

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002684.D
 Acq On : 18 Jun 2018 17:28
 Operator : JC/MD
 Sample : VX0618WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:31 PM

Quant Time: Jun 19 05:28:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	47666	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	270741	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	253931	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	111351	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	11.14	95	123953	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	8.72	98	335484	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	44612	19.61	ug/l	99
3) Chloromethane	1.32	50	49865	20.19	ug/l	97
4) Vinyl Chloride	1.40	62	55980	20.34	ug/l	97
5) Bromomethane	1.64	94	35579	22.13	ug/l	99
6) Chloroethane	1.72	64	36542	19.74	ug/l	96
7) Trichlorofluoromethane	1.93	101	100486	20.54	ug/l	98
8) Diethyl Ether	2.19	74	35663	20.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57773	20.64	ug/l	98
10) 1,1-Dichloroethene	2.37	96	49654	20.15	ug/l	97
11) Methyl Iodide	2.51	142	37056	13.06	ug/l	99
12) Methyl Acetate	2.78	43	83401	20.86	ug/l	96
13) Acrolein	2.29	56	23877	83.98	ug/l	100
14) Acrylonitrile	3.15	53	159844	106.27	ug/l	100
15) Acetone	2.45	58	46113	110.30	ug/l	95
16) Carbon Disulfide	2.57	76	116670	18.91	ug/l	100
17) Allyl chloride	2.73	41	99148	20.22	ug/l	93
18) Methylene Chloride	2.86	84	57143	20.26	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	54551	20.64	ug/l	99
20) Diisopropyl ether	3.87	45	195999	21.45	ug/l	95
21) 1,1-Dichloroethane	3.70	63	106106	21.60	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	57720	20.32	ug/l #	77
23) tert-Butyl Alcohol	3.07	59	72594	106.31	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	191774	20.84	ug/l	100
25) Chloroform	5.21	83	99997	20.28	ug/l	98
26) Cyclohexane	5.57	56	82605	19.79	ug/l #	95
29) 1,1-Dichloropropene	5.80	75	70699	19.34	ug/l	98
30) 2-Butanone	4.71	43	218108	104.25	ug/l	98
31) 2,2-Dichloropropane	4.59	77	76828	19.66	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	85811	19.43	ug/l	99
33) Carbon Tetrachloride	5.78	117	75062	18.91	ug/l	99
34) Benzene	6.15	78	211672	19.55	ug/l	98
35) Methacrylonitrile	5.07	41	47066	20.66	ug/l	95
36) 1,2-Dichloroethane	6.20	62	83267	19.59	ug/l	99
37) Trichloroethene	7.21	130	61432	19.37	ug/l	94
38) Methylcyclohexane	7.46	83	86405	19.42	ug/l	99
39) 1,2-Dichloropropane	7.52	63	56218	19.90	ug/l	95
40) Dibromomethane	7.67	93	39088	19.92	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002684.D
 Acq On : 18 Jun 2018 17:28
 Operator : JC/MD
 Sample : VX0618WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:31 PM

Quant Time: Jun 19 05:28:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	69976	18.98	ug/l	98
42) Vinyl Acetate	3.82	43	848541	106.94	ug/l	99
43) Ethyl Acetate	4.87	43	81803	20.44	ug/l	98
44) Isopropyl Acetate	6.47	43	131497	19.61	ug/l	100
45) 1,4-Dioxane	7.76	88	27689	421.58	ug/l #	86
46) Methyl methacrylate	7.78	41	68003	19.85	ug/l	98
47) n-amyl Acetate	10.90	43	118263	18.69	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	82477	19.06	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	75968	18.80	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	57038	19.71	ug/l	98
51) Ethyl methacrylate	9.18	69	84911	19.43	ug/l	96
52) 1,3-Dichloropropane	9.38	76	93066	19.69	ug/l	98
53) Dibromochloromethane	9.59	129	56392	18.35	ug/l	99
54) 1,2-Dibromoethane	9.68	107	59802	19.61	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	199711	96.24	ug/l	99
56) Bromoform	10.86	173	43480	17.72	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	435589	101.03	ug/l	98
59) 2-Hexanone	9.50	43	336842	102.20	ug/l	98
61) Tetrachloroethene	9.34	164	69107	19.83	ug/l	98
62) Toluene	8.79	91	241926	19.77	ug/l	98
64) Chlorobenzene	10.14	112	161017	19.80	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	58462	19.61	ug/l	99
66) Ethyl Benzene	10.26	91	270621	19.63	ug/l	100
67) m/p-Xylenes	10.36	106	209845	39.17	ug/l	99
68) o-Xylene	10.70	106	100348	19.23	ug/l	98
69) Styrene	10.71	104	169625	19.48	ug/l	98
70) Isopropylbenzene	11.02	105	280894	19.52	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	84256	19.58	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	85393m	22.90	ug/l	
73) Bromobenzene	11.26	156	77209	19.29	ug/l	93
74) n-propylbenzene	11.37	91	324495	19.42	ug/l	99
75) 2-Chlorotoluene	11.43	91	193844	19.94	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	234826	19.22	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	21312	17.77	ug/l	72
78) 4-Chlorotoluene	11.51	91	224016	19.45	ug/l	99
79) tert-butylbenzene	12.07	119	261410	19.40	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	243568	19.52	ug/l	99
81) sec-Butylbenzene	11.95	105	290839	19.46	ug/l	100
82) p-Isopropyltoluene	12.07	119	261410	19.40	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	143137	19.43	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	143007	19.22	ug/l	99
85) n-Butylbenzene	12.39	91	228449	19.12	ug/l	99
86) Hexachloroethane	12.60	117	36400	17.82	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	142906	19.21	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	18140	18.87	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	108201	19.27	ug/l	99
90) Hexachlorobutadiene	13.79	225	58197	19.91	ug/l	99
91) Naphthalene	13.84	128	290166	19.50	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	108658	19.45	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
Data File : VX002684.D
Acq On : 18 Jun 2018 17:28
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

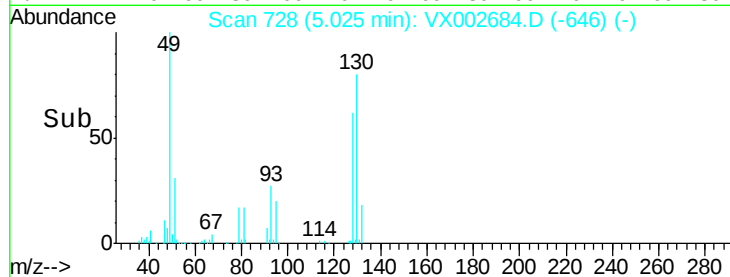
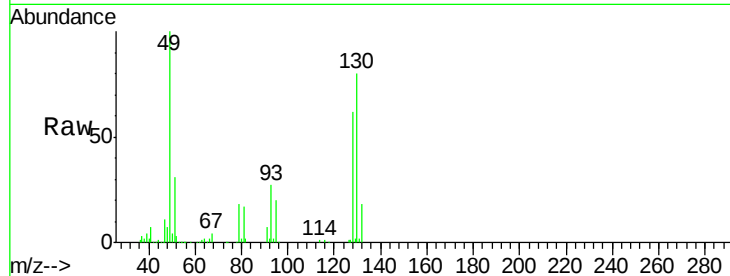
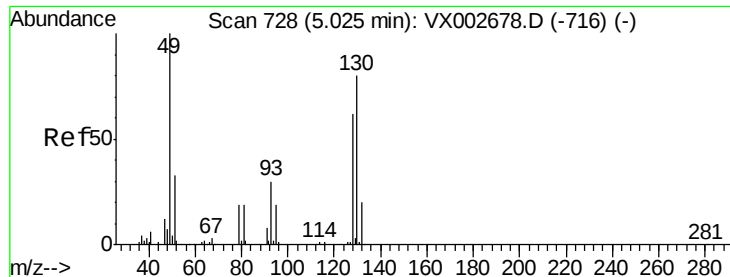
Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM

