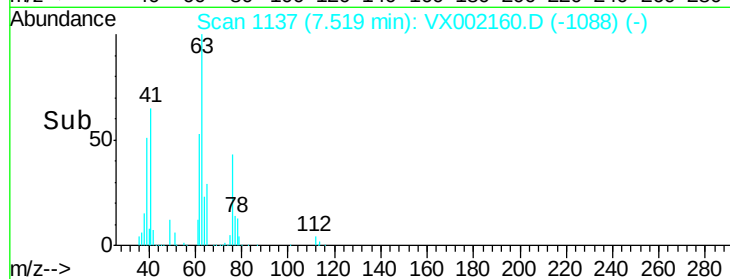
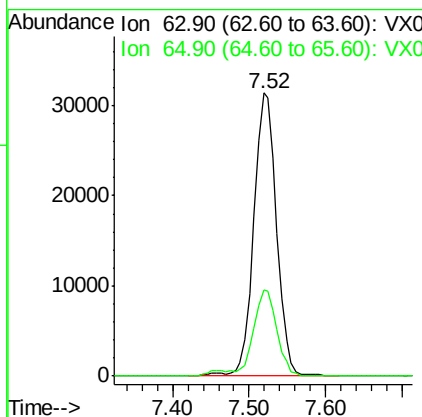
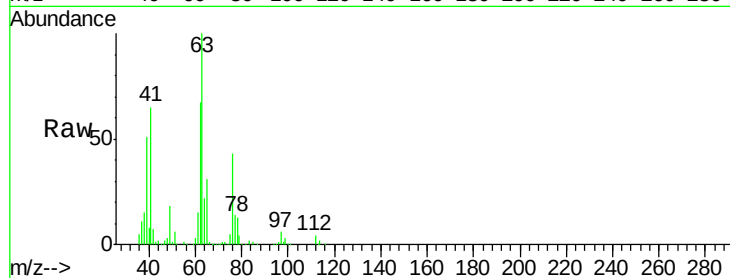
#45
 1,2-Dichloropropane
 Concen: 19.81 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.1	36.1

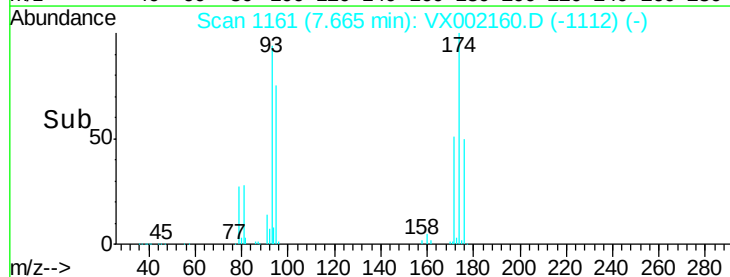
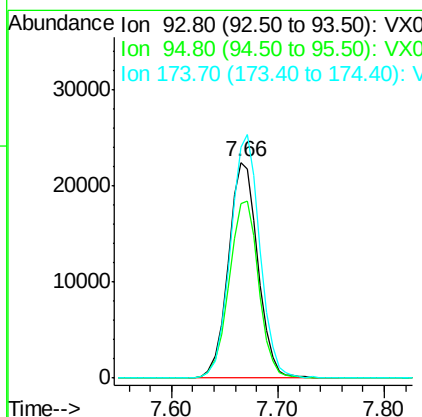
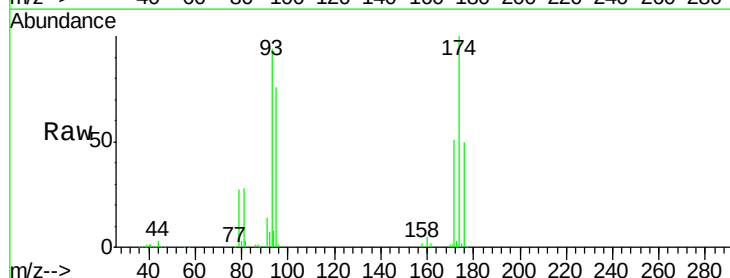
Manual Integrations
 APPROVED

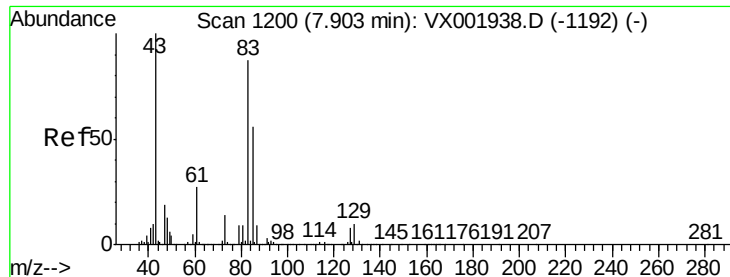
MMDadoda
 5/31/2018 3:07:49 PM



#46
 Dibromomethane
 Concen: 19.92 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.1	99.1
174	111.9	92.5	138.7





#47

Bromodichloromethane

Concen: 16.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

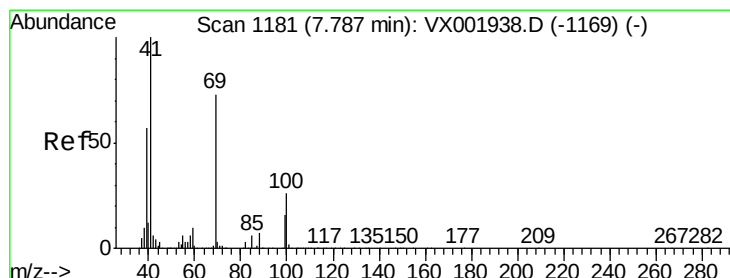
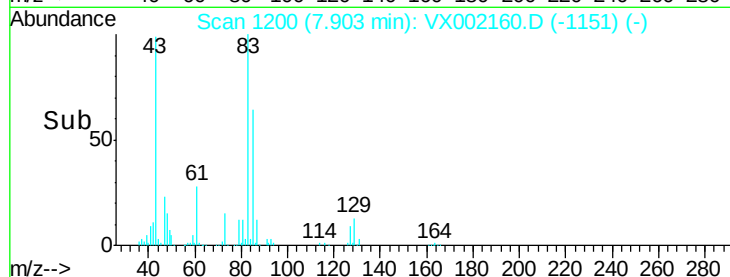
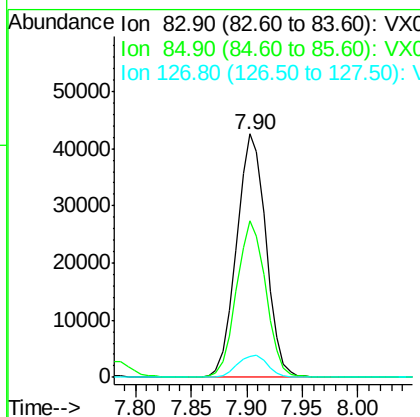
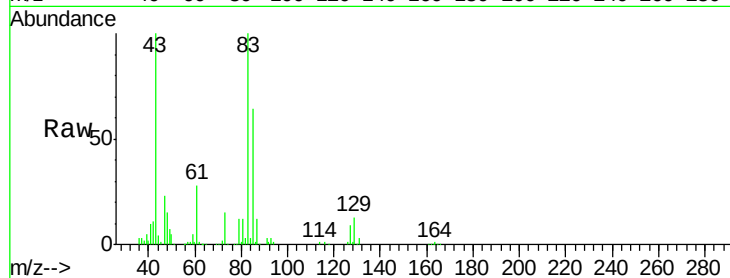
ClientSampleId :

VX0530WBS03

Tot Ion:	83	Resp:	77884
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2
127	8.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#48

Methyl methacrylate

Concen: 18.93 ug/l

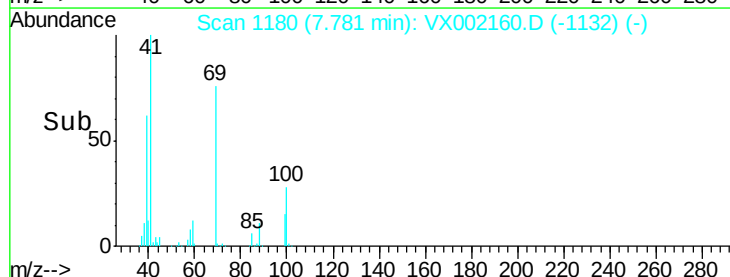
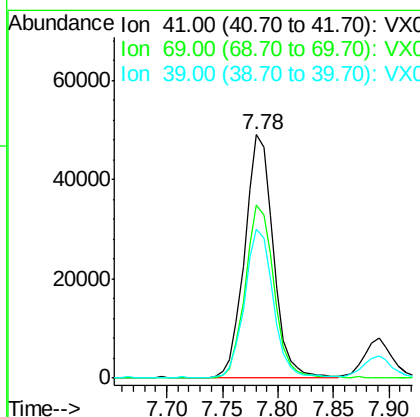
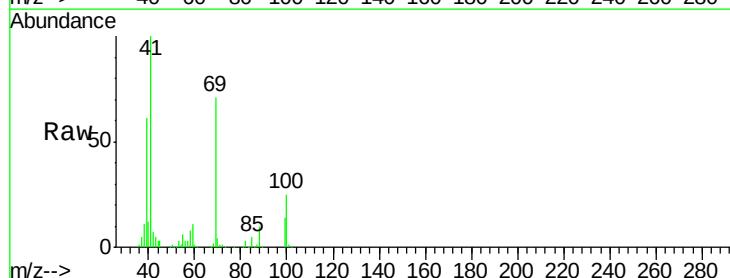
RT: 7.78 min Scan# 1180

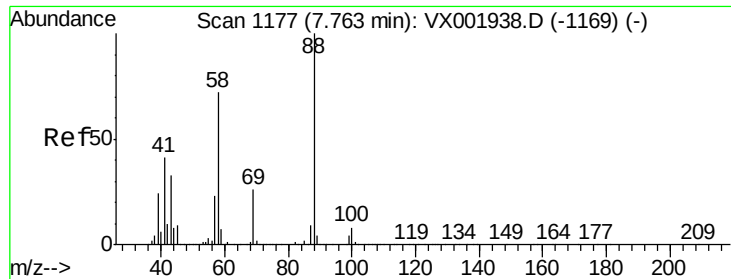
Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	41	Resp:	87066
Ion	Ratio	Lower	Upper
41	100		
69	72.8	58.6	87.8
39	61.2	46.3	69.5





#49

1,4-Dioxane

Concen: 417.21 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

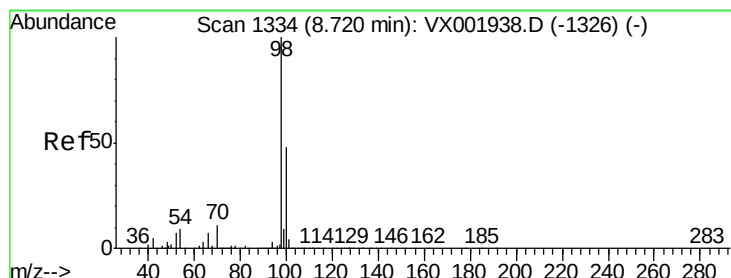
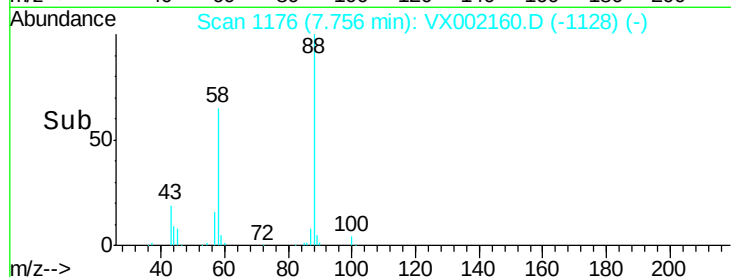
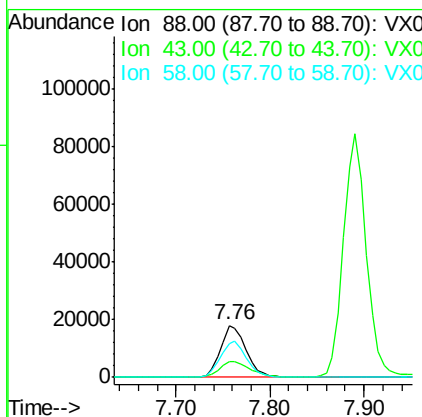
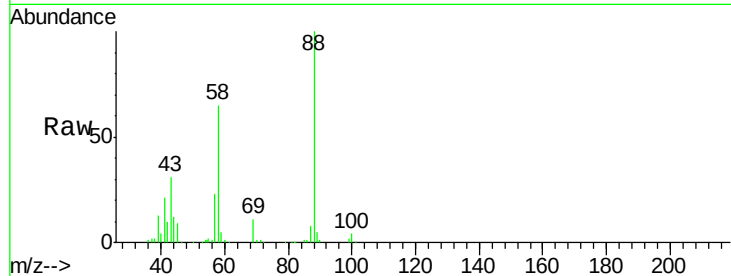
ClientSampleId :

VX0530WBS03

Tot Ion:	88	Resp:	33806
Ion	Ratio	Lower	Upper
88	100		
43	35.4	29.8	44.8
58	72.1	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#50

Toluene-d8

Concen: 41.55 ug/l

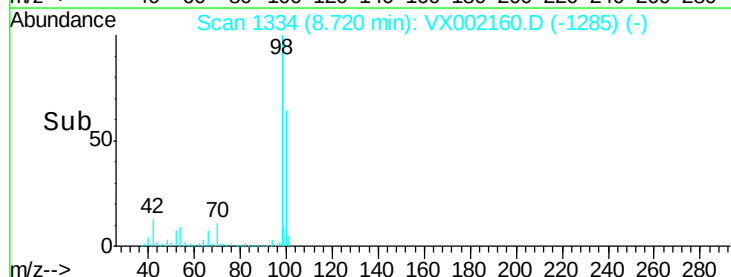
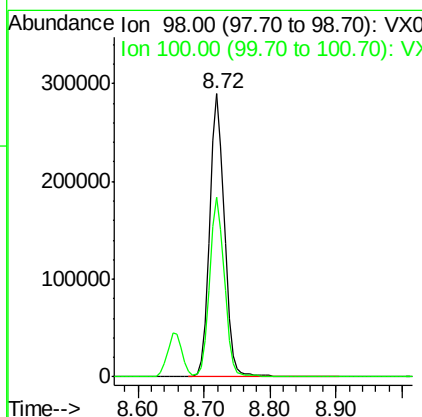
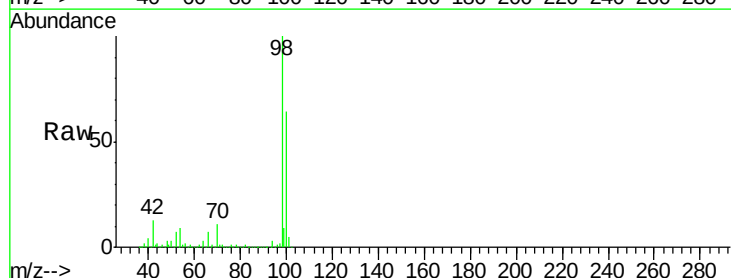
RT: 8.72 min Scan# 1334

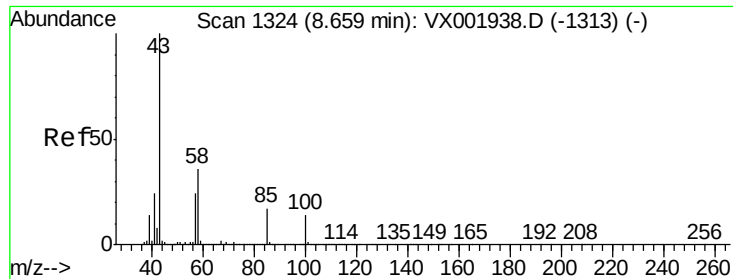
Delta R.T. 0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	98	Resp:	449744
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





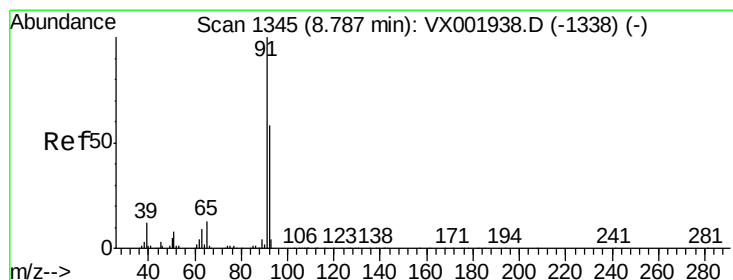
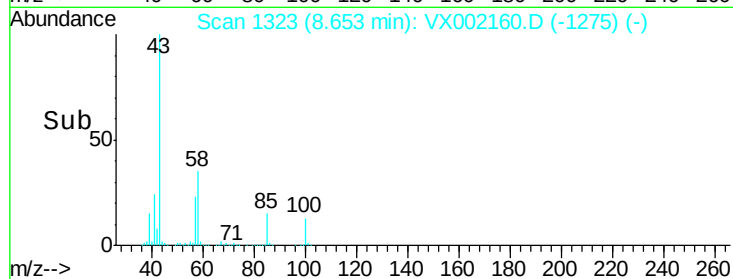
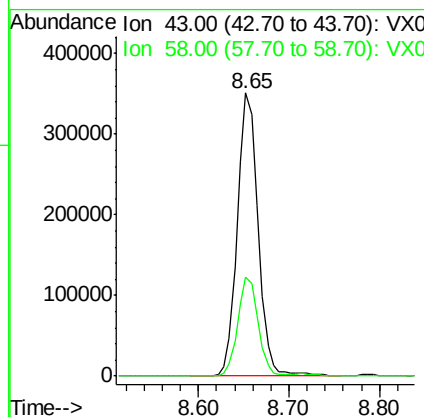
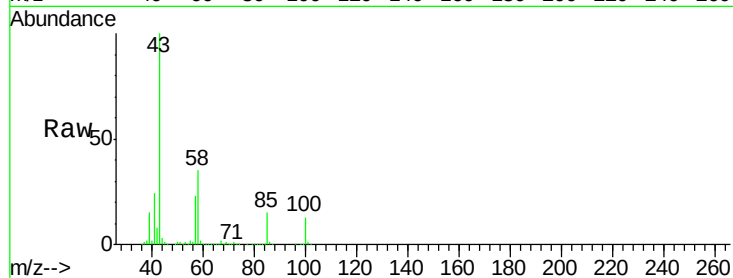
#51
 4-Methyl-2-Pentanone
 Concen: 102.67 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.5	42.7

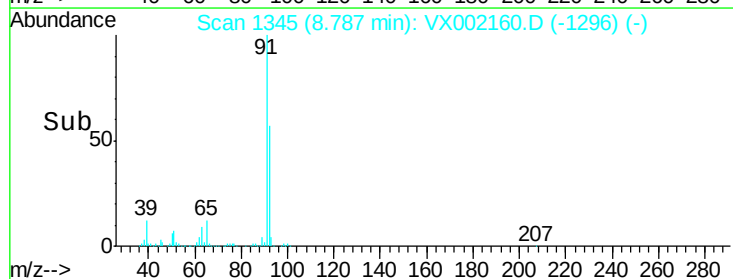
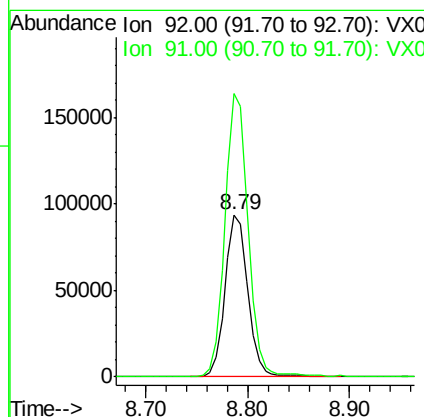
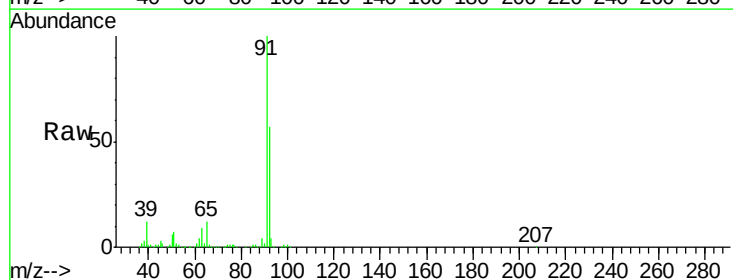
Manual Integrations
 APPROVED

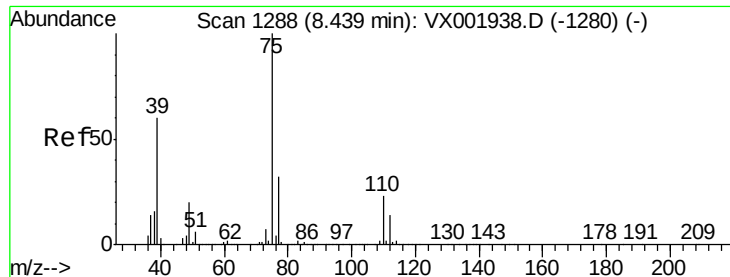
MMDadoda
 5/31/2018 3:07:49 PM



#52
 Toluene
 Concen: 18.88 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.7	139.4	209.2





#53

t-1,3-Dichloropropene

Concen: 16.85 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 75 Resp: 90638

Ion Ratio Lower Upper

75 100

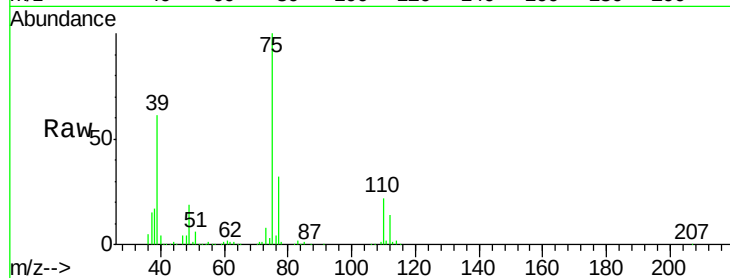
77 31.6 25.5 38.3

Manual Integrations

APPROVED

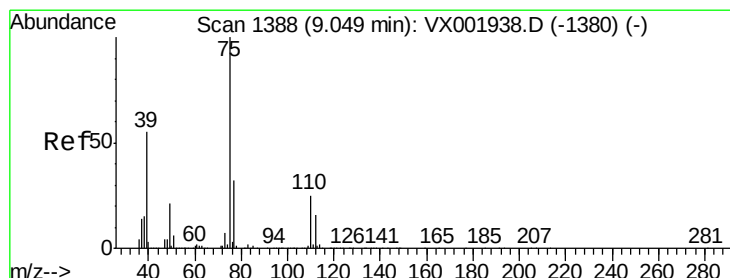
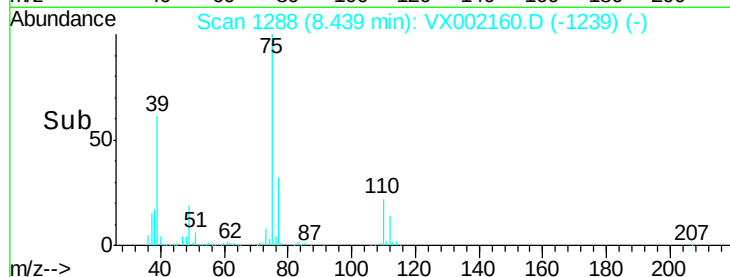
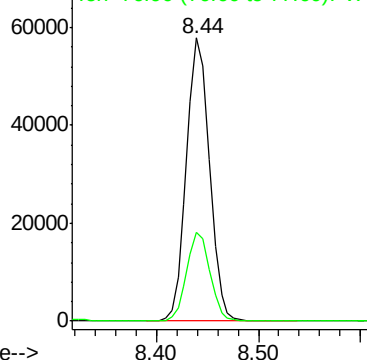
MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 16.12 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

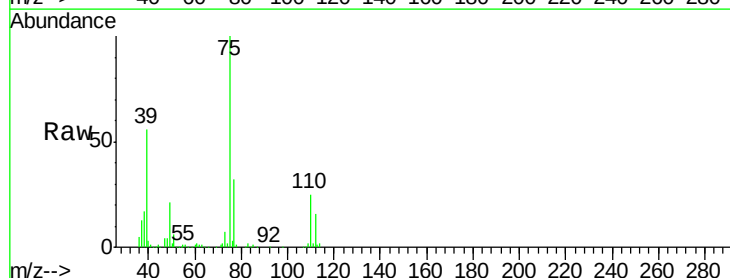
Tgt Ion: 75 Resp: 84526

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

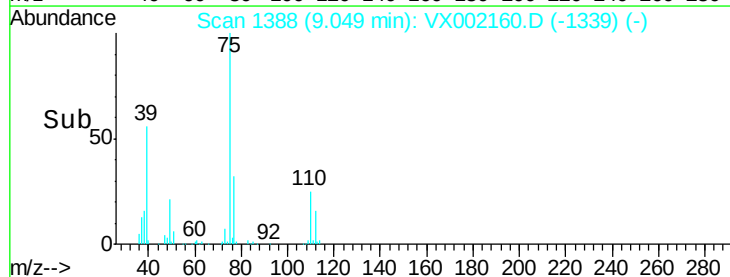
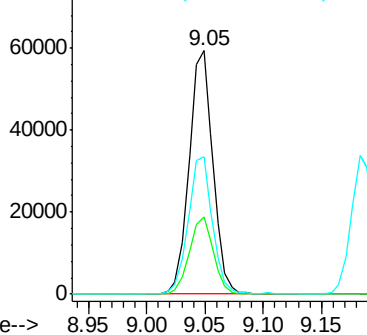
39 56.2 44.1 66.1

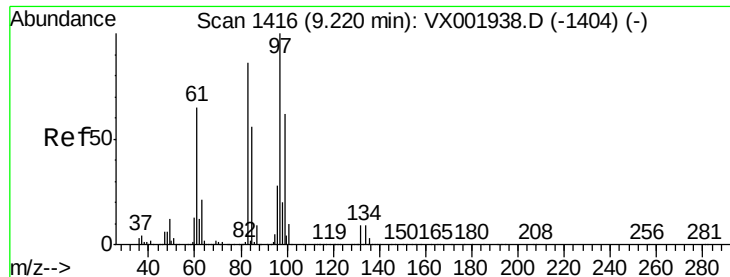


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





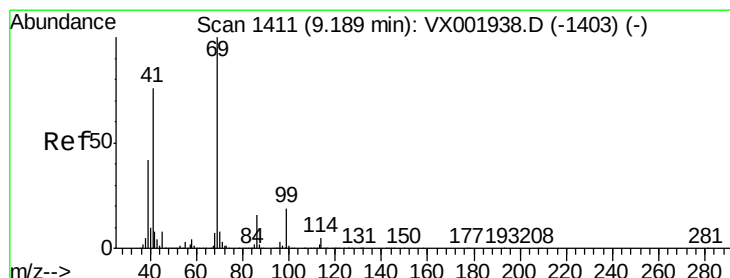
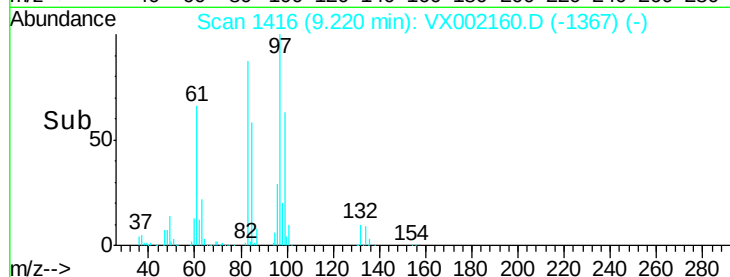
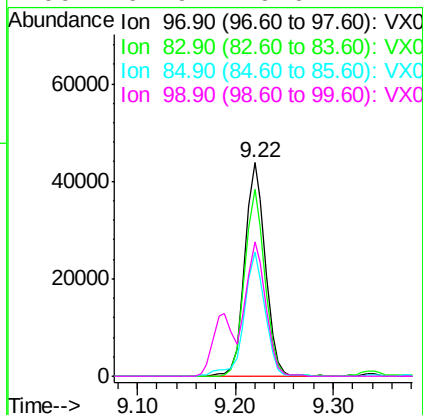
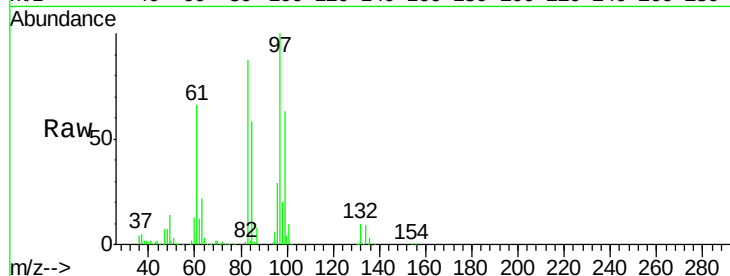
#55
 1,1,2-Trichloroethane
 Concen: 19.73 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion:	97	Resp:	63922
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.1	103.7
85	58.2	45.2	67.8
99	62.9	49.6	74.4

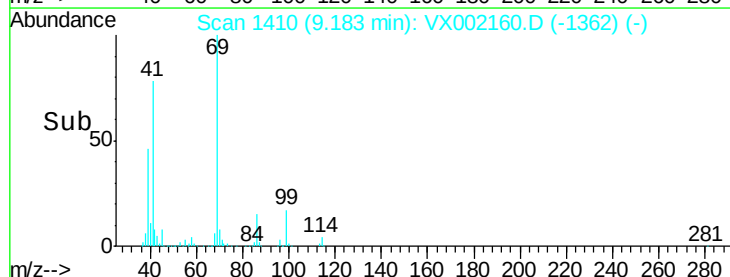
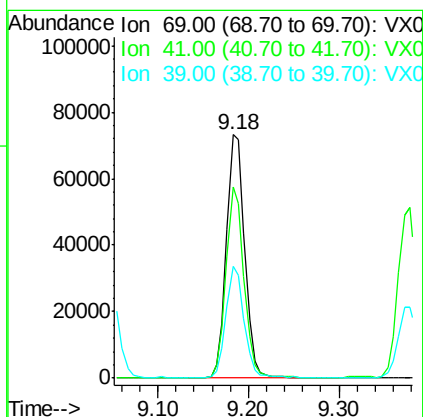
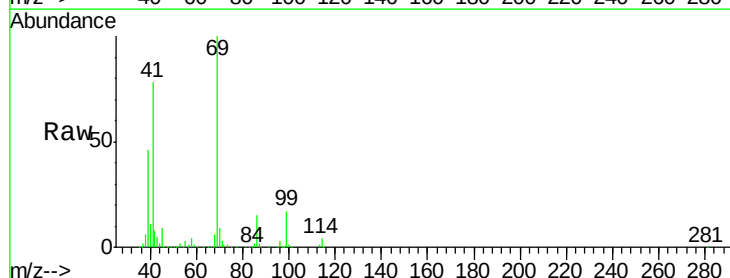
Manual Integrations
 APPROVED

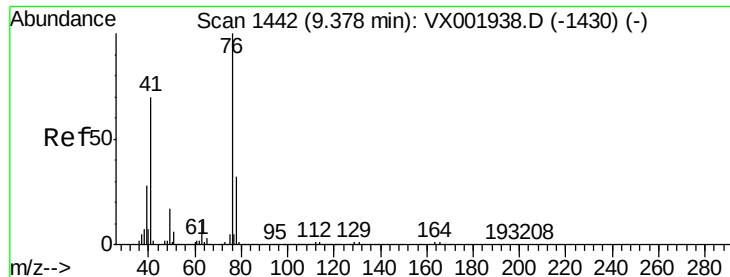
MMDadoda
 5/31/2018 3:07:49 PM



#56
 Ethyl methacrylate
 Concen: 18.62 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion:	69	Resp:	103759
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.0	91.6
39	44.9	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion: 76 Resp: 106715

Ion Ratio Lower Upper

76 100

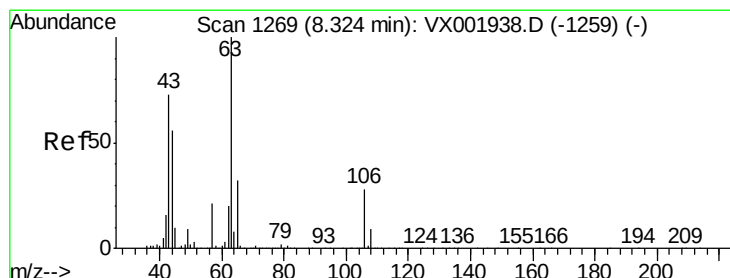
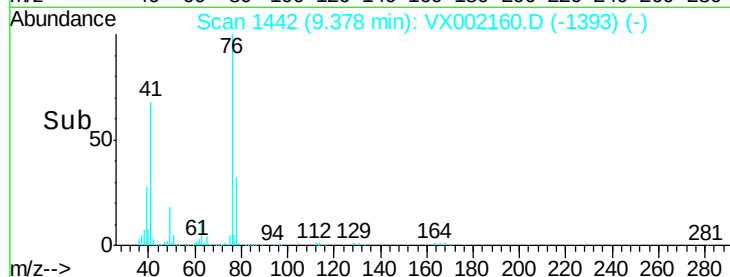
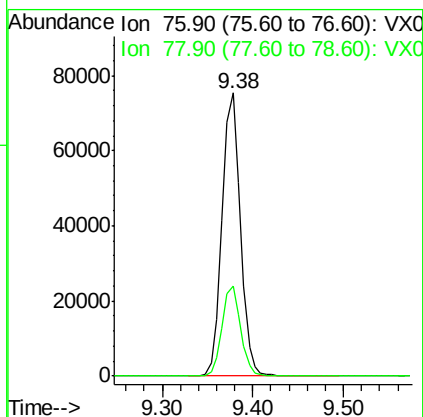
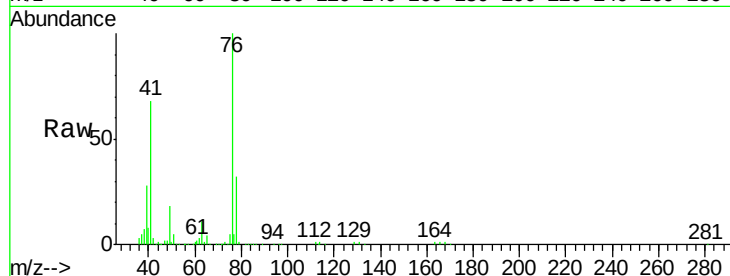
78 32.4 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.98 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002160.D