Quant Time: Jun 19 05:28:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



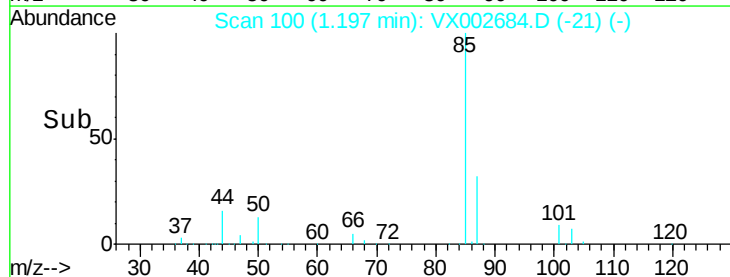
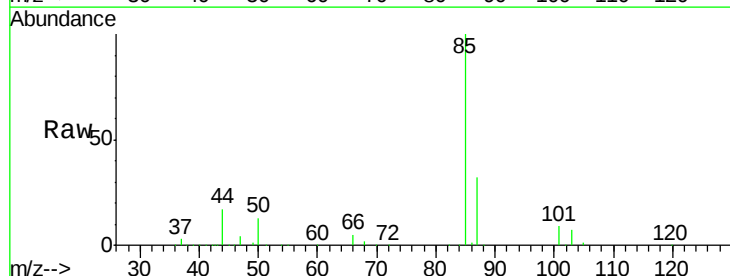
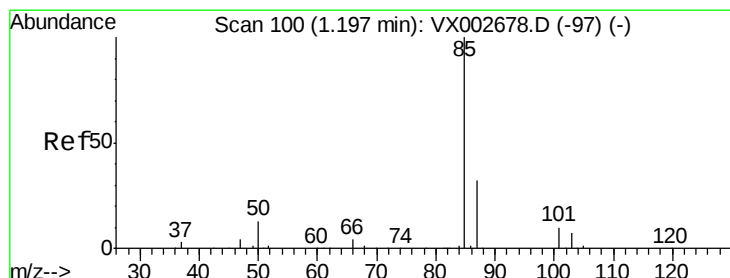
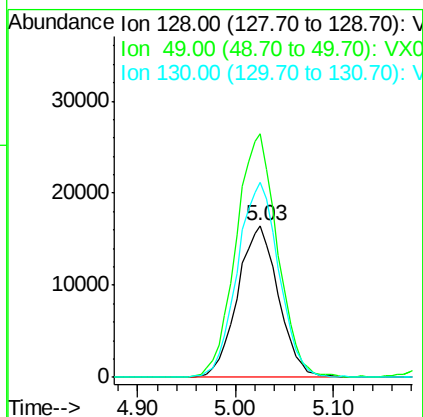
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tot Ion	Ratio	Lower	Upper
128	100		
49	163.3	0.0	423.0
130	131.0	0.0	324.3

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

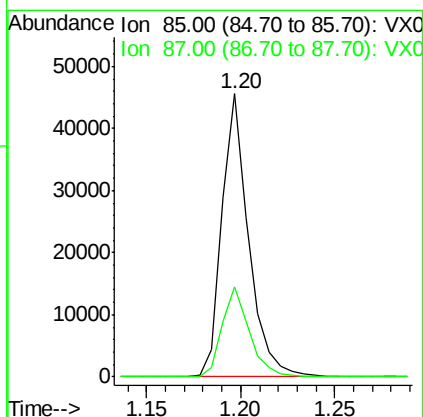
Manual Integrations
APPROVED

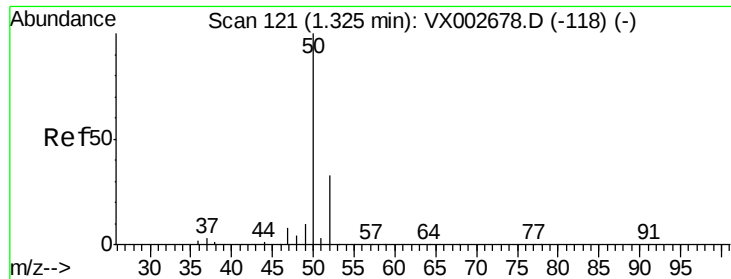
MMDadoda
6/19/2018 1:05:31 PM



#2
Dichlorodifluoromethane
Concen: 19.61 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.2	48.5





#3

Chloromethane

Concen: 20.19 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion: 50 Resp: 49865

Ion Ratio Lower Upper

50 100

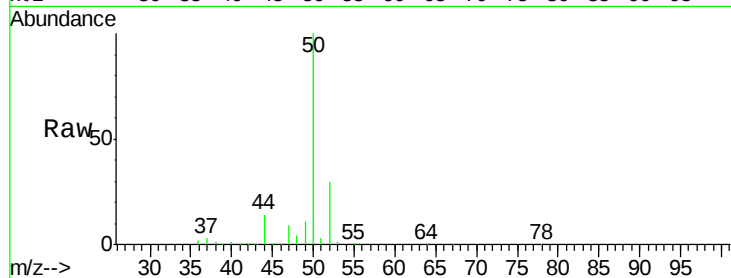
52 30.2 25.6 38.4

Manual Integrations

APPROVED

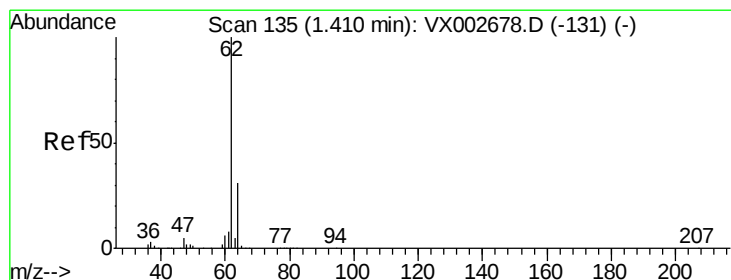
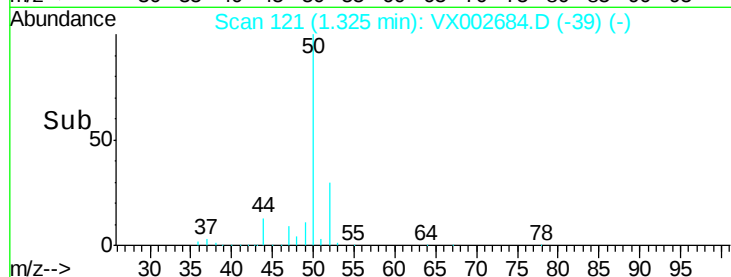
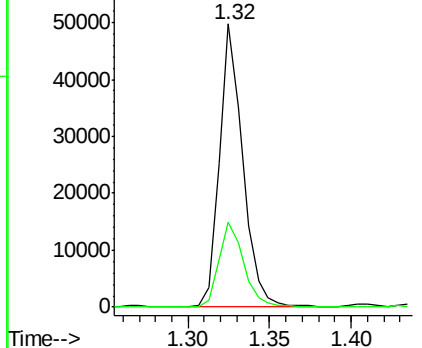
MMDadoda

6/19/2018 1:05:31 PM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.34 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002684.D

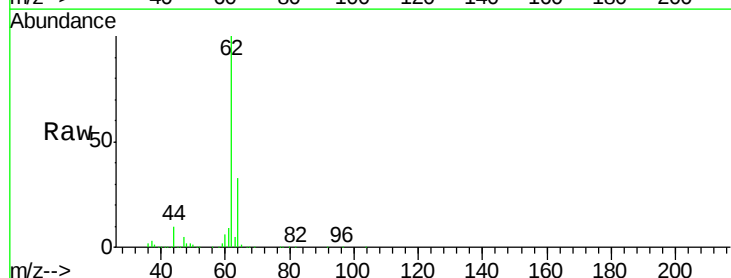
Acq: 18 Jun 2018 17:28

Tgt Ion: 62 Resp: 55980

Ion Ratio Lower Upper

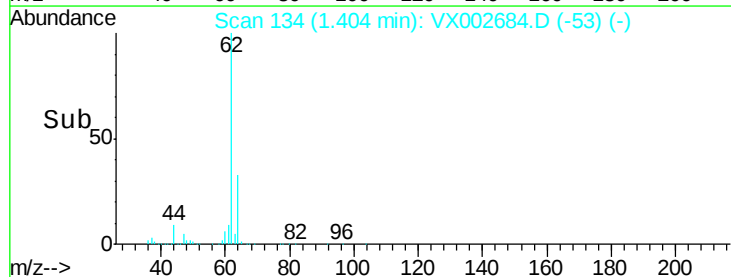
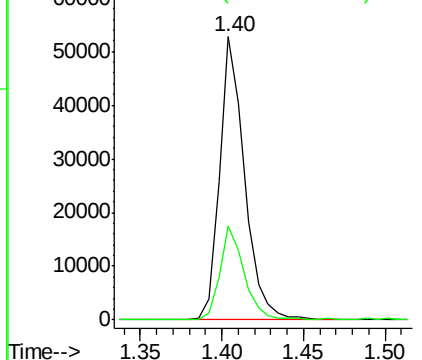
62 100

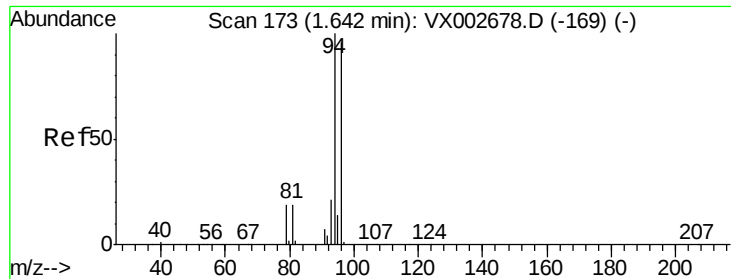
64 33.1 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 22.13 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 94 Resp: 35579

Ion Ratio Lower Upper

94 100

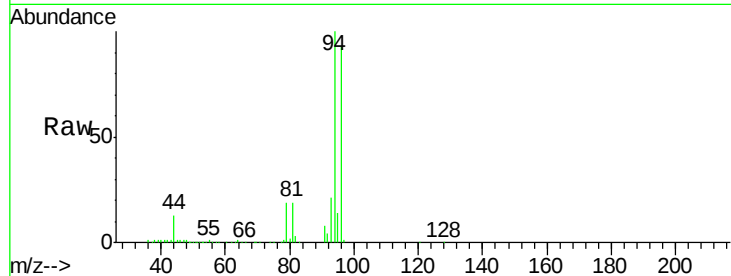
96 93.3 75.7 113.5

Manual Integrations

APPROVED

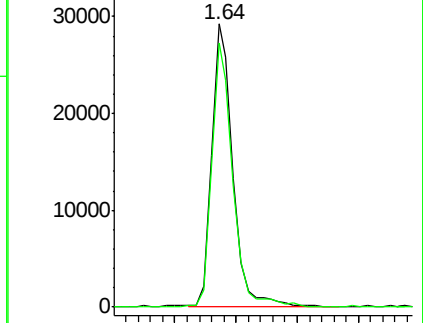
MMDadoda

6/19/2018 1:05:31 PM

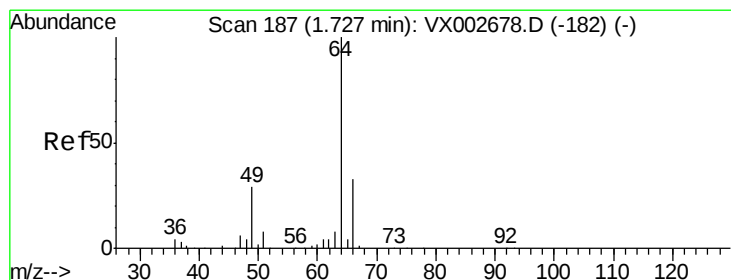
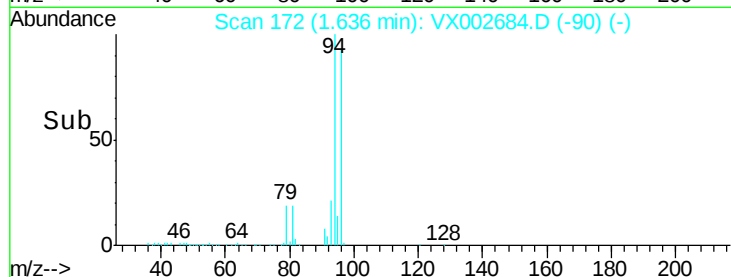


Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



Time-->



#6

Chloroethane

Concen: 19.74 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002684.D

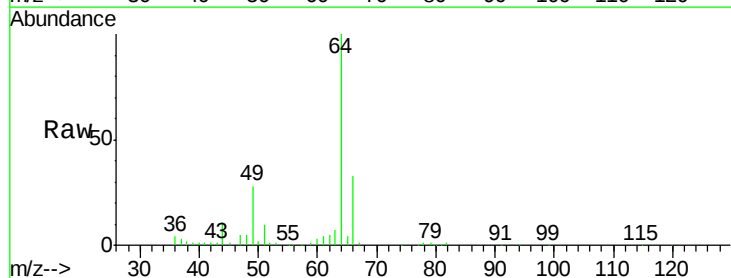
Acq: 18 Jun 2018 17:28

Tgt Ion: 64 Resp: 36542

Ion Ratio Lower Upper

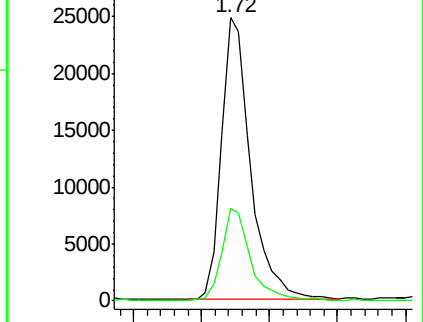
64 100

66 32.5 24.3 36.5

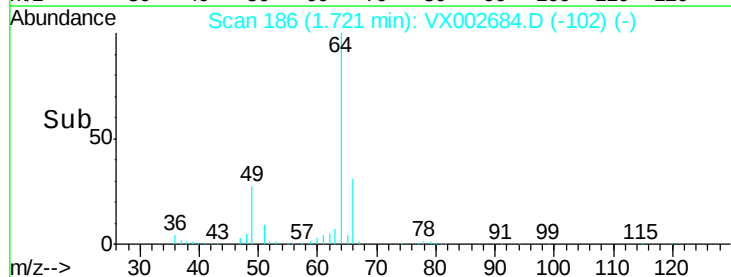


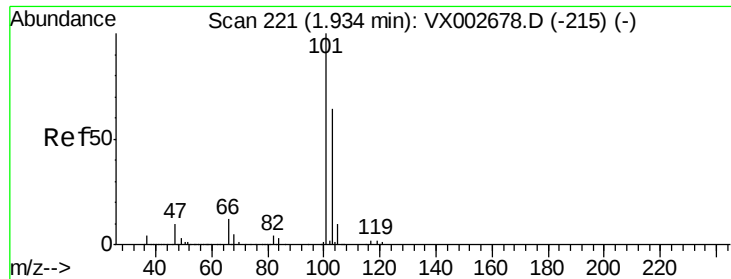
Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



Time-->





#7

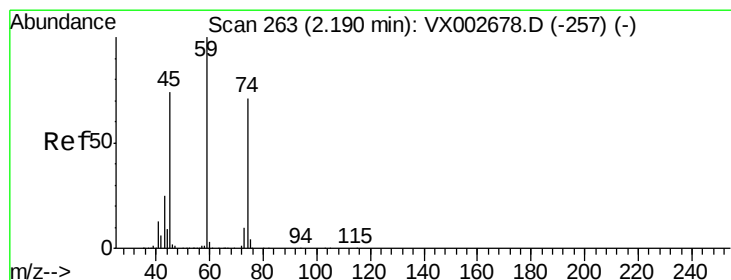
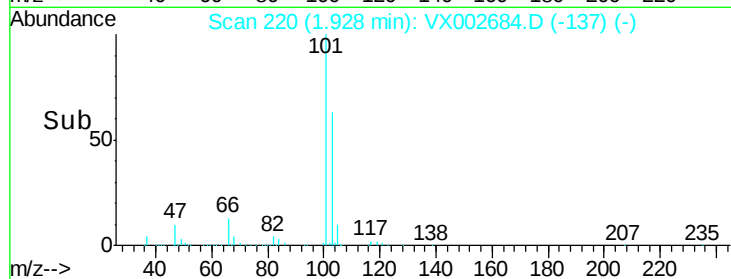
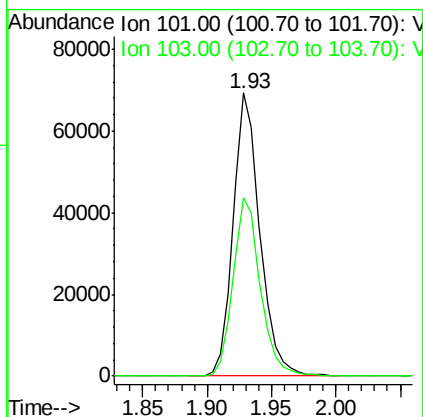
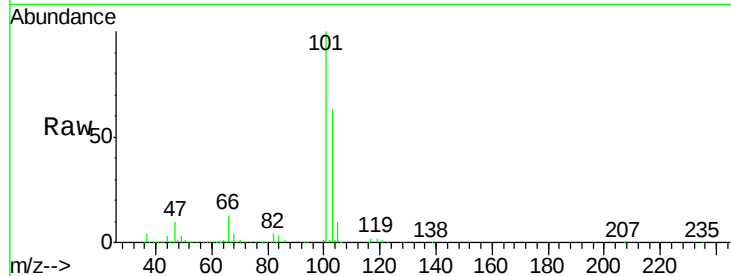
Trichlorofluoromethane
Concen: 20.54 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100486		
103	63.0	51.5	77.3	

Manual Integrations
APPROVED

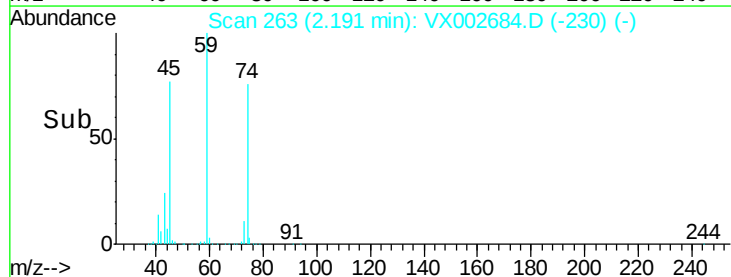
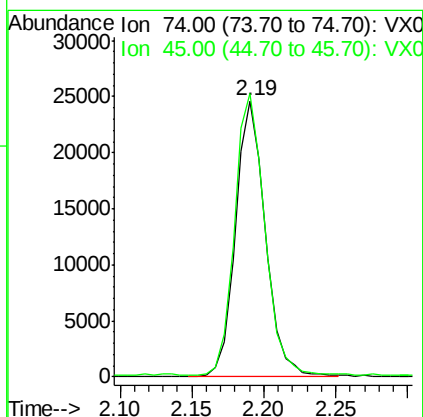
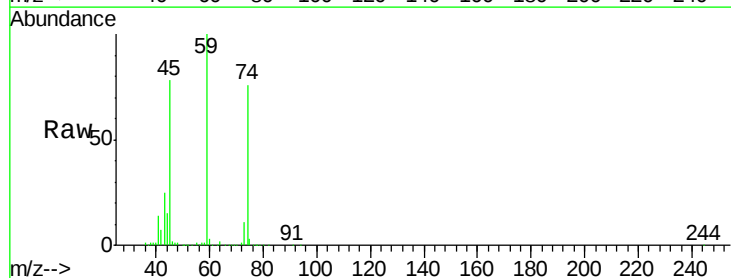
MMDadoda
6/19/2018 1:05:31 PM