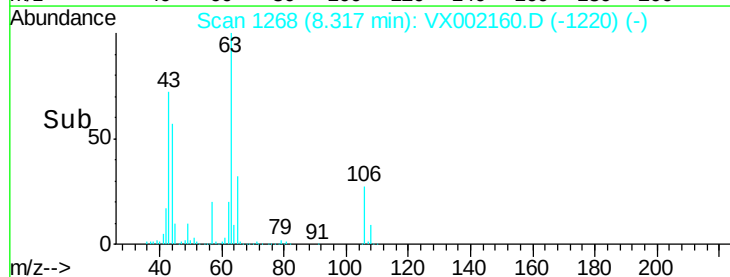
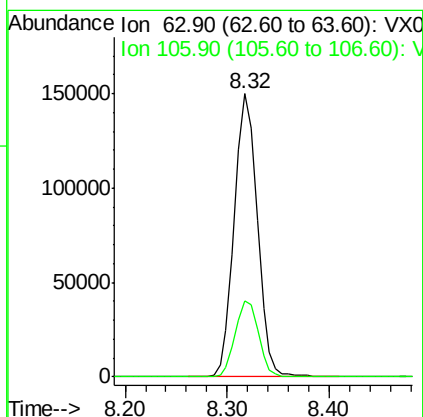
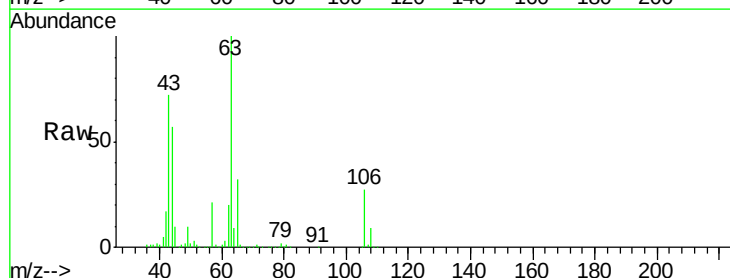
Acq: 31 May 2018 02:37

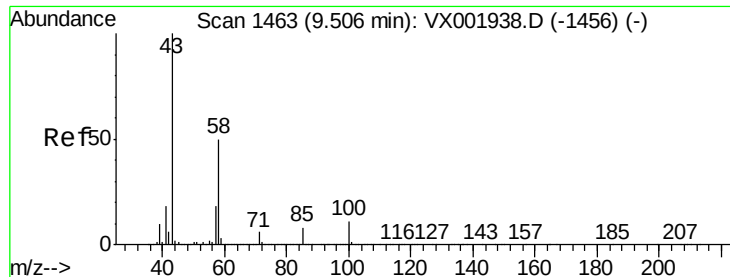
Tgt Ion: 63 Resp: 234554

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





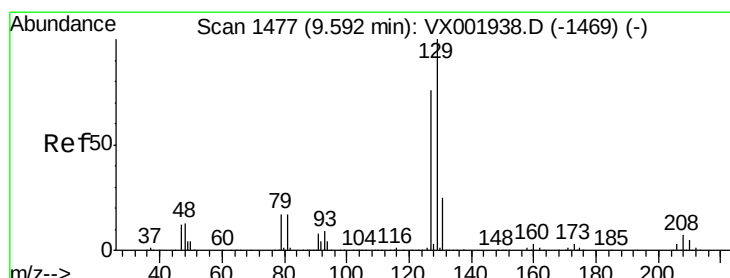
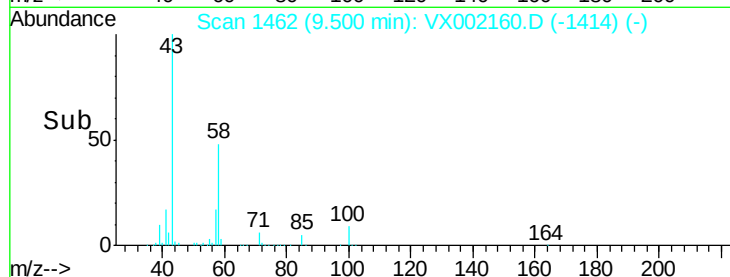
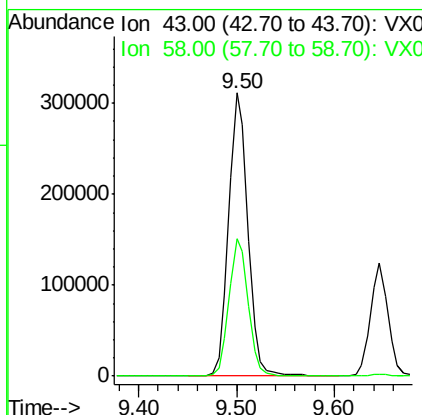
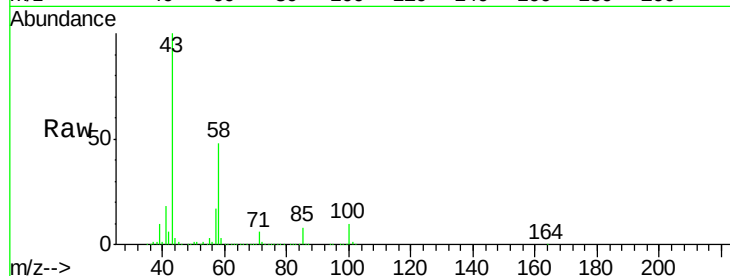
#59
2-Hexanone
Concen: 101.31 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion: 43 Resp: 425417
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

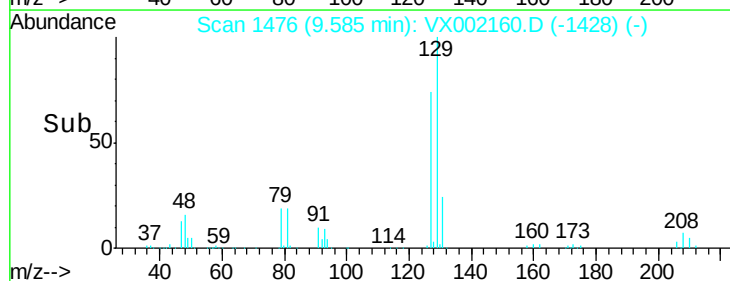
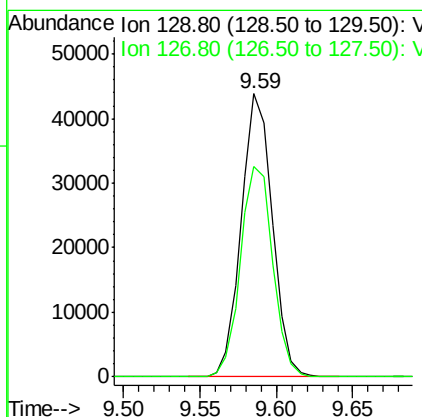
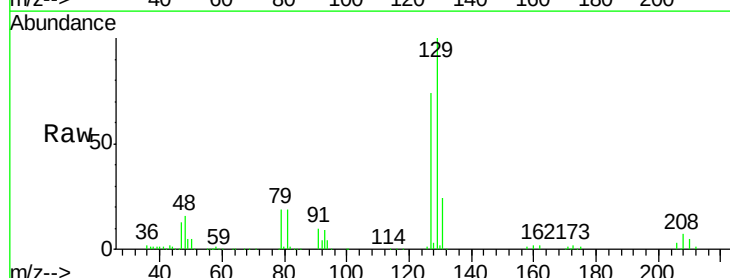
Manual Integrations
APPROVED

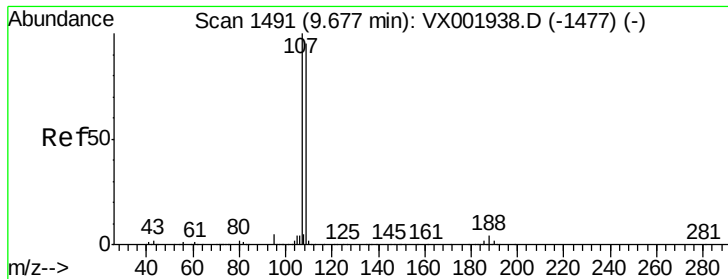
MMDadoda
5/31/2018 3:07:49 PM



#60
Dibromochloromethane
Concen: 16.17 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion: 129 Resp: 62034
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.84 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion:107 Resp: 67435

Ion Ratio Lower Upper

107 100

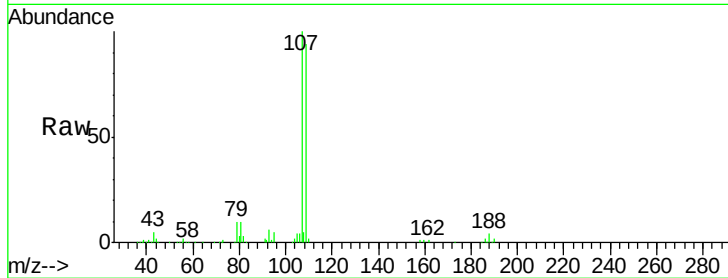
109 92.6 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

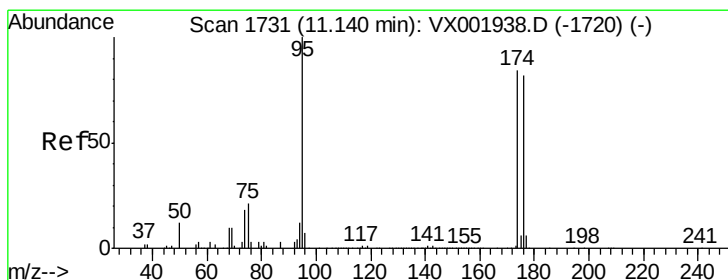
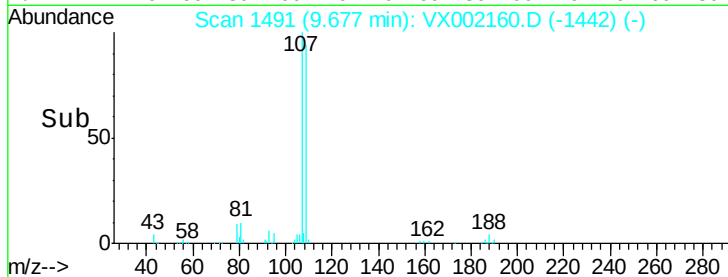
30000

20000

10000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

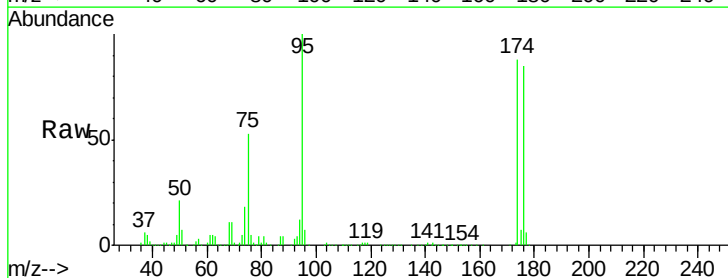
Tgt Ion: 95 Resp: 174754

Ion Ratio Lower Upper

95 100

174 92.1 0.0 178.8

176 89.6 0.0 175.6



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

11.14

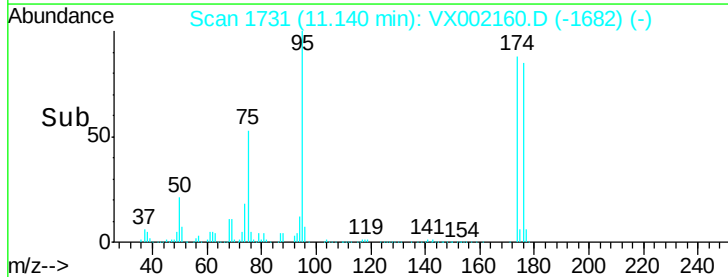
150000

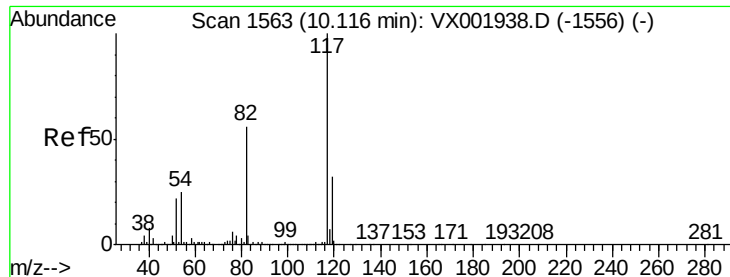
100000

50000

0

Time--> 11.10 11.20





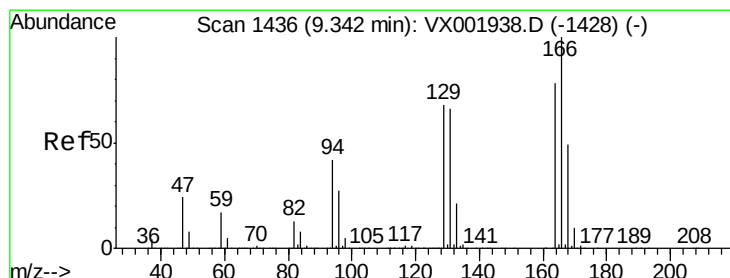
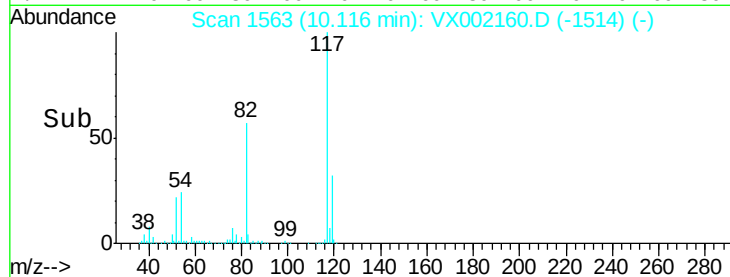
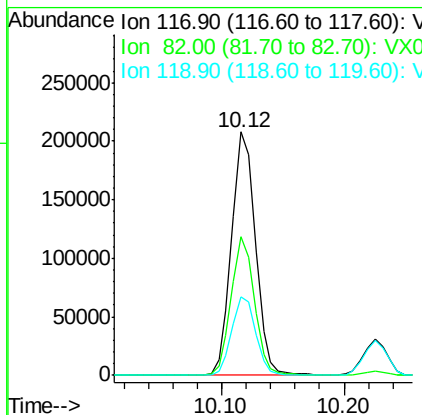
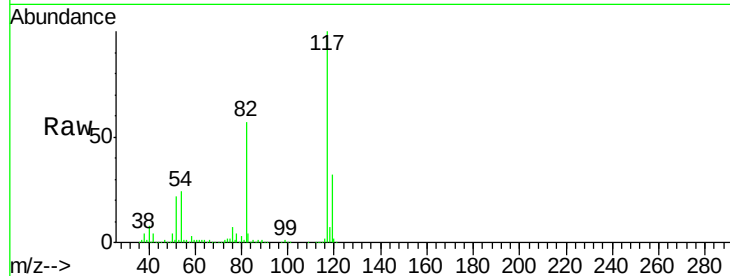
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281746		
82	57.1		44.8	67.2
119	32.3		25.5	38.3

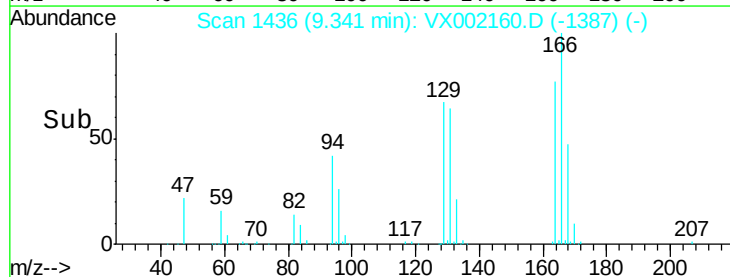
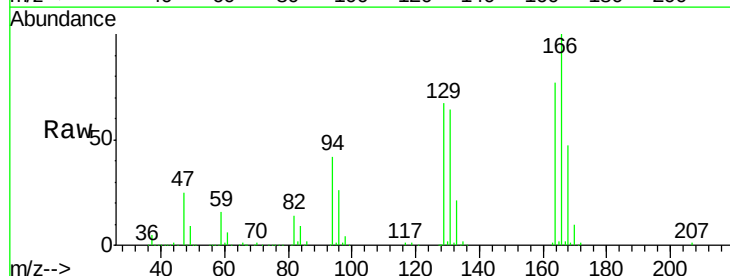
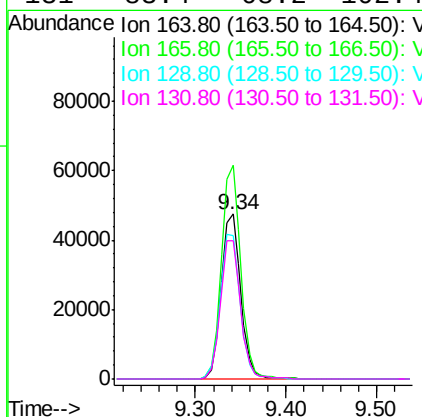
Manual Integrations
APPROVED