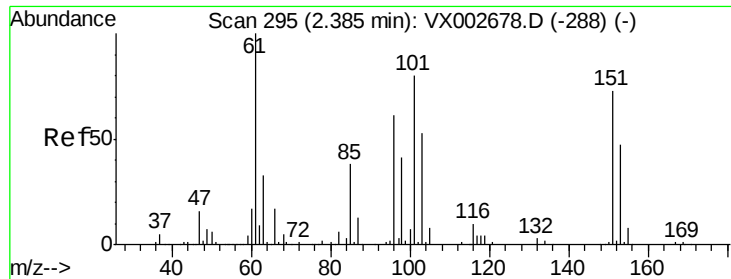


#8

Diethyl Ether
Concen: 20.45 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35663		
45	103.1	20.5	184.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.64 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

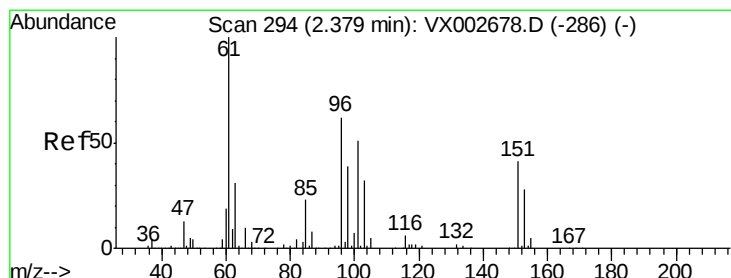
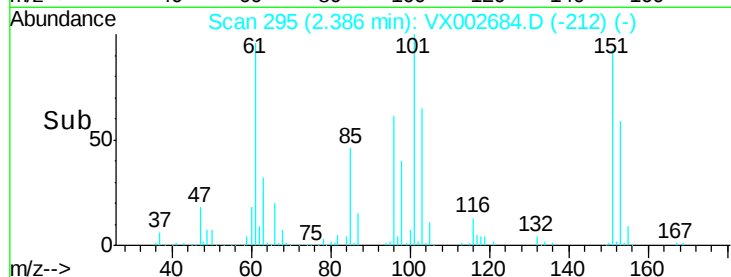
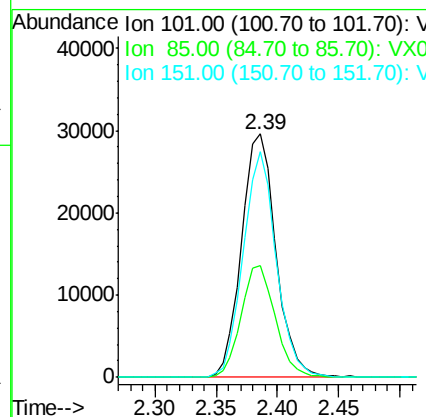
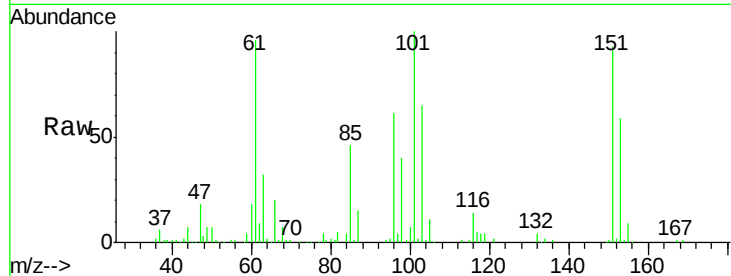
ClientSampleId :

VX0618WBS01

Tot Ion:	101	Resp:	57773
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	87.0
151	89.4	0.0	177.6

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#10

1,1-Dichloroethene

Concen: 20.15 ug/l

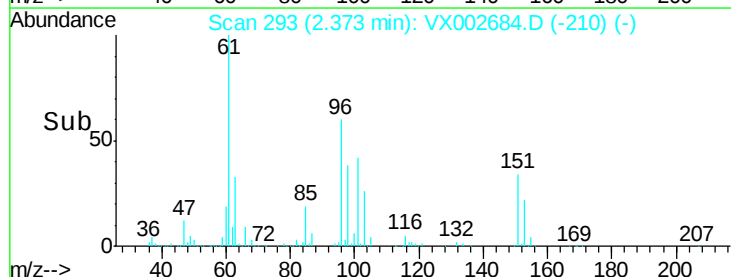
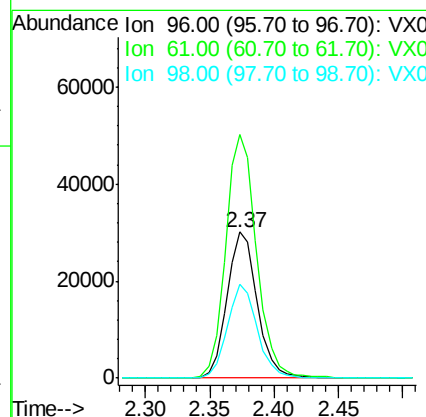
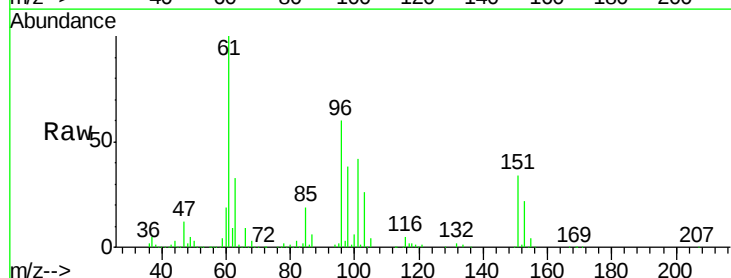
RT: 2.37 min Scan# 293

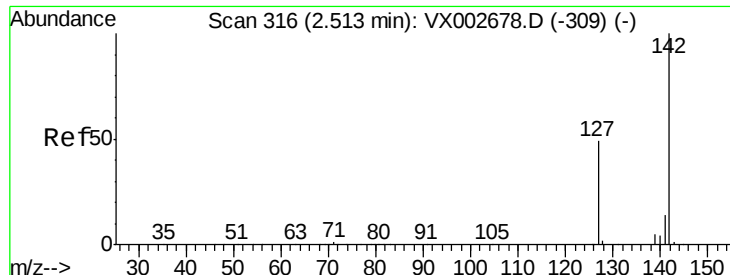
Delta R.T. 0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tgt Ion:	96	Resp:	49654
Ion Ratio	Lower	Upper	
96	100		
61	166.5	137.5	206.3
98	63.7	51.4	77.2





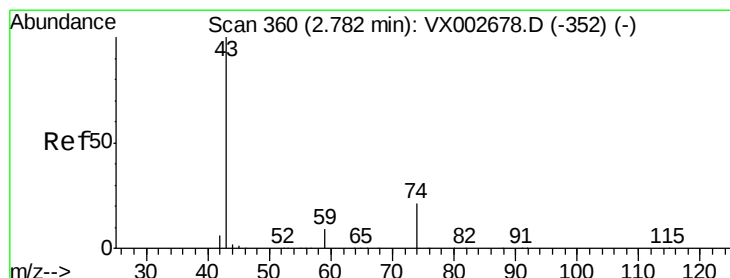
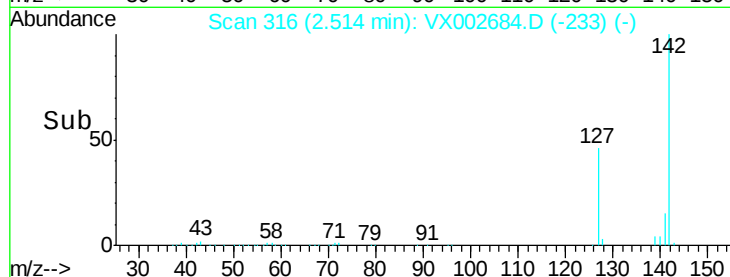
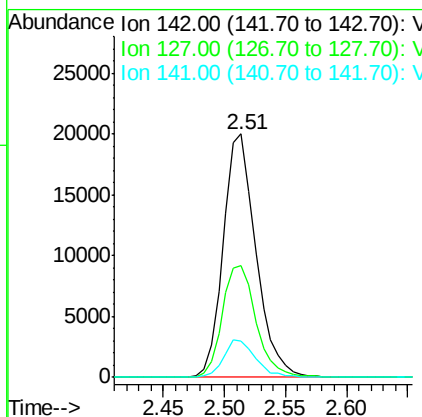
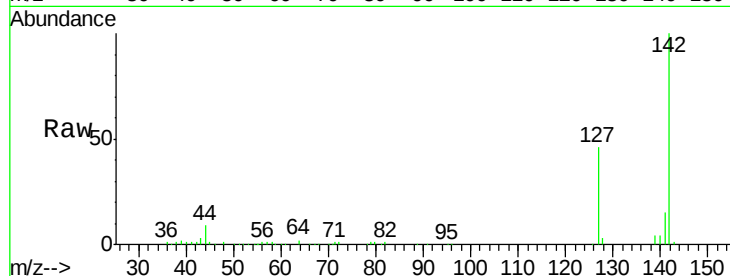
#11
Methvl Iodide
Concen: 13.06 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampled :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.7	23.2	69.6
141	14.8	7.4	22.2