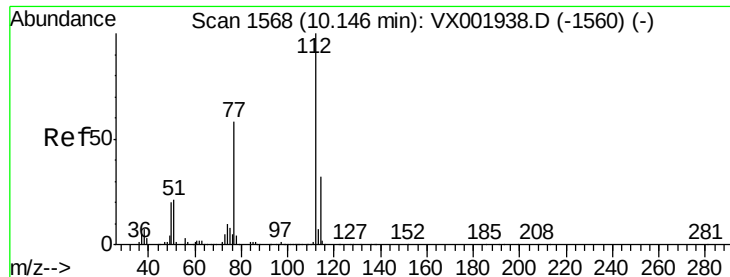
MMDadoda
5/31/2018 3:07:49 PM



#64
Tetrachloroethene
Concen: 17.73 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71611		
166	129.5		102.7	154.1
129	87.0		70.3	105.5
131	83.4		68.2	102.4





#65

Chlorobenzene

Concen: 18.90 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion:112 Resp: 168716

Ion Ratio Lower Upper

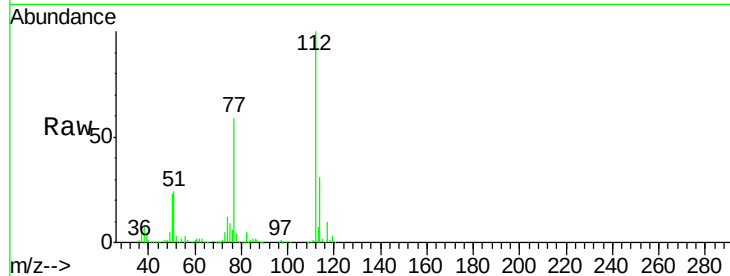
112 100

114 31.3 25.9 38.9

Manual Integrations
APPROVED

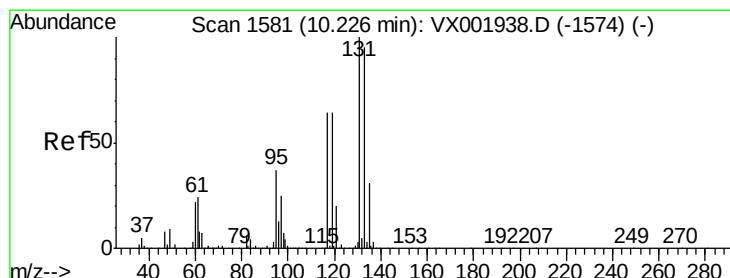
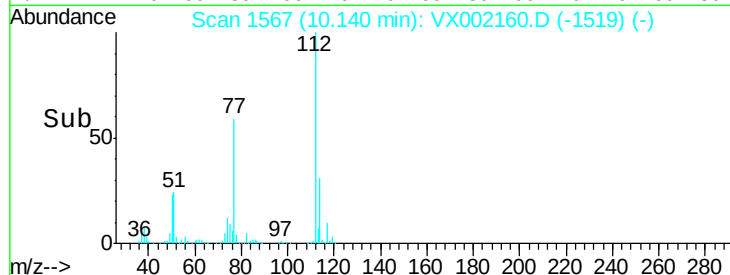
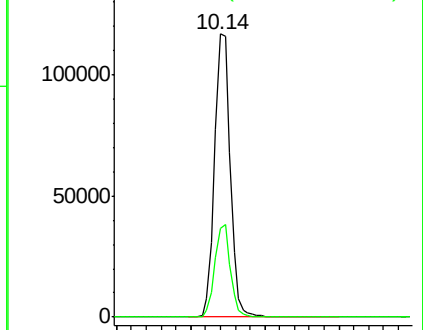
MMDadoda

5/31/2018 3:07:49 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.45 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

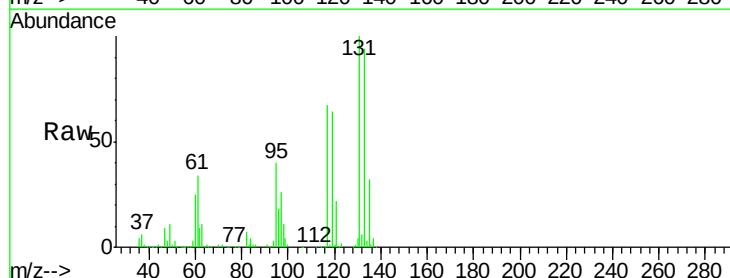
Tgt Ion:131 Resp: 62886

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

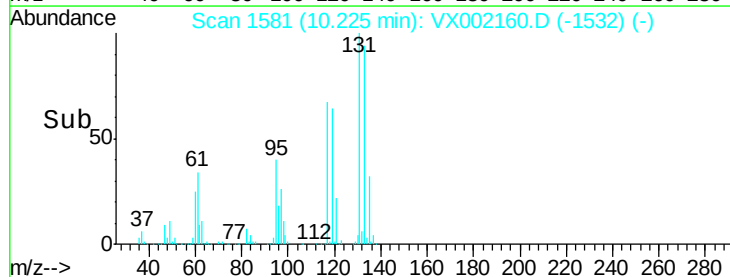
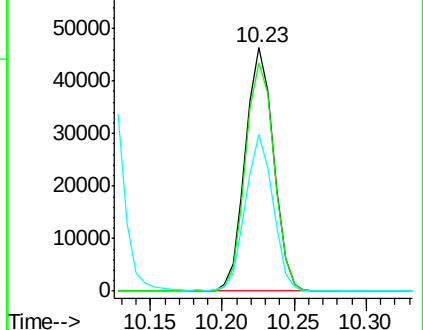
119 63.1 31.9 95.5

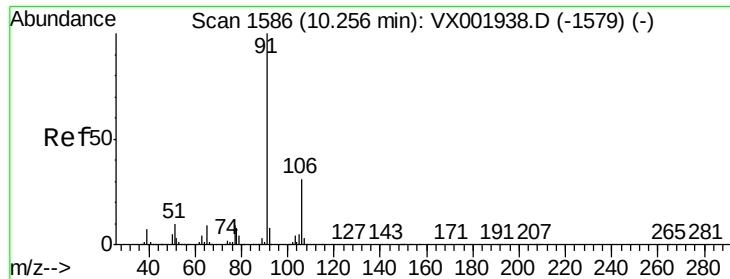


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





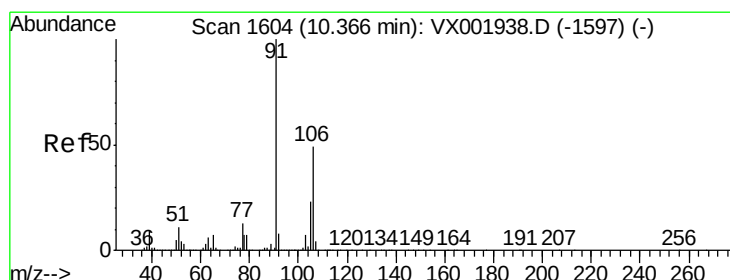
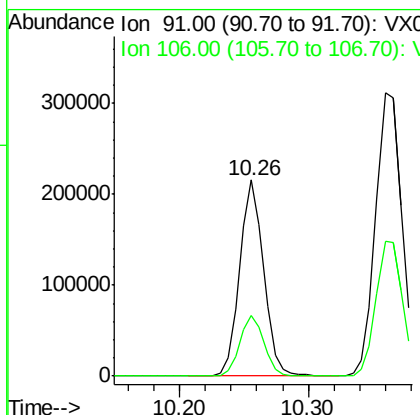
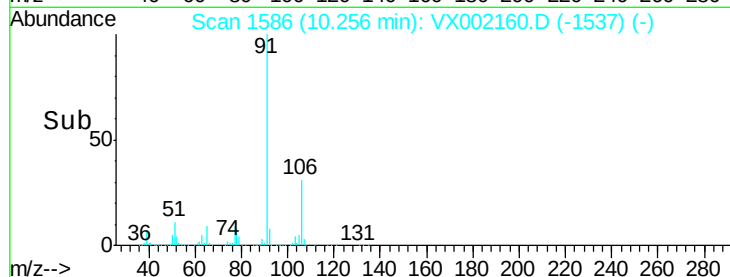
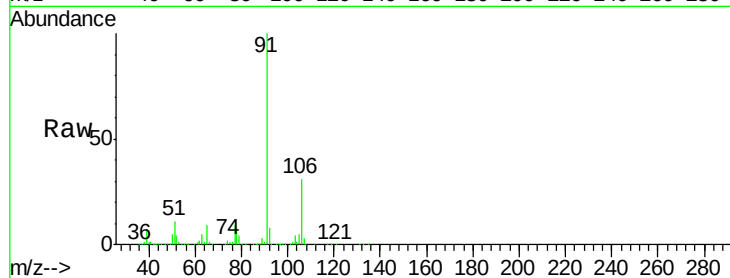
#67
Ethyl Benzene
Concen: 18.03 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion: 91 Resp: 279564
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6

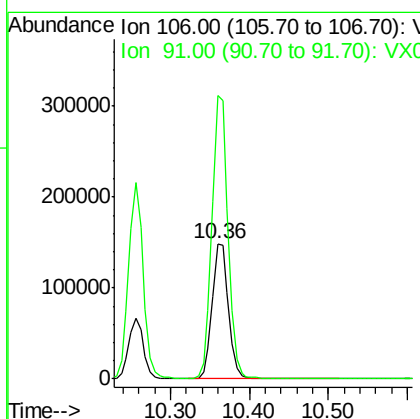
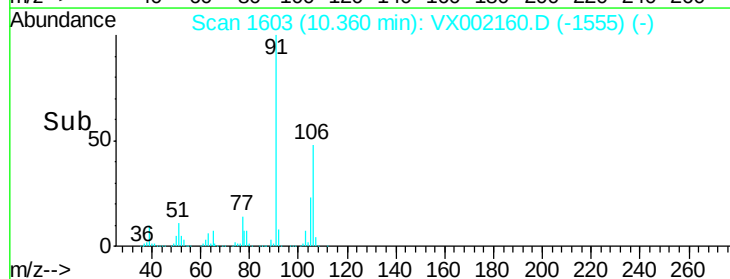
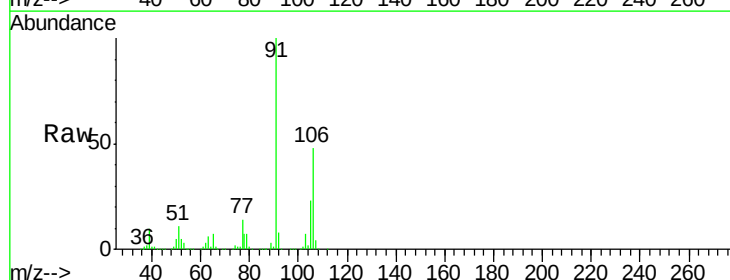
Manual Integrations
APPROVED

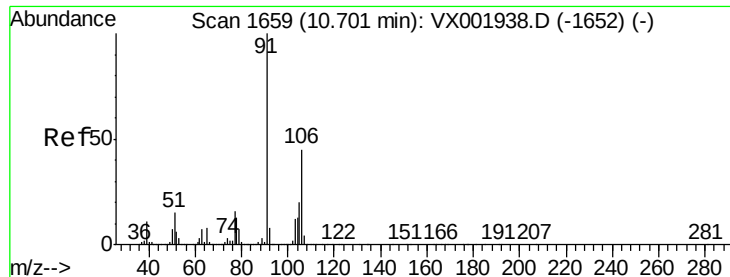
MMDadoda
5/31/2018 3:07:49 PM



#68
m/p-Xylenes
Concen: 36.08 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion: 106 Resp: 213929
Ion Ratio Lower Upper
106 100
91 206.9 165.0 247.6





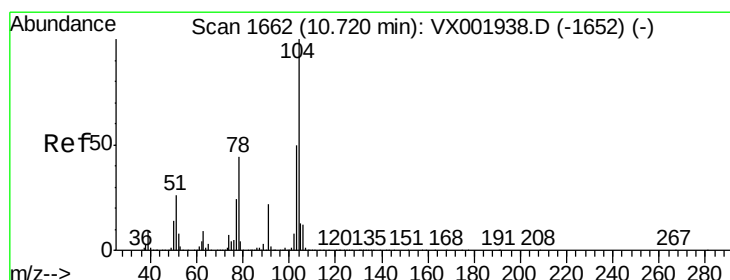
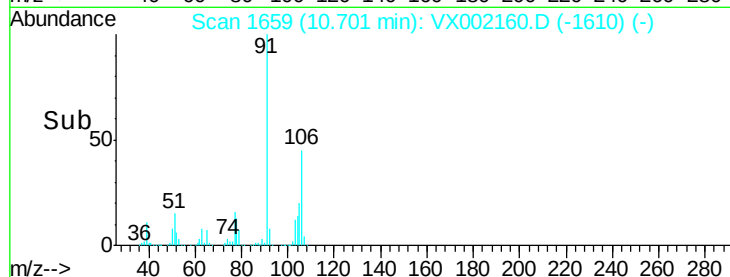
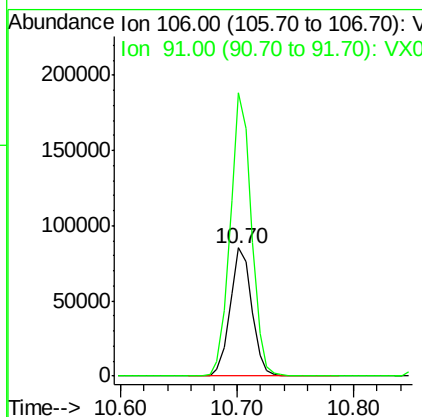
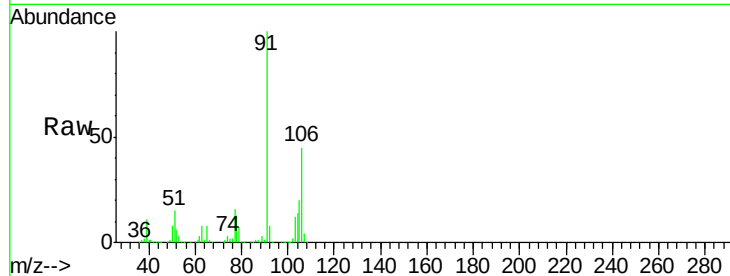
#69
o-Xylene
Concen: 18.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.1	108.7	325.9

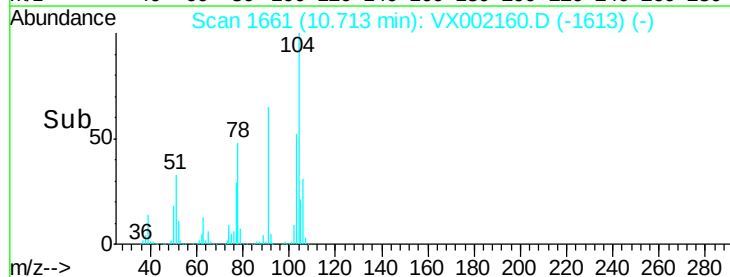
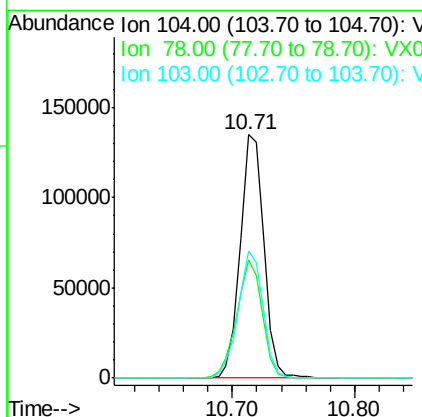
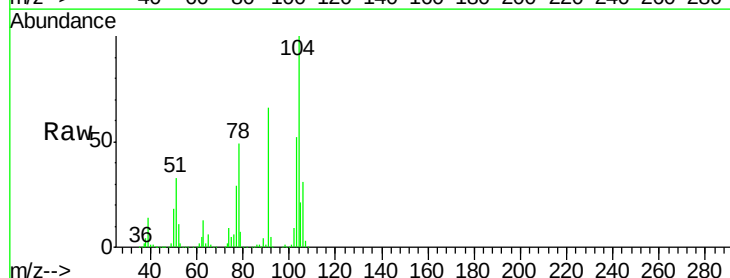
Manual Integrations
APPROVED