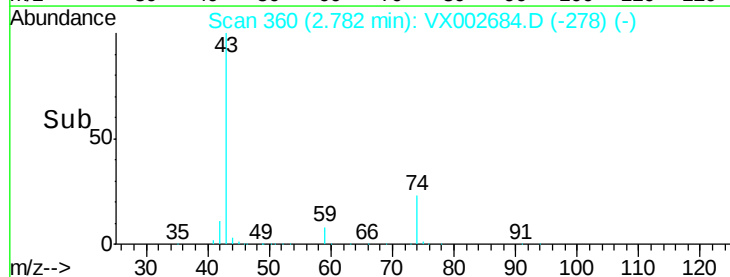
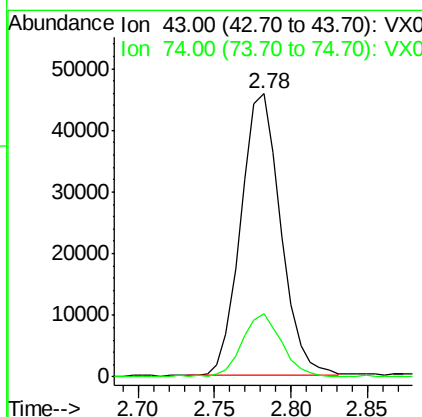
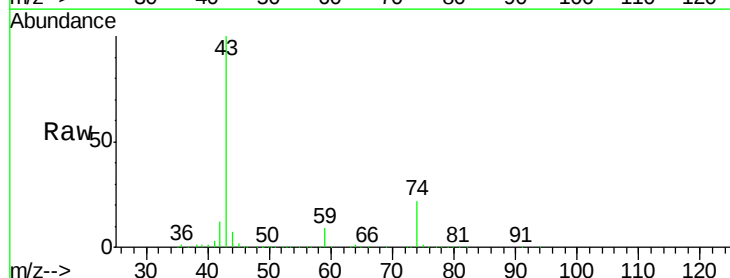
Manual Integrations
APPROVED

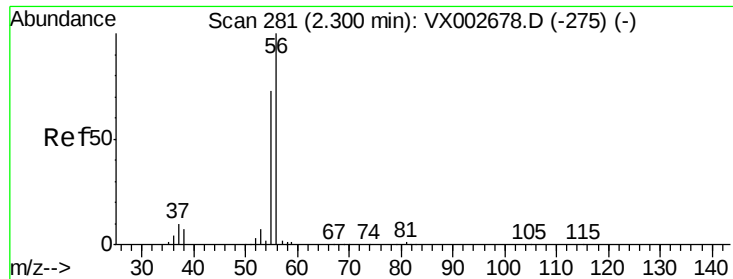
MMDadoda
6/19/2018 1:05:31 PM



#12
Methyl Acetate
Concen: 20.86 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.4	24.6





#13

Acrolein

Concen: 83.98 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 56 Resp: 23877

Ion Ratio Lower Upper

56 100

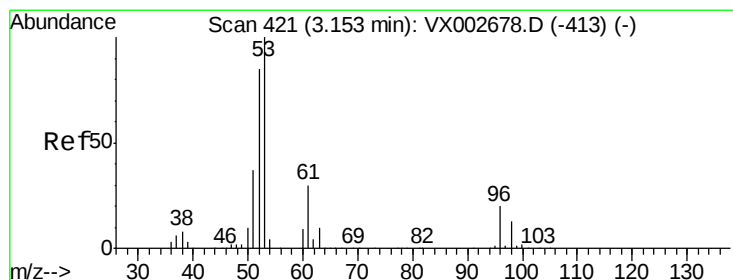
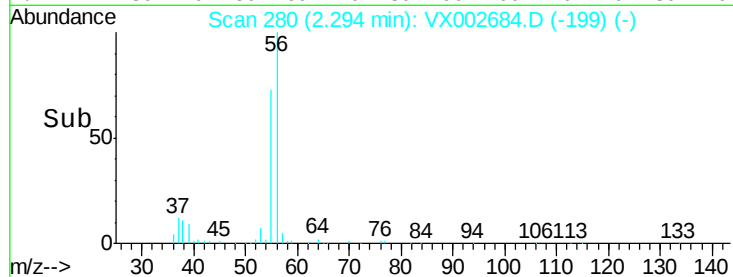
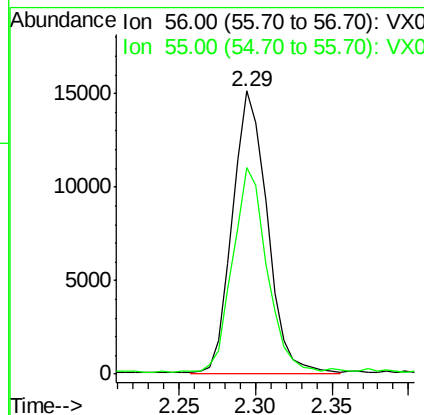
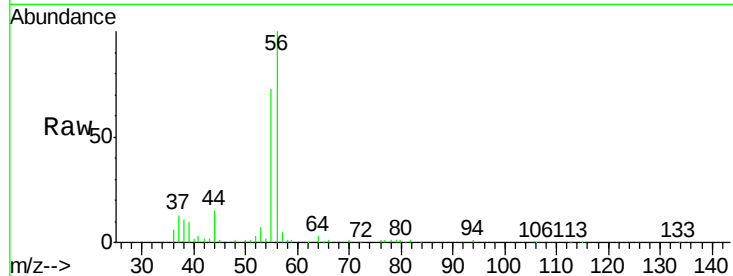
55 71.3 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:31 PM



#14

Acrylonitrile

Concen: 106.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

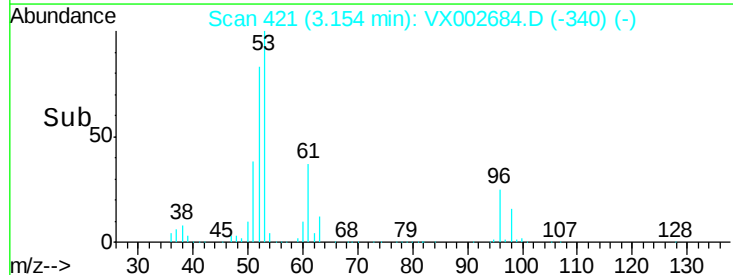
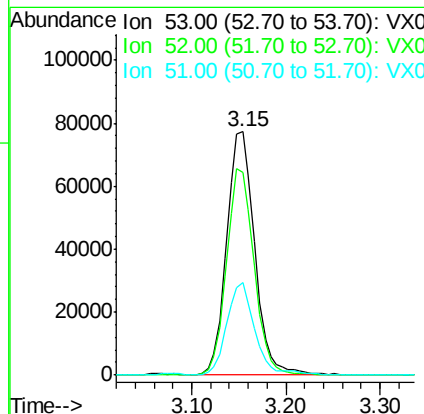
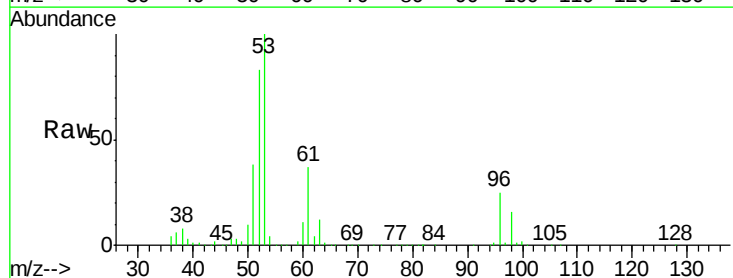
Tgt Ion: 53 Resp: 159844

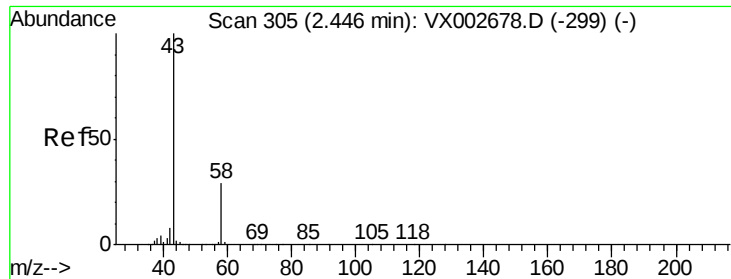
Ion Ratio Lower Upper

53 100

52 82.9 41.5 124.6

51 36.0 17.9 53.8





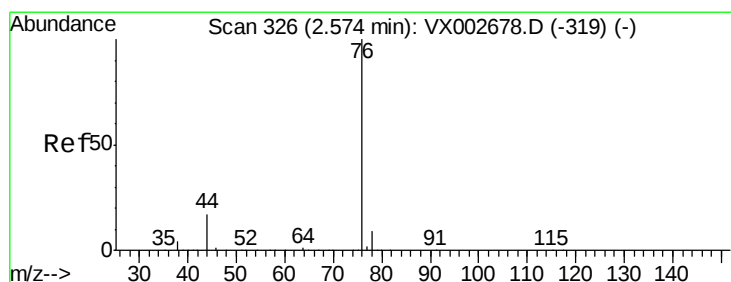
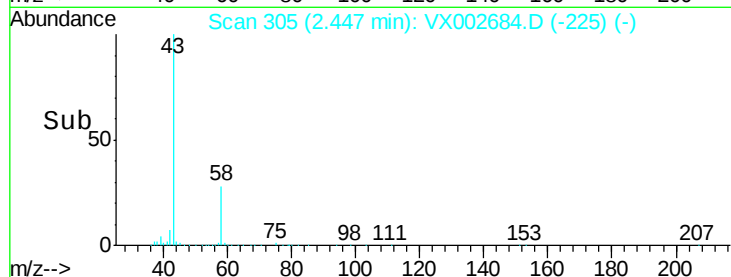
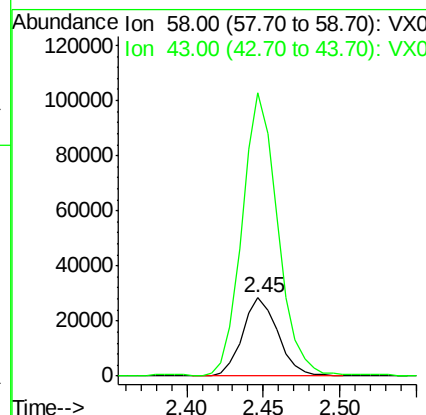
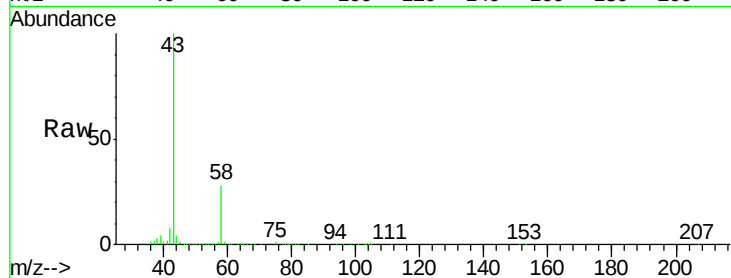
#15
Acetone
Concen: 110.30 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	58	Resp	46113
Ion Ratio	Lower	Upper	
58	100		
43	360.0	278.8	418.2

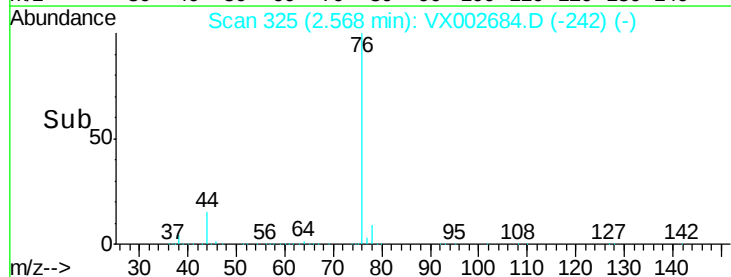
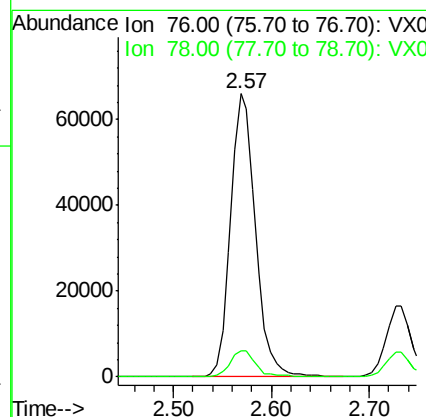
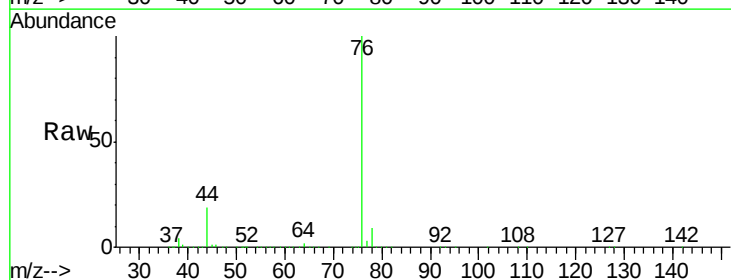
Manual Integrations
APPROVED

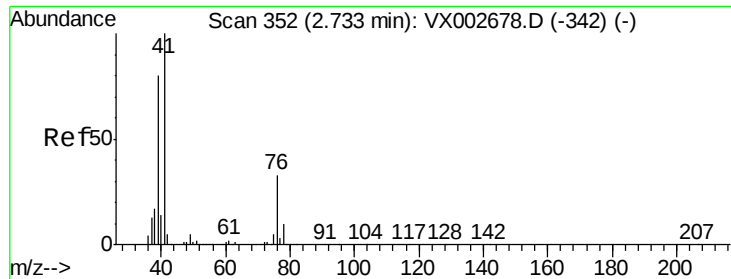
MMDadoda
6/19/2018 1:05:31 PM



#16
Carbon Disulfide
Concen: 18.91 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	76	Resp	116670
Ion Ratio	Lower	Upper	
76	100		
78	9.1	7.4	11.0





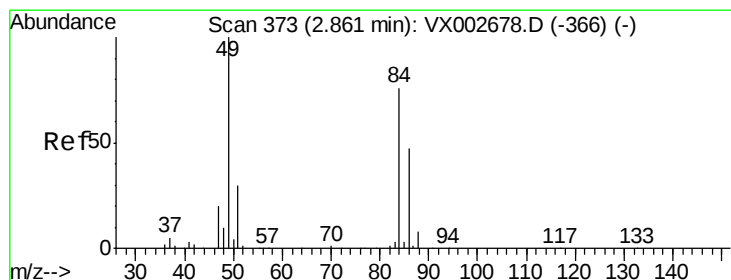
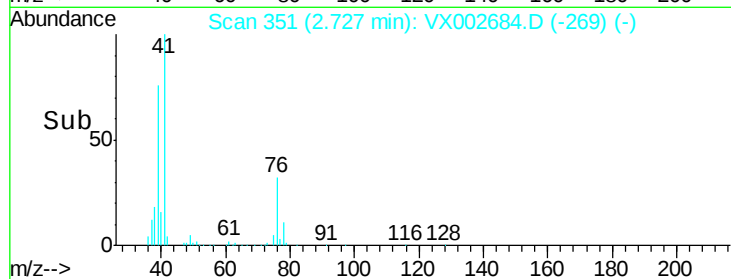
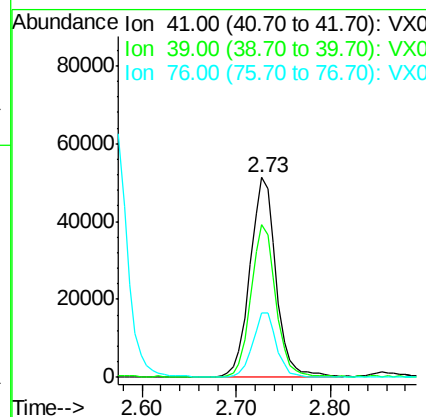
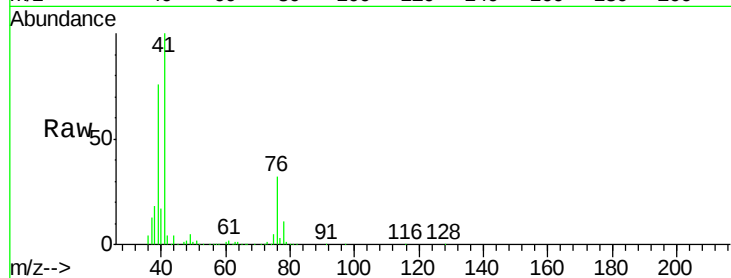
#17
Allvl chloride
Concen: 20.22 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.0	34.6	103.8
76	31.9	15.0	45.1