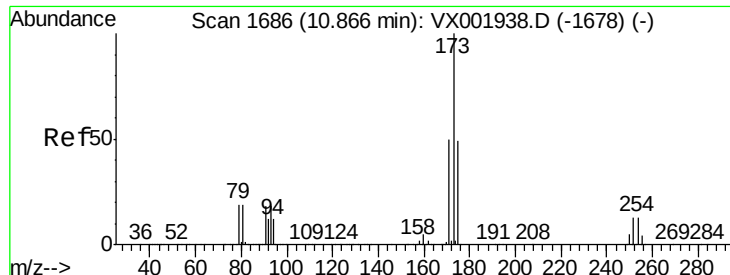
MMDadoda
5/31/2018 3:07:49 PM



#70
Styrene
Concen: 18.39 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	52.3	41.8	62.6
103	103	55.4	44.6	67.0





#71

Bromoform

Concen: 13.61 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

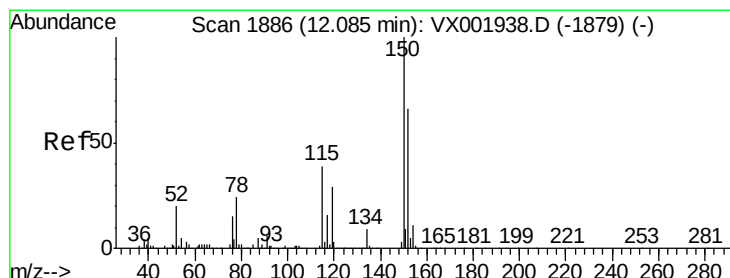
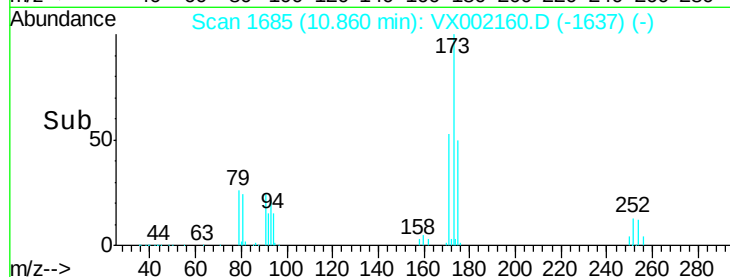
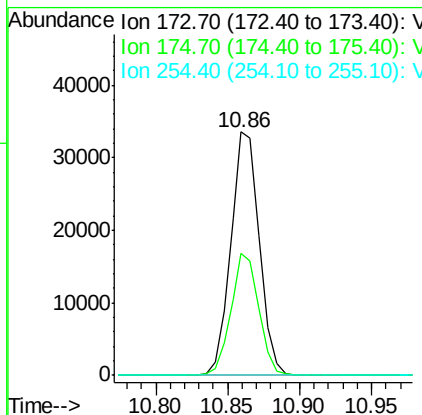
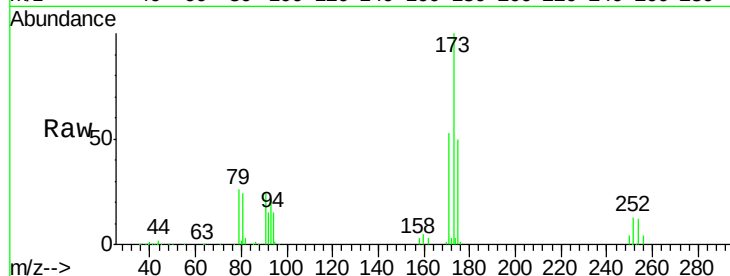
ClientSampleId :

VX0530WBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

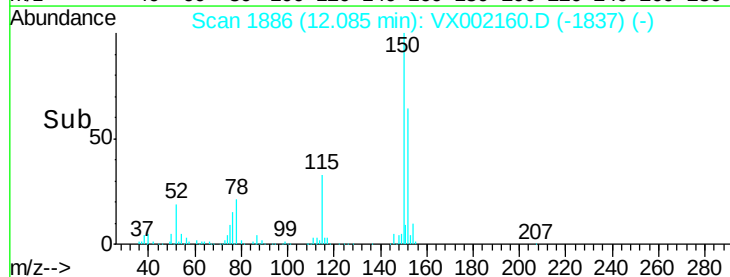
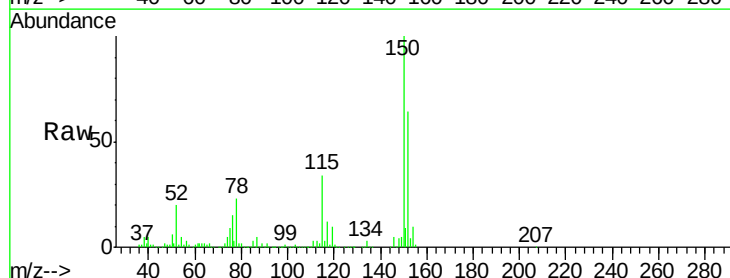
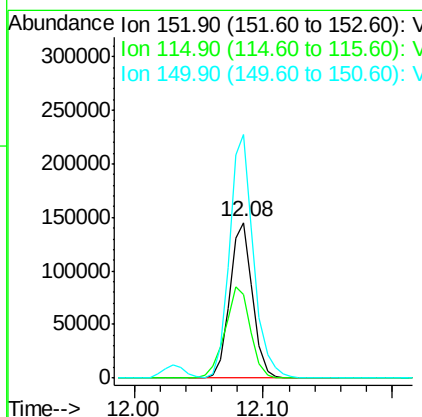
RT: 12.08 min Scan# 1886

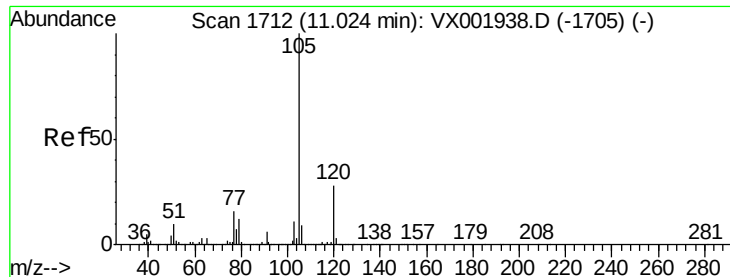
Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	42.3	126.8
150	165.2	0.0	351.0





#73

Isopropylbenzene

Concen: 18.24 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion:105 Resp: 275420

Ion Ratio Lower Upper

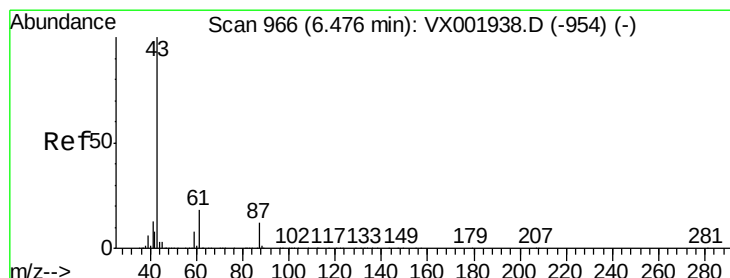
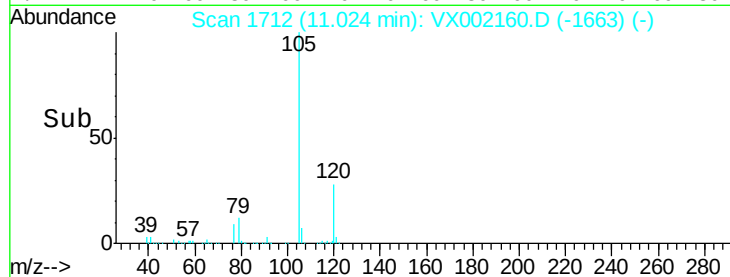
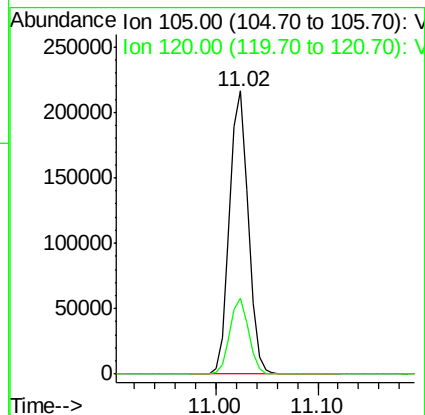
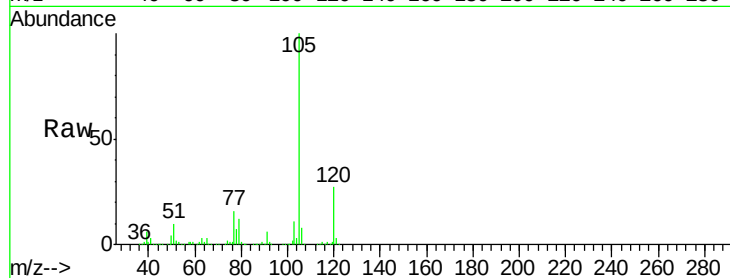
105 100

120 26.7 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#74

N-ethyl acetate

Concen: 19.85 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion: 43 Resp: 170444

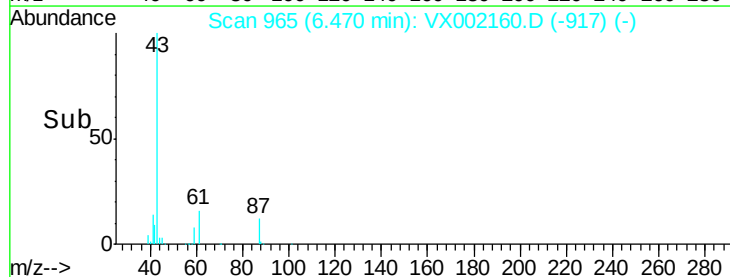
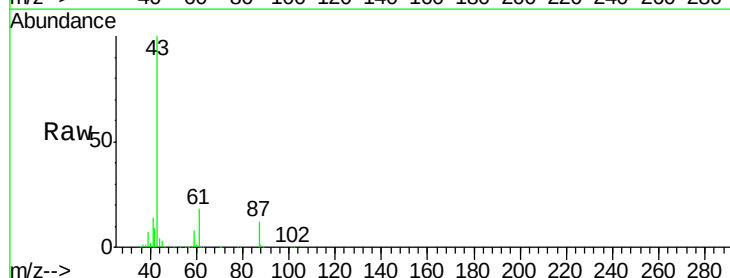
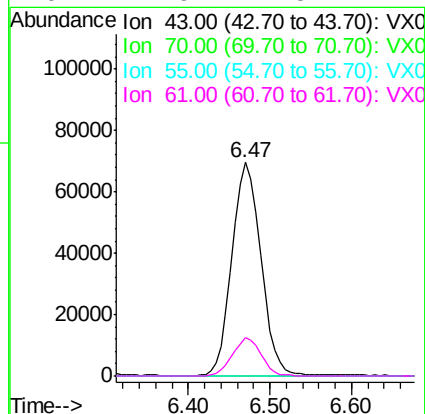
Ion Ratio Lower Upper

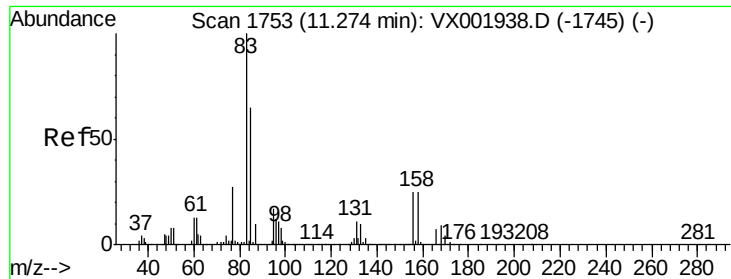
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 17.9 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.59 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

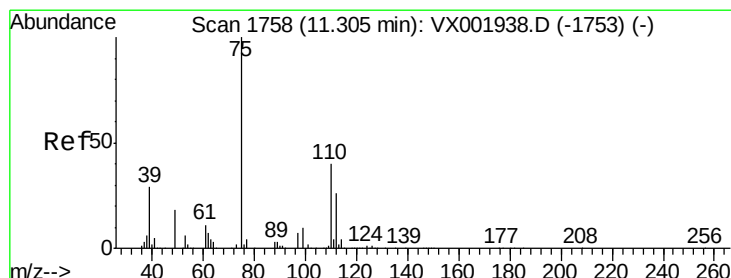
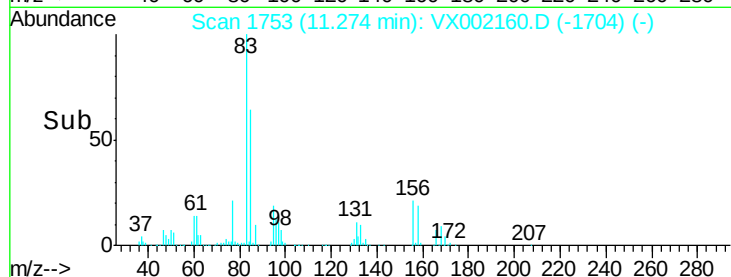
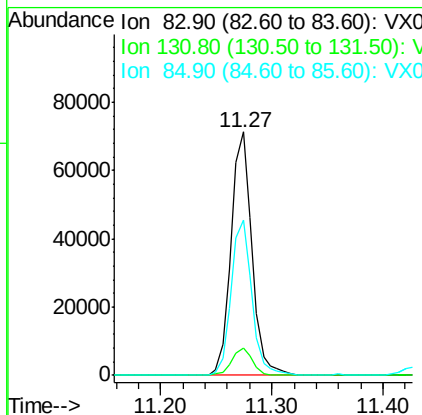
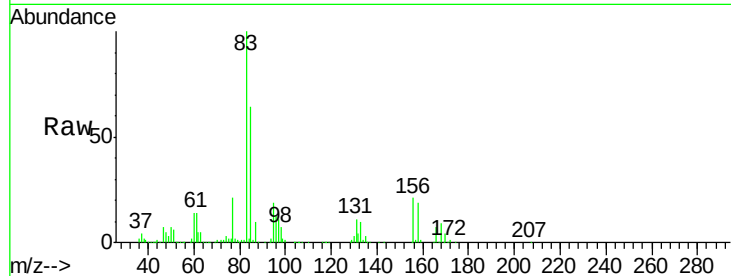
ClientSampleId :

VX0530WBS03

Tot Ion:	83	Resp:	92137
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	63.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#76

1,2,3-Trichloropropane

Concen: 22.12 ug/l m

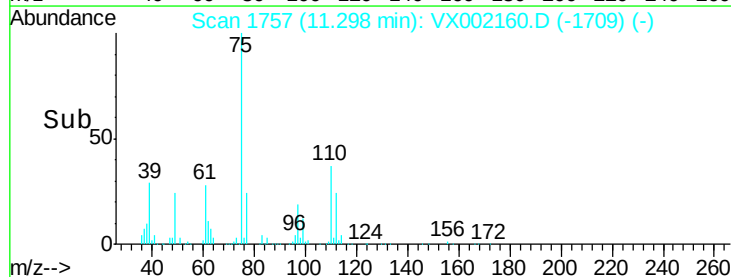
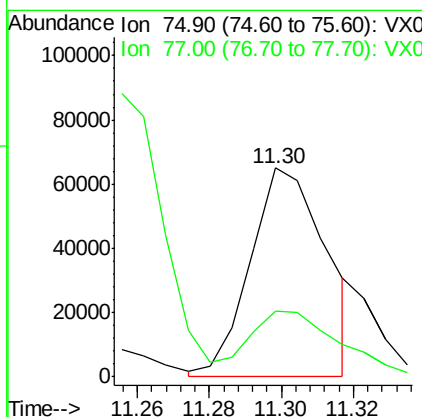
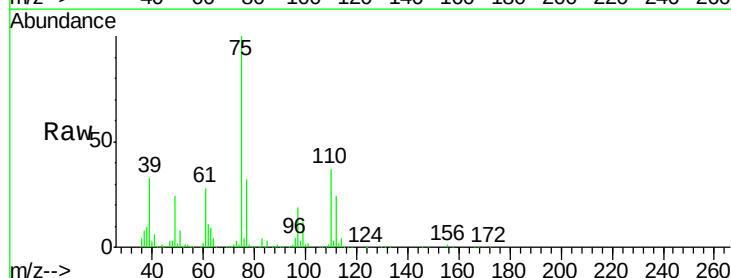
RT: 11.30 min Scan# 1757

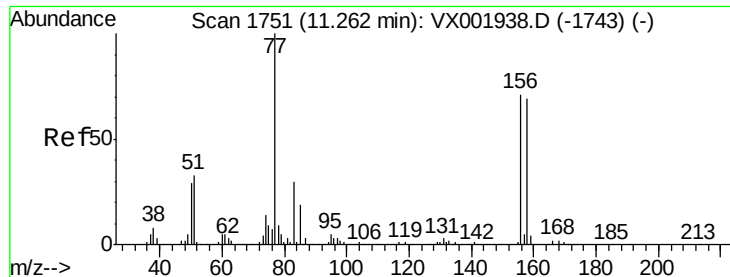
Delta R.T. -0.01 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion:	75	Resp:	94769
Ion Ratio	Lower	Upper	
75	100		
77	38.1	22.8	68.3





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS03

Tot Ion:156 Resp: 80472

Ion Ratio Lower Upper

156 100

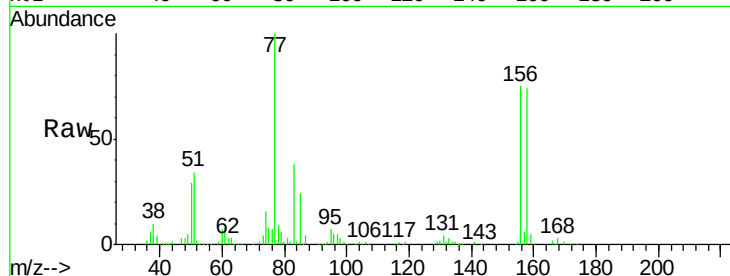
77 144.5 75.2 225.6

158 96.0 48.6 145.8

Manual Integrations
APPROVED

MMDadoda

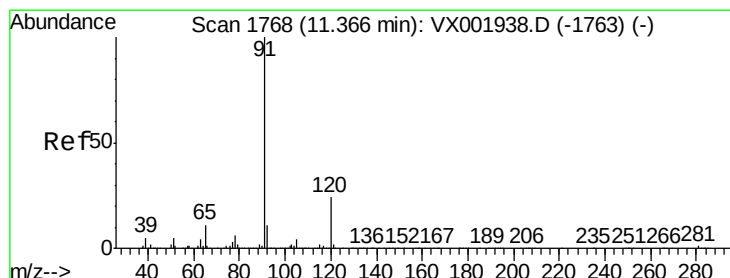
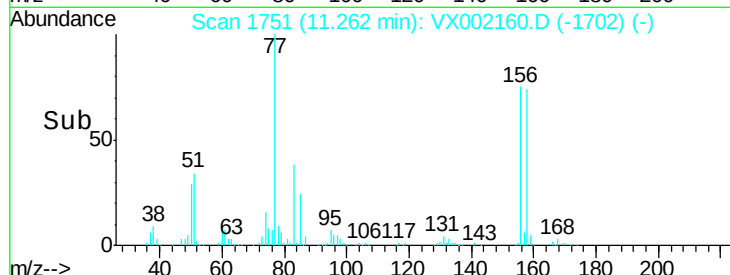
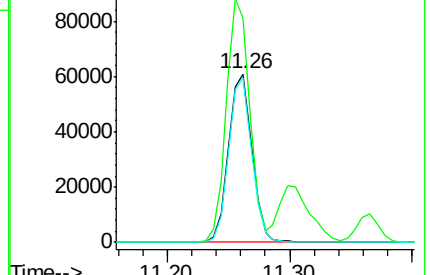
5/31/2018 3:07:49 PM



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: 17.87 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002160.D

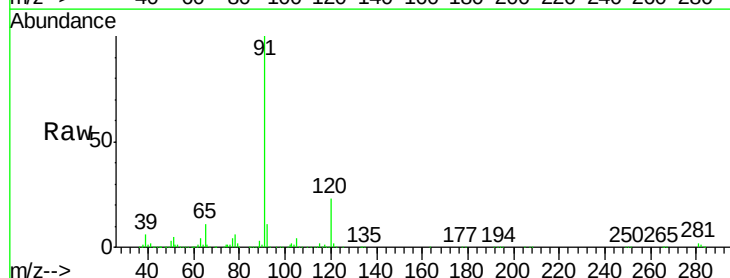
Acq: 31 May 2018 02:37

Tgt Ion: 91 Resp: 302324

Ion Ratio Lower Upper

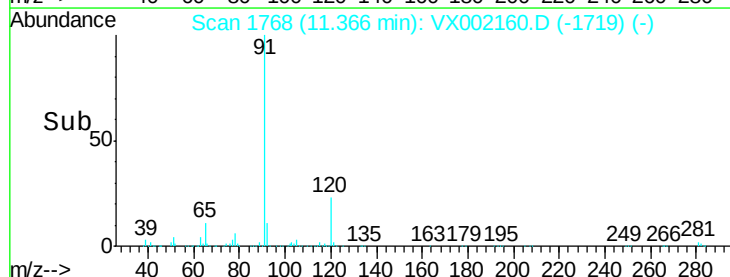
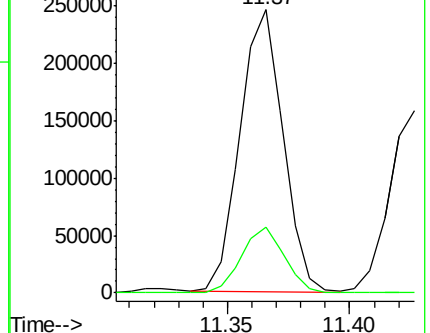
91 100

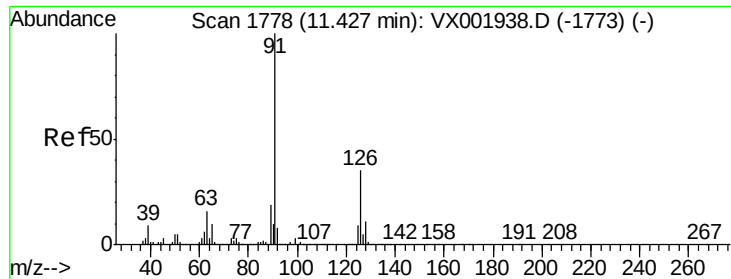
120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Instrument :

MSVOA_X

ClientSampled :

VX0530WBS03

Tot Ion: 91 Resp: 197580

Ion Ratio Lower Upper

91 100

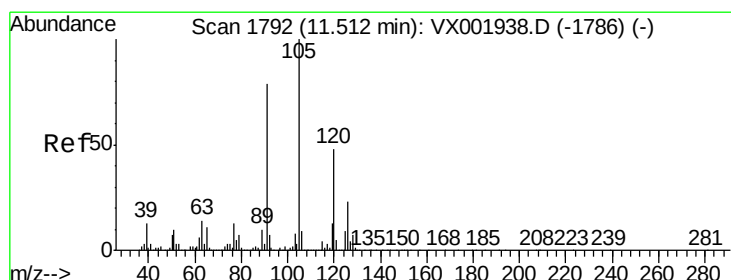
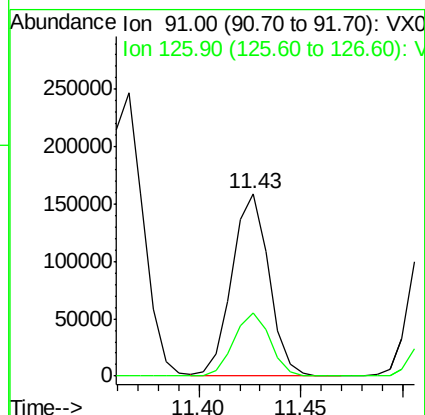
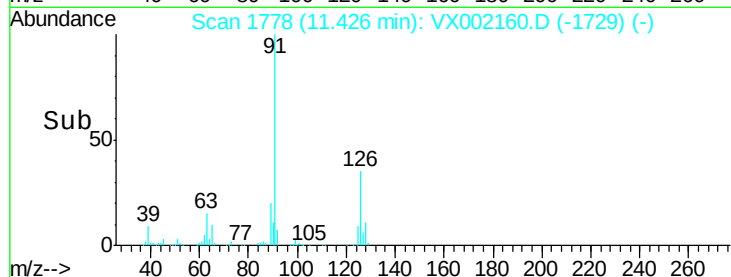
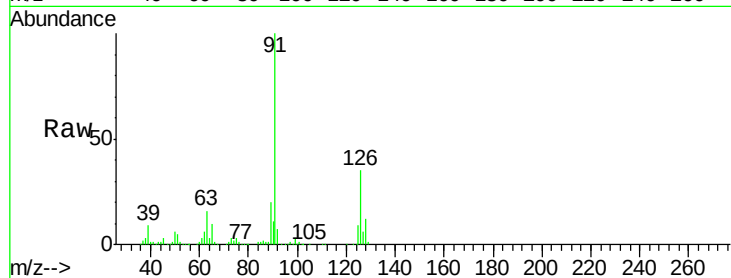
126 34.9 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

5/31/2018 3:07:49 PM



#80

1,3,5-Trimethylbenzene

Concen: 18.19 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002160.D

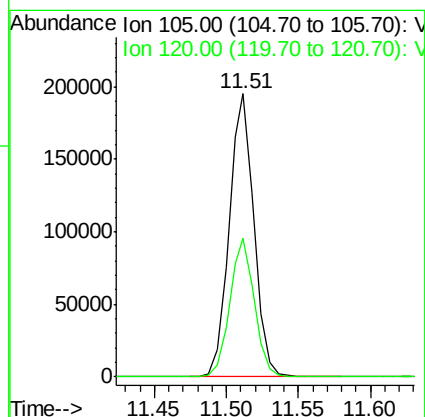
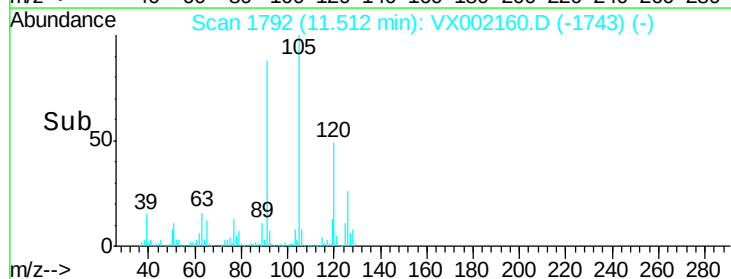
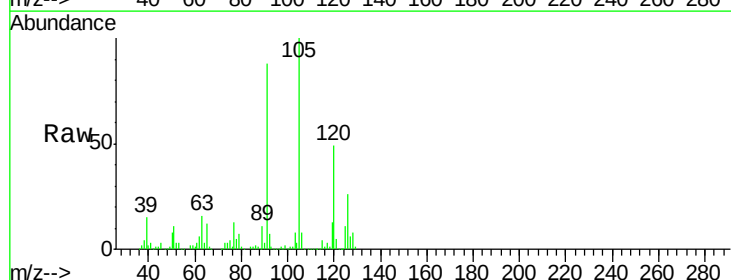
Acq: 31 May 2018 02:37

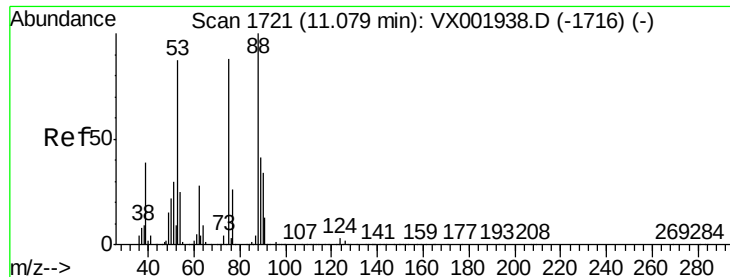
Tgt Ion: 105 Resp: 234806

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4





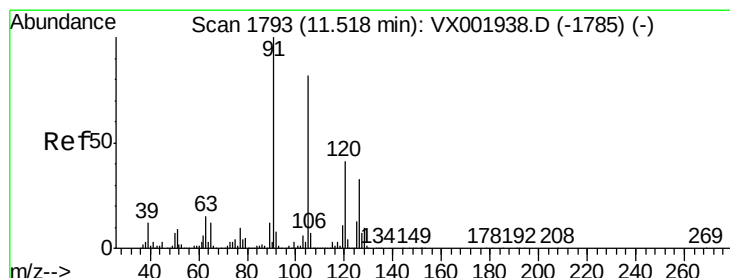
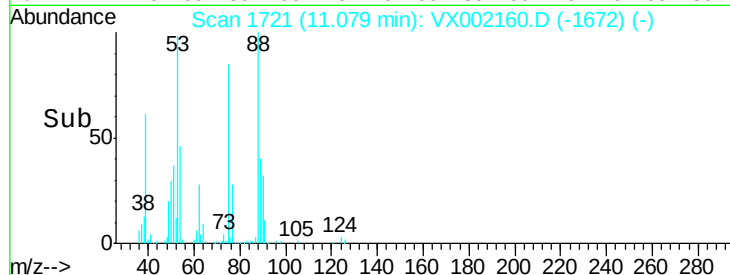
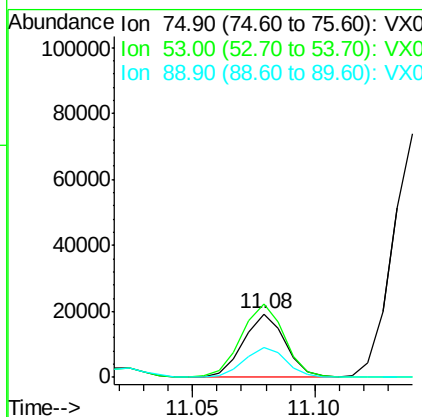
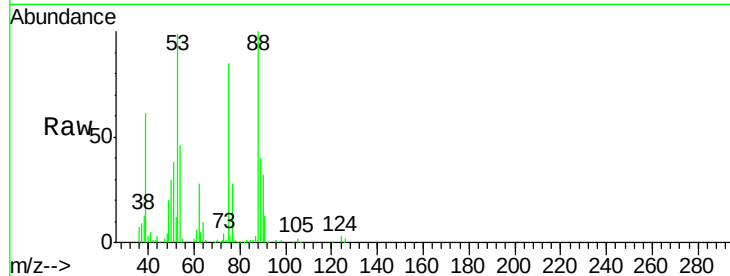
#81
trans-1,4-Dichloro-2-butene
Concen: 12.80 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.1	78.0	117.0#
89	47.5	39.4	59.2

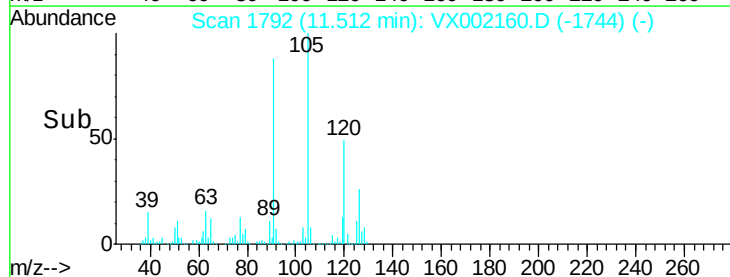
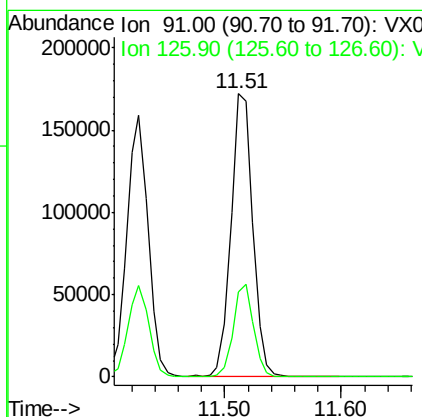
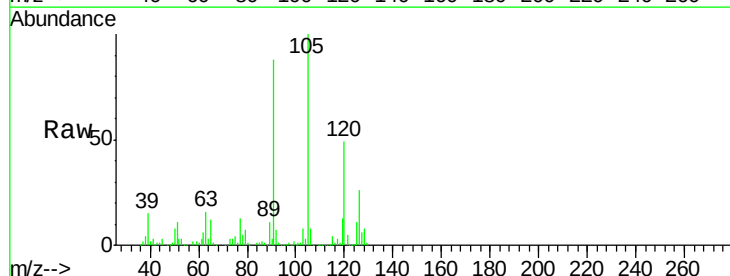
Manual Integrations
APPROVED

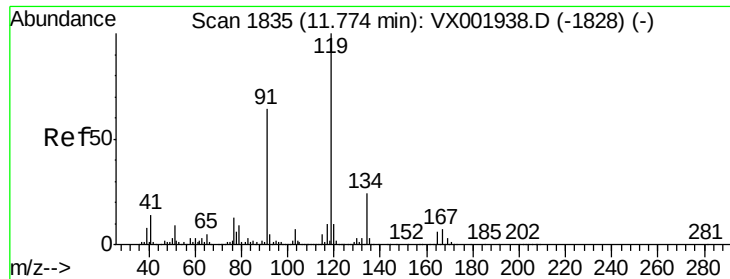
MMDadoda
5/31/2018 3:07:49 PM



#82
4-Chlorotoluene
Concen: 18.82 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.8