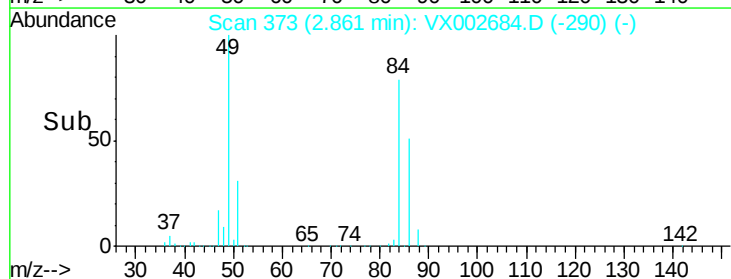
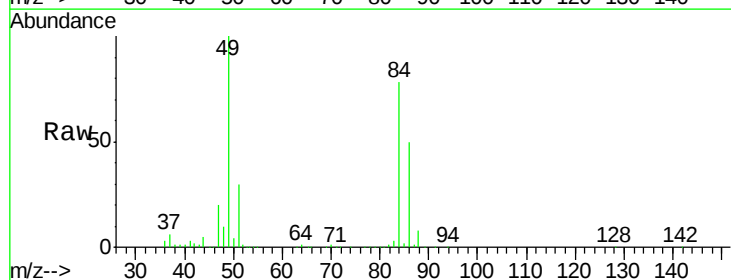
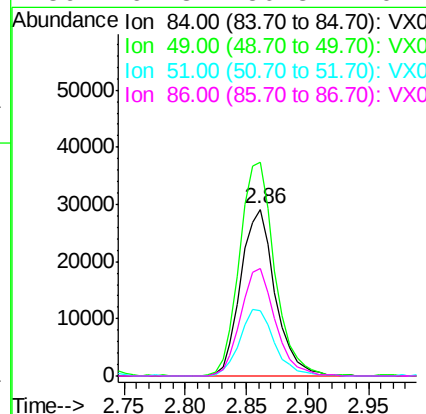
Manual Integrations
APPROVED

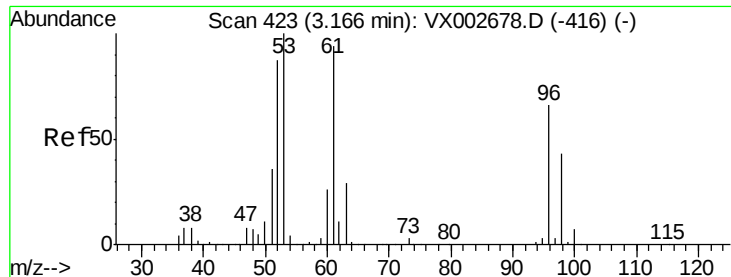
MMDadoda
6/19/2018 1:05:31 PM



#18
Methylene Chloride
Concen: 20.26 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.3	104.7	157.1
51	38.8	31.0	46.4
86	64.3	50.8	76.2





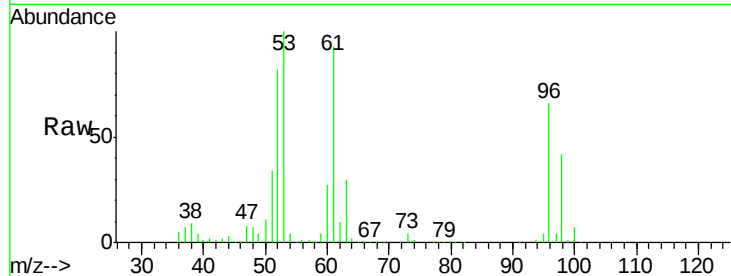
#19
trans-1,2-Dichloroethene
Concen: 20.64 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	114.6	172.0
98	63.6	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM

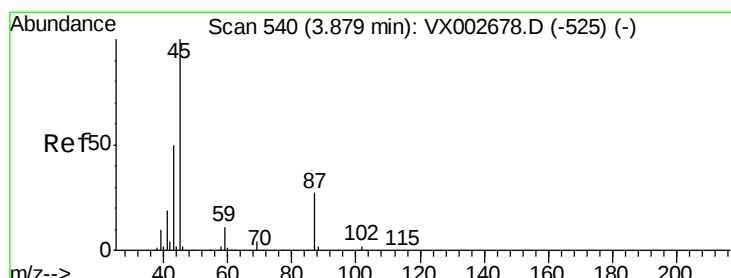
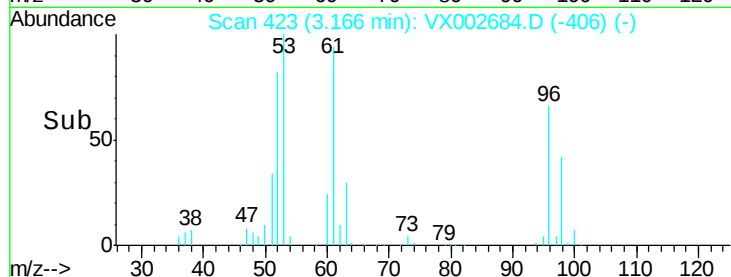
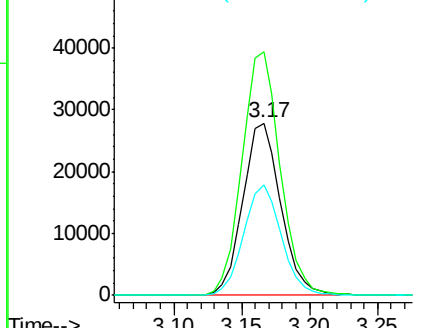


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20
Diisopropyl ether
Concen: 21.45 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	45.6	68.4
87	26.3	20.7	31.1
59	11.7	8.9	13.3

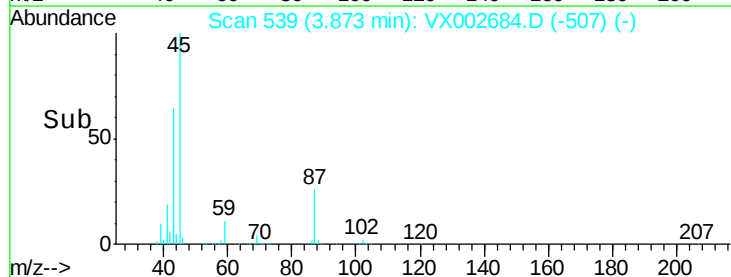
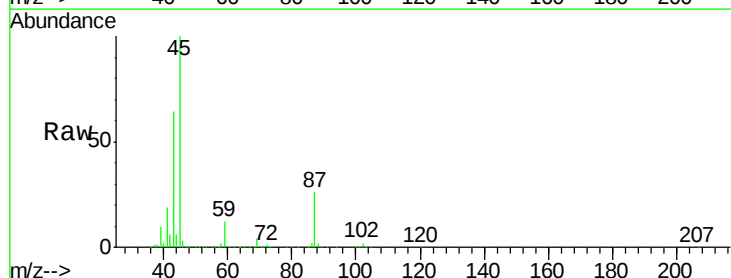
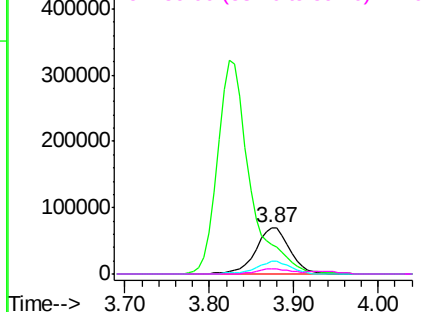
Abundance

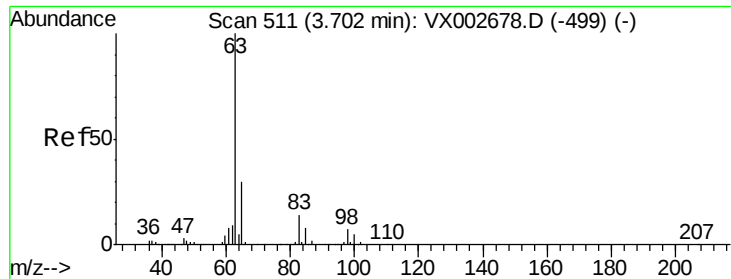
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