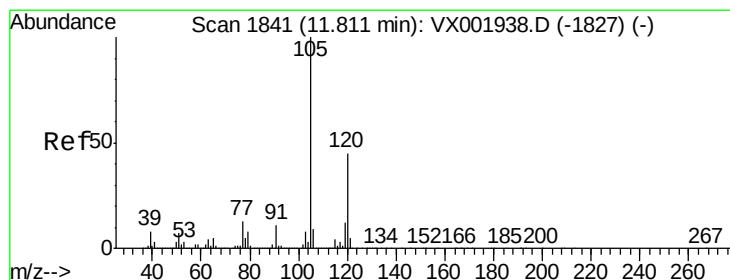
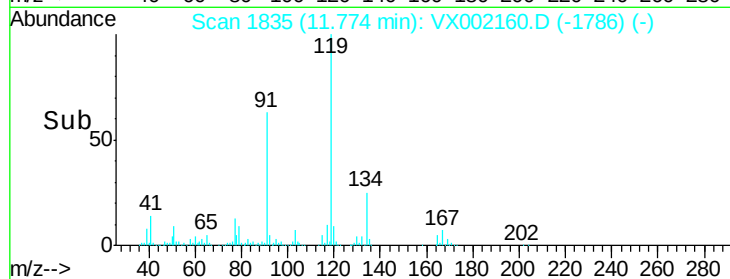
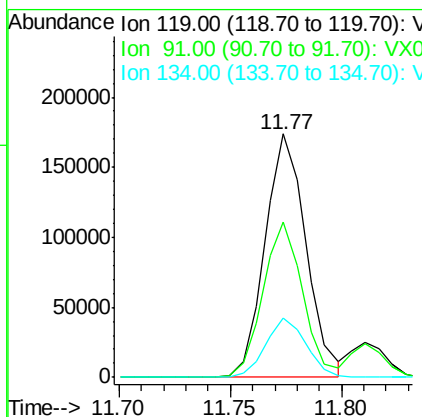
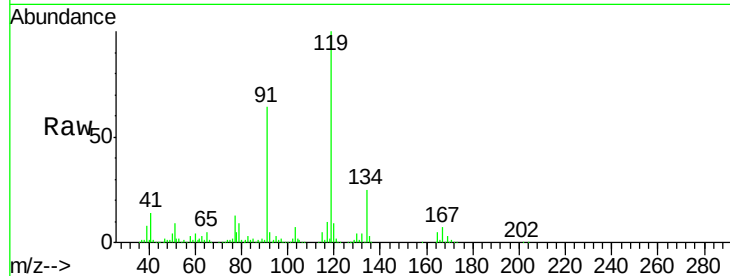
#83
 tert-Butylbenzene
 Concen: 17.52 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.6	91.8
134	24.2	11.7	35.0

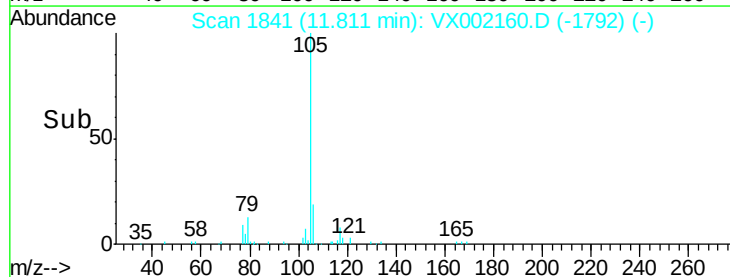
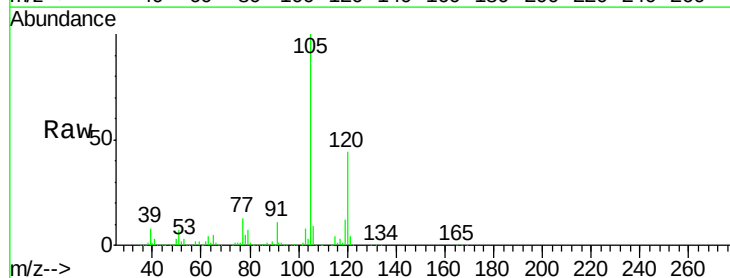
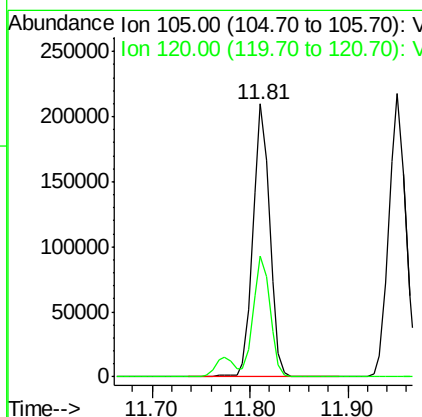
Manual Integrations
 APPROVED

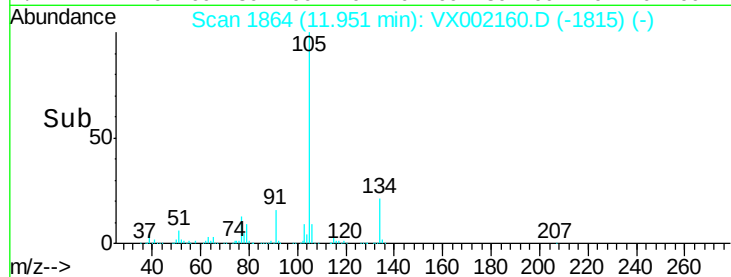
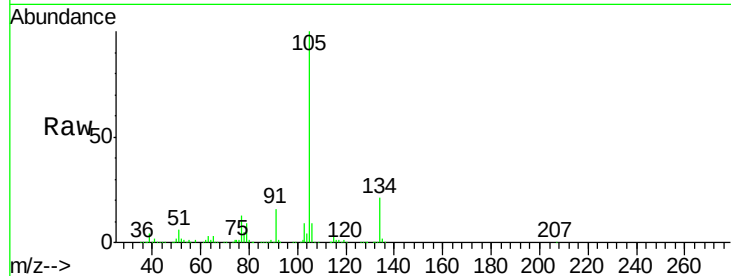
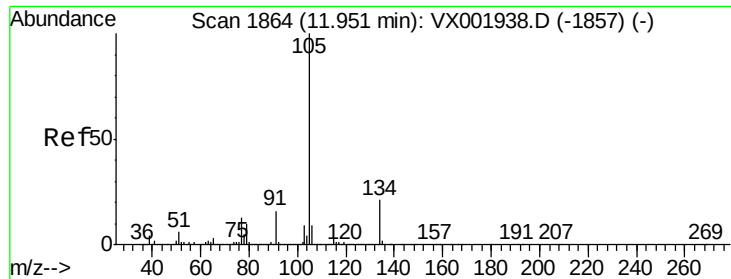
MMDadoda
 5/31/2018 3:07:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.73 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 17.09 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4

Instrument :

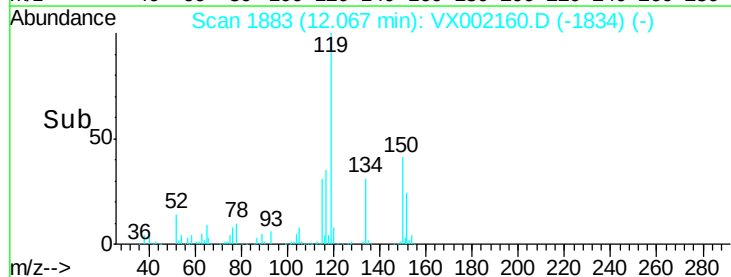
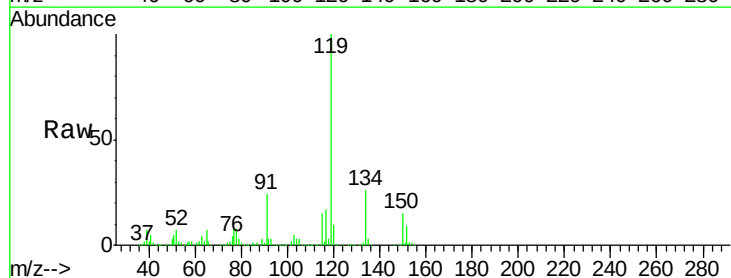
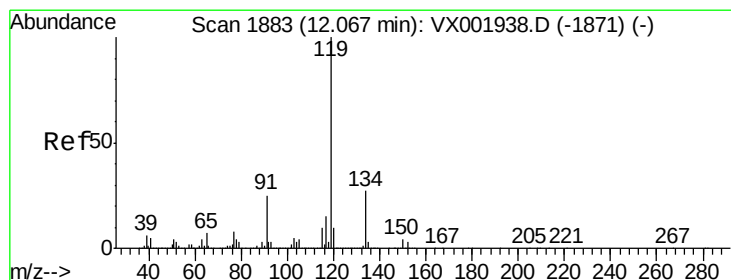
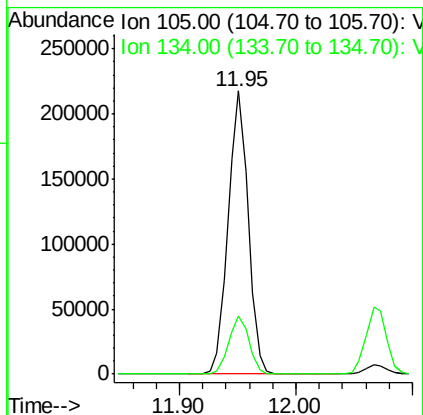
MSVOA_X

ClientSampled :

VX0530WBS03

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#86

p-Isopropyltoluene

Concen: 17.37 ug/l

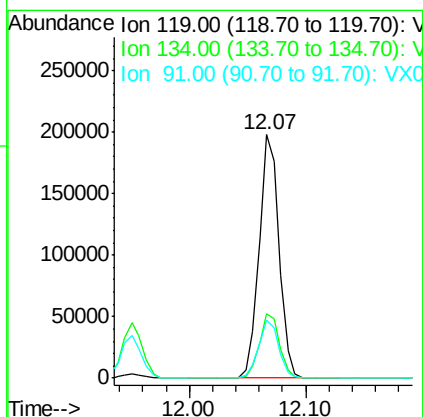
RT: 12.07 min Scan# 1883

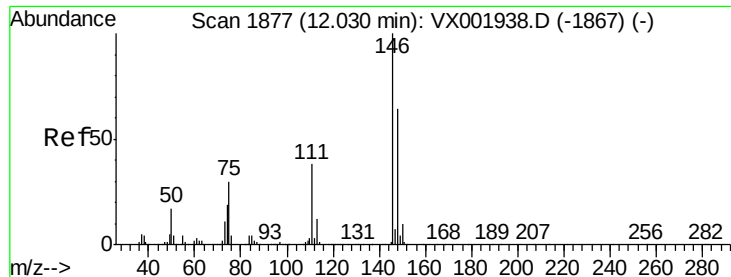
Delta R.T. -0.00 min

Lab File: VX002160.D

Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.8
91	24.1	12.2	36.4





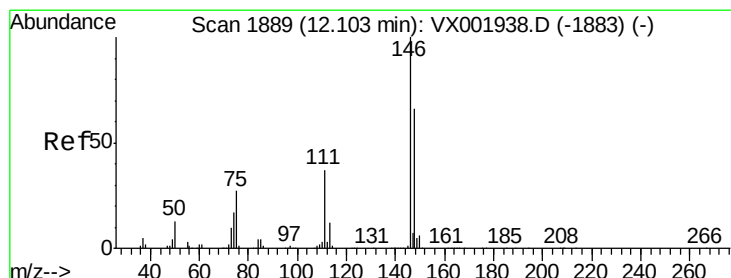
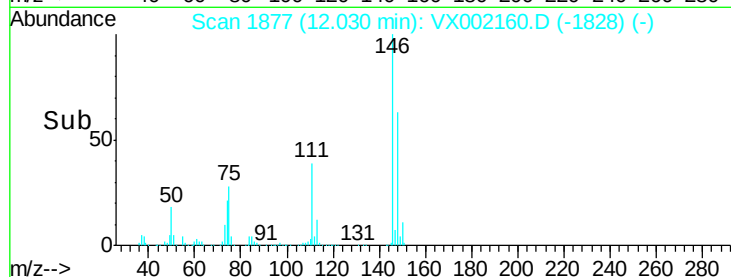
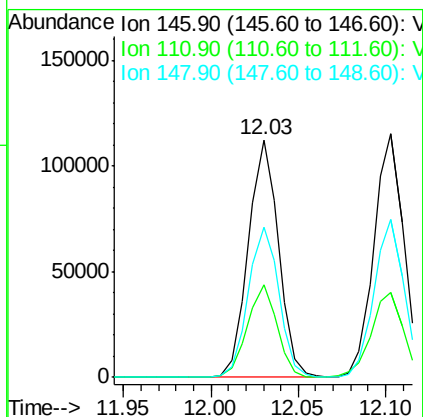
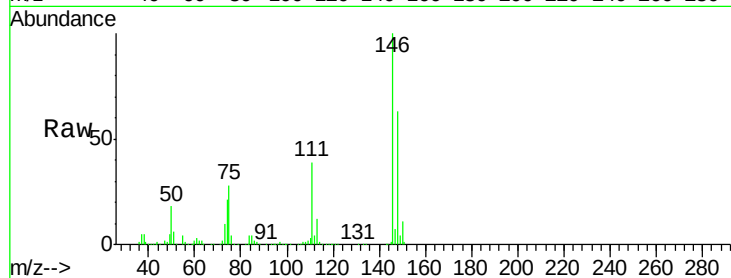
#87
 1,3-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	64.5	32.1	96.3

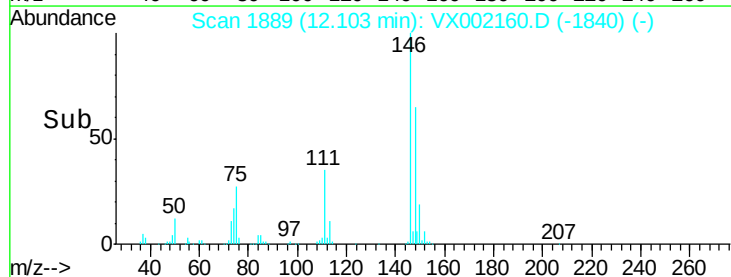
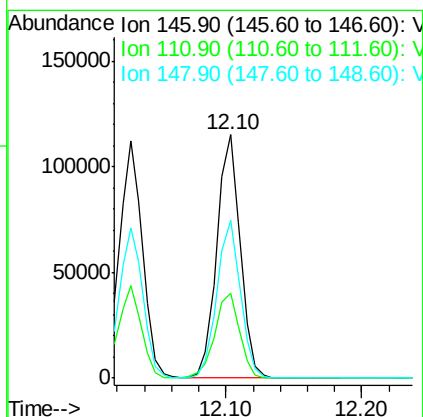
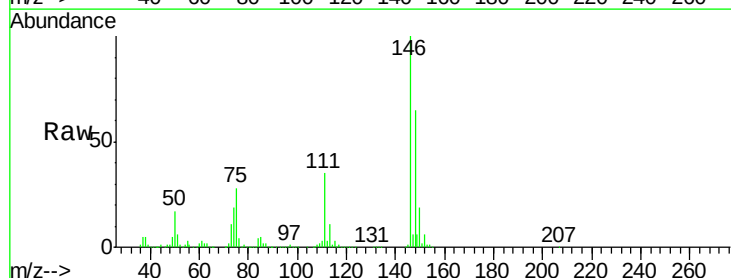
Manual Integrations
 APPROVED

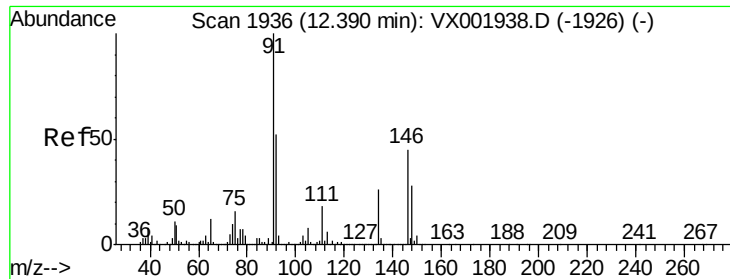
MMDadoda
 5/31/2018 3:07:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.18 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	65.4	32.3	96.8





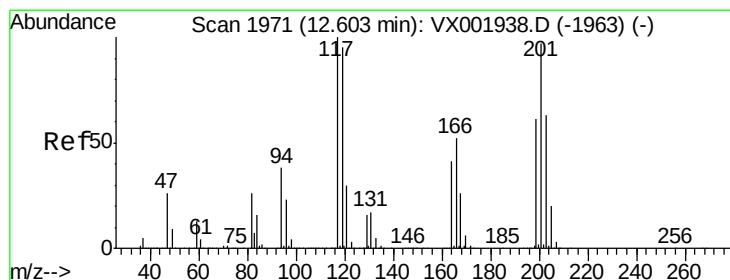
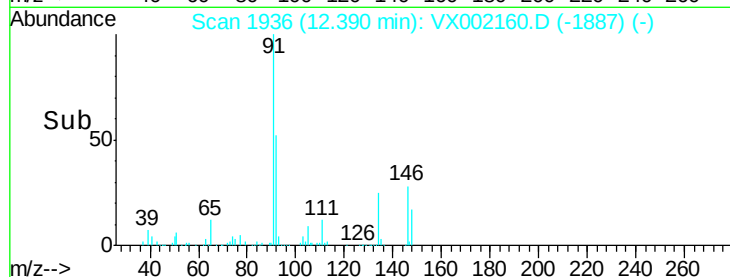
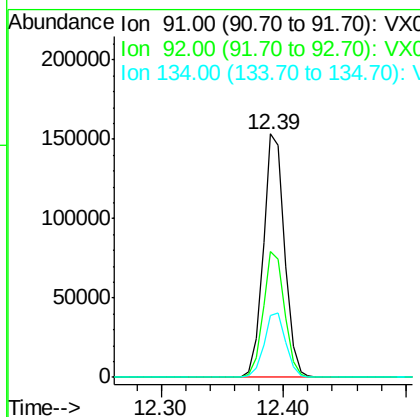
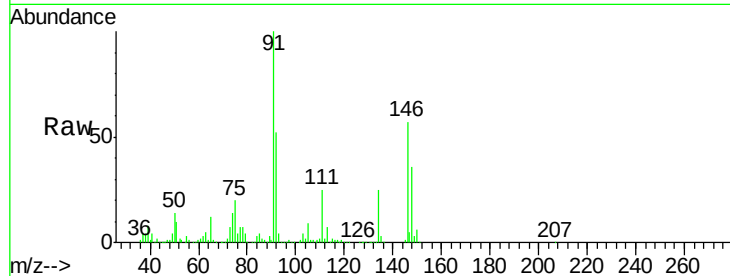
#89
n-Butylbenzene
Concen: 16.07 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	26.9	13.6	40.7

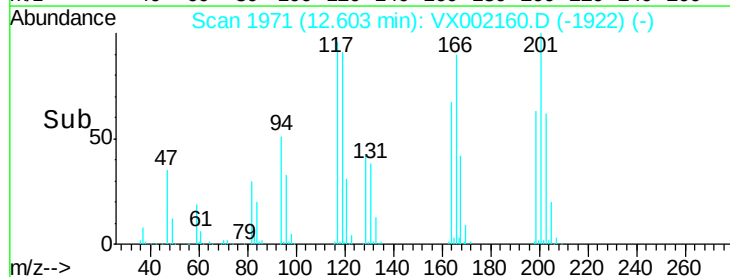
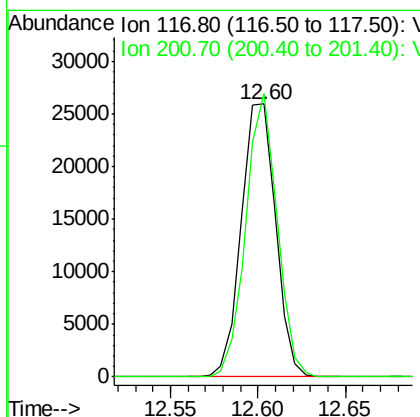
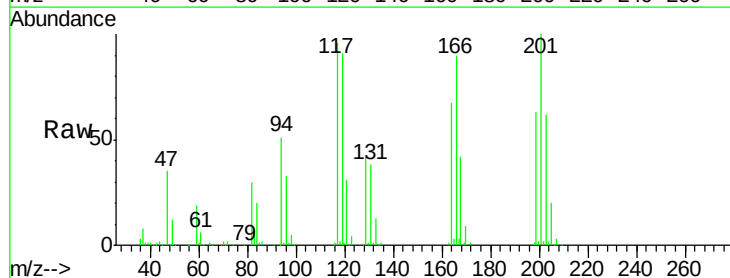
Manual Integrations
APPROVED

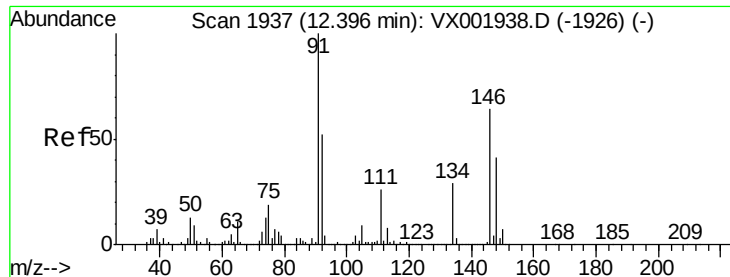
MMDadoda
5/31/2018 3:07:49 PM



#90
Hexachloroethane
Concen: 13.31 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	48.0	144.0





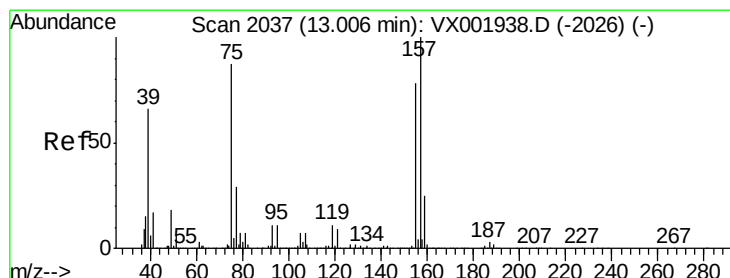
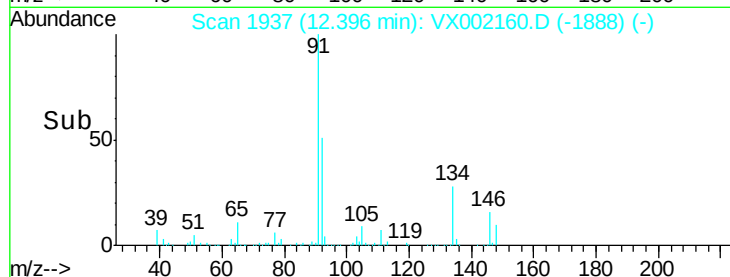
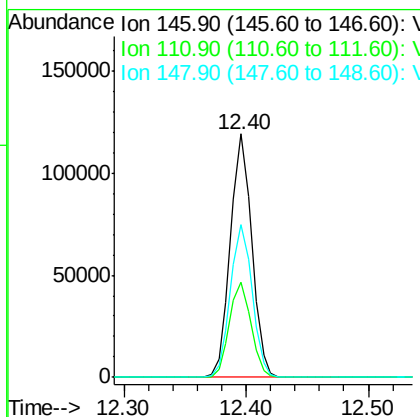
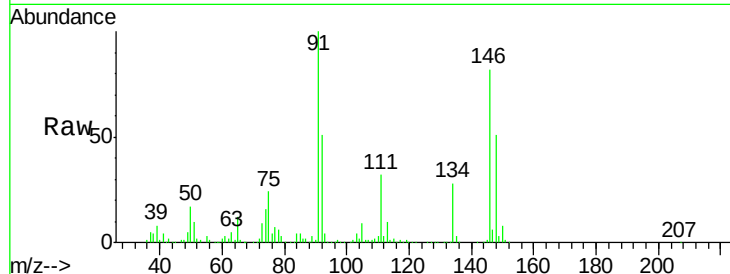
#91
 1,2-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143983		
111	39.4	19.8	59.3	
148	63.8	32.1	96.5	

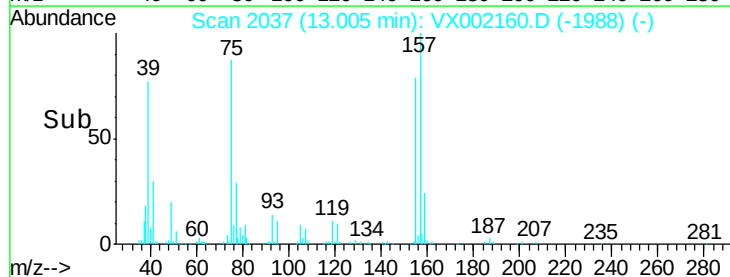
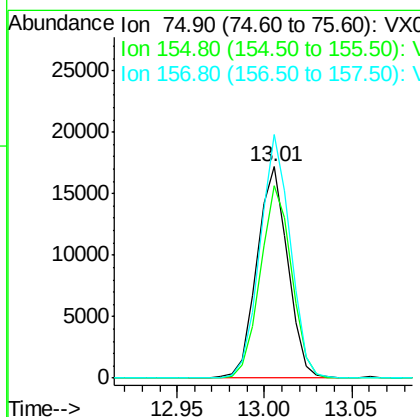
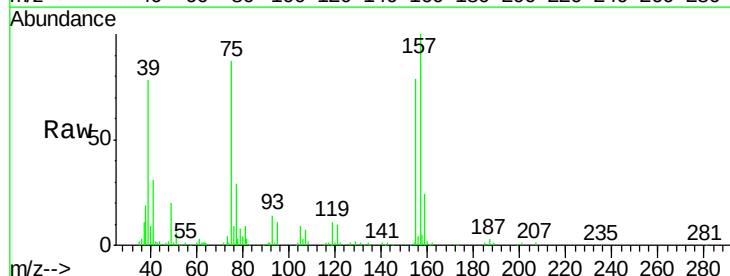
Manual Integrations
 APPROVED

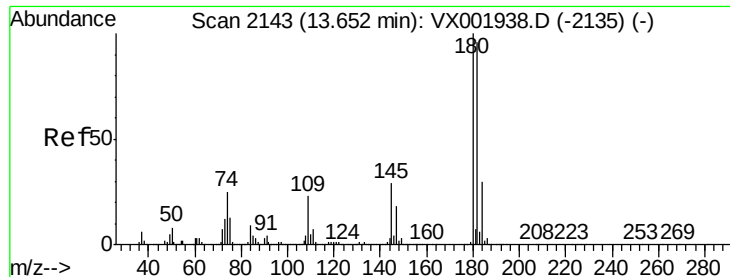
MMDadoda
 5/31/2018 3:07:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.69 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21065		
155	92.2	45.1	135.2	
157	113.2	58.1	174.2	





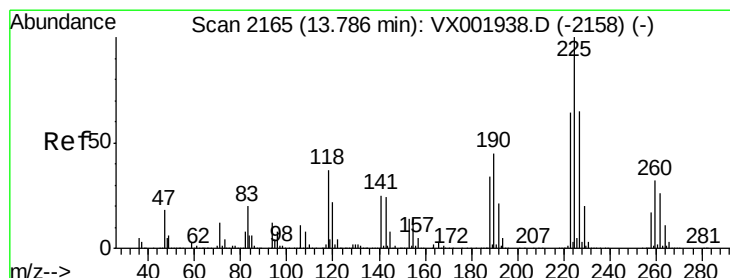
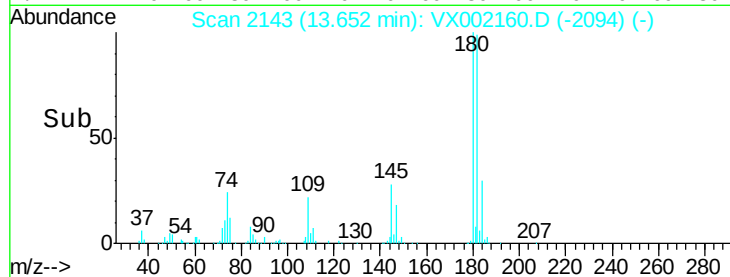
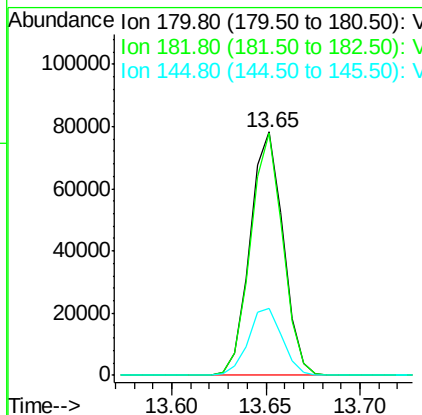
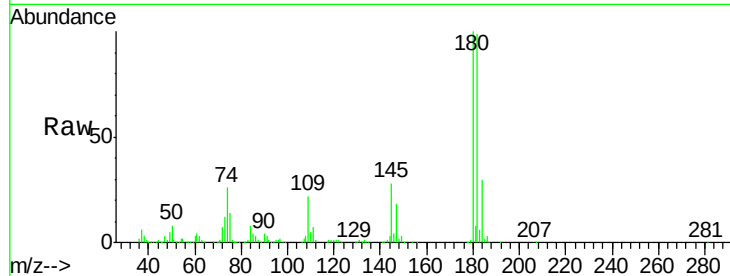
#93
 1,2,4-Trichlorobenzene
 Concen: 18.22 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.7	143.1
145	28.5	14.4	43.0

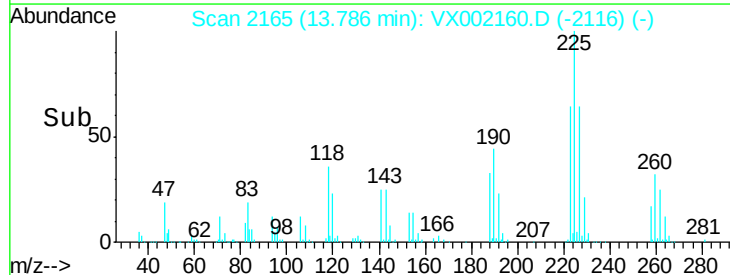
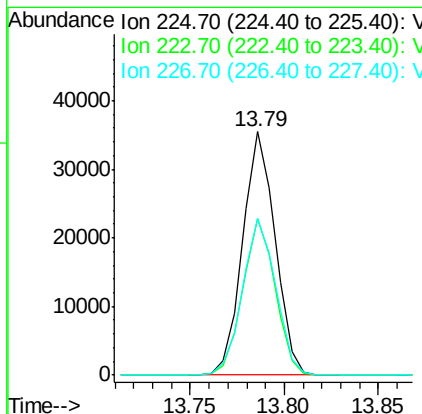
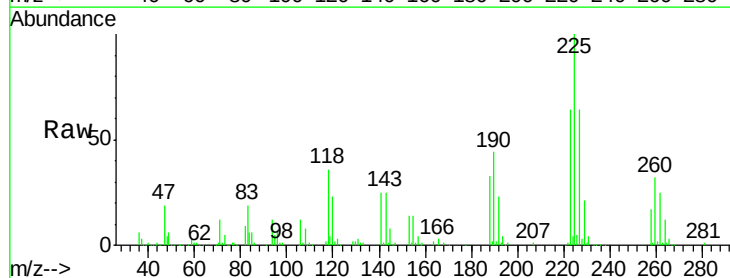
Manual Integrations
 APPROVED

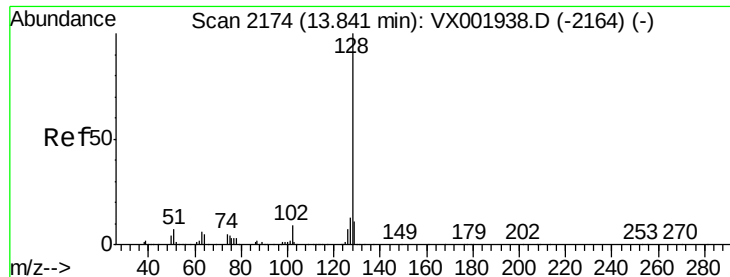
MMDadoda
 5/31/2018 3:07:49 PM



#94
 Hexachlorobutadiene
 Concen: 15.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002160.D
 Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.5
227	65.6	32.1	96.5





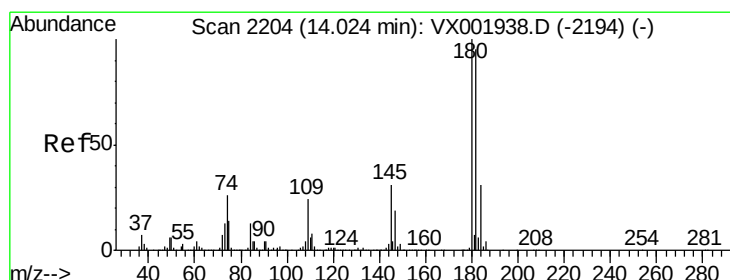
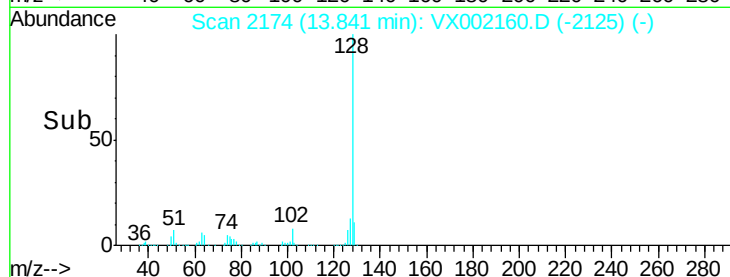
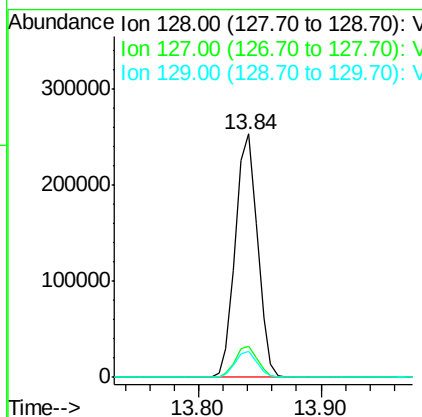
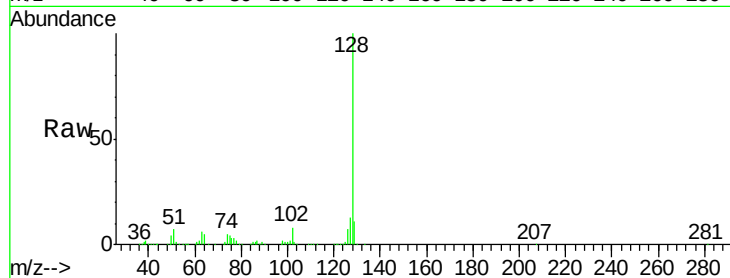
#95
Naphthalene
Concen: 19.63 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	316250		
127	12.9		10.4	15.6
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.89 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002160.D
Acq: 31 May 2018 02:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102168		
182	94.9		47.9	143.6
145	30.1		15.1	45.3