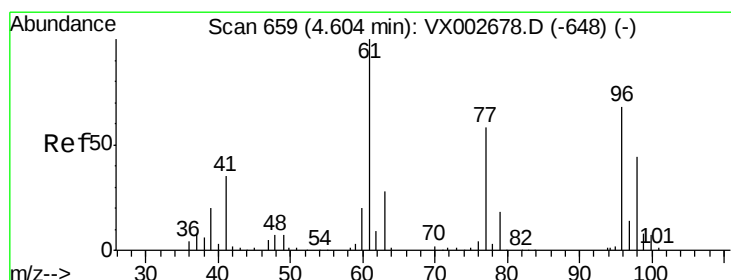
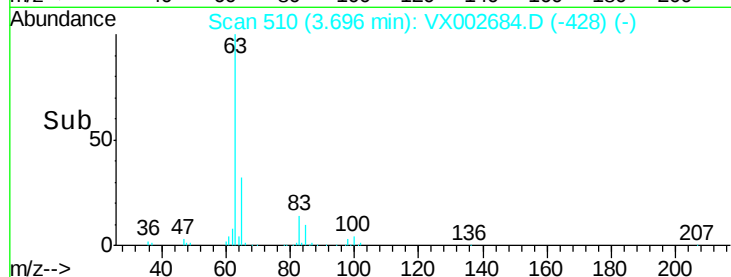
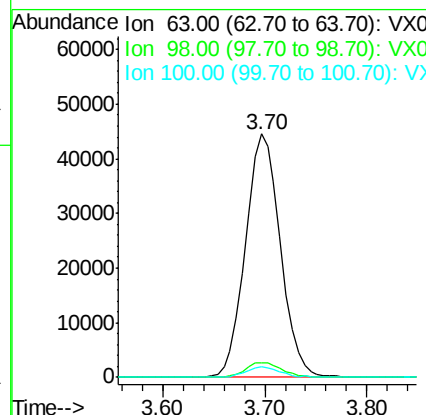
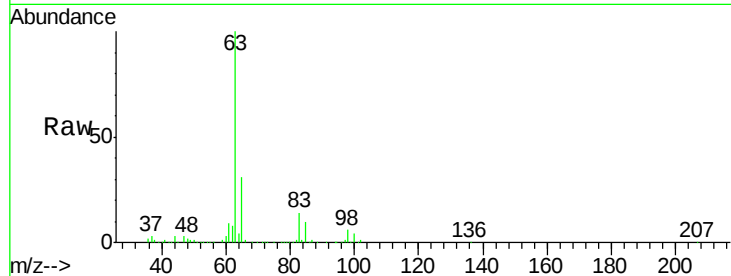
#21
 1,1-Dichloroethane
 Concen: 21.60 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.9	3.1	9.3
100	4.1	2.2	6.6

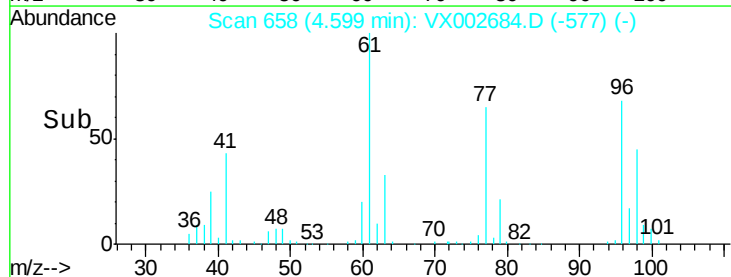
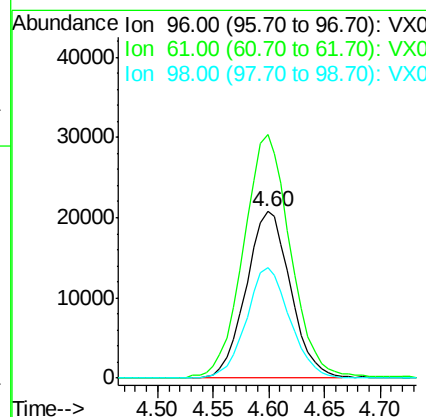
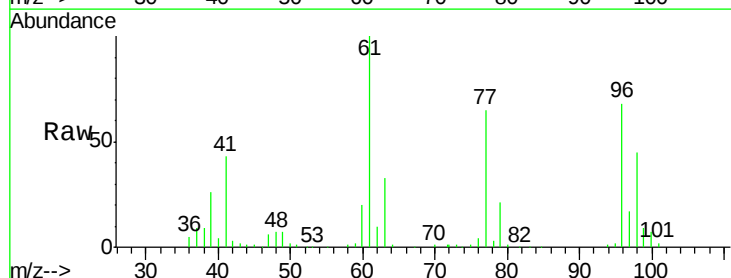
Manual Integrations
 APPROVED

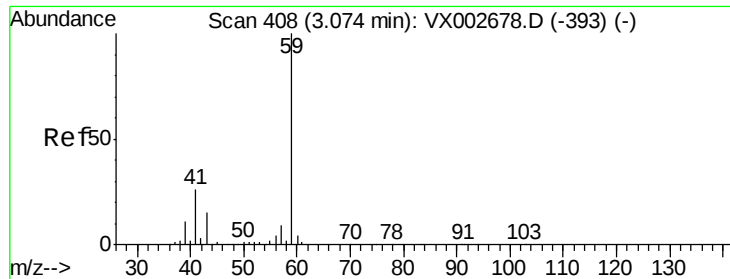
MMDadoda
 6/19/2018 1:05:31 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.32 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	154.7	160.2	240.2#
98	64.9	54.1	81.1





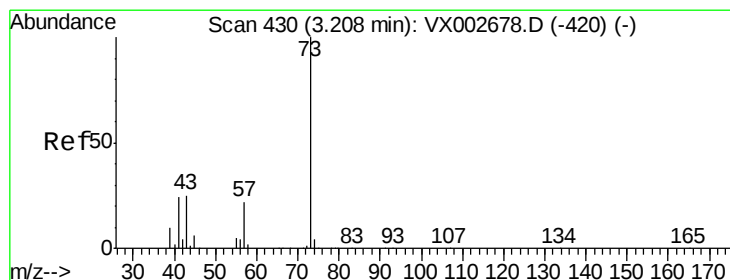
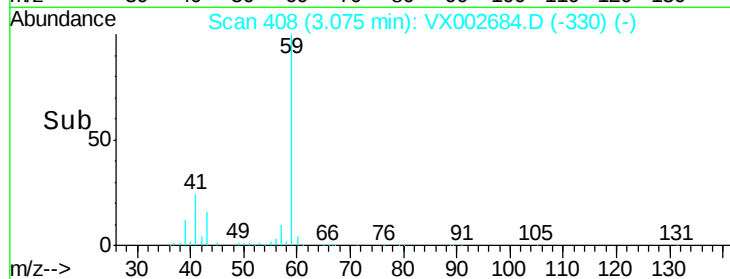
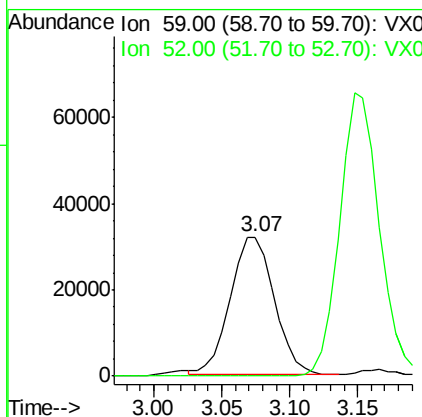
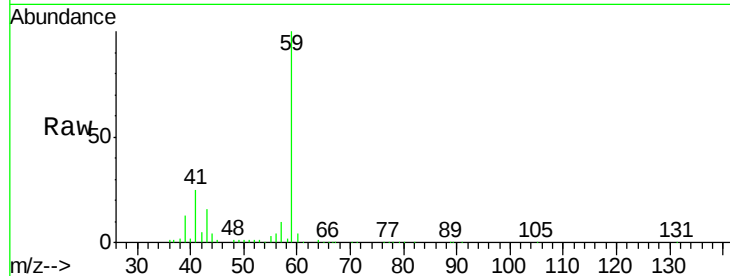
#23
tert-Butyl Alcohol
Concen: 106.31 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.02 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

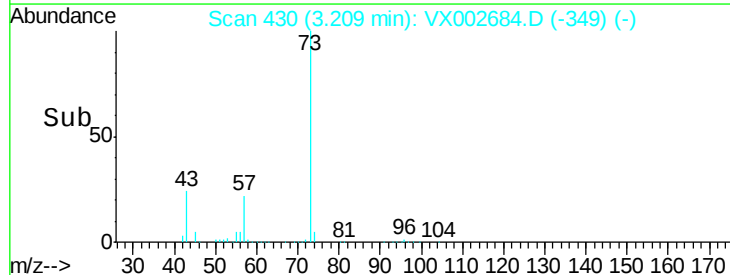
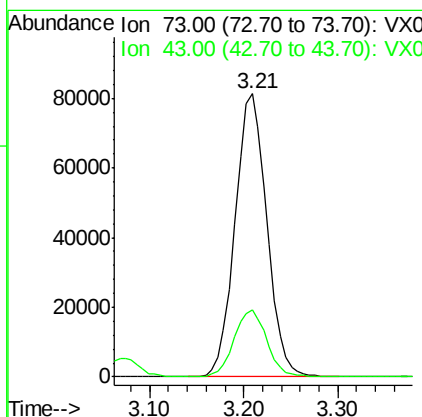
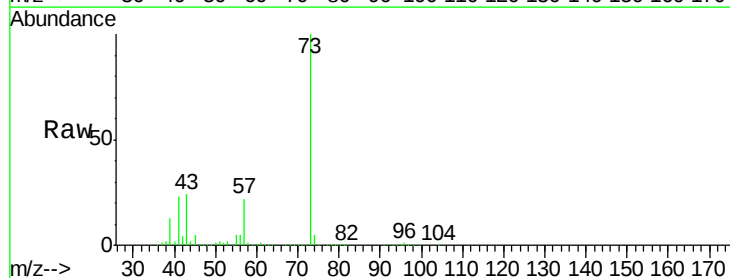
Manual Integrations
APPROVED

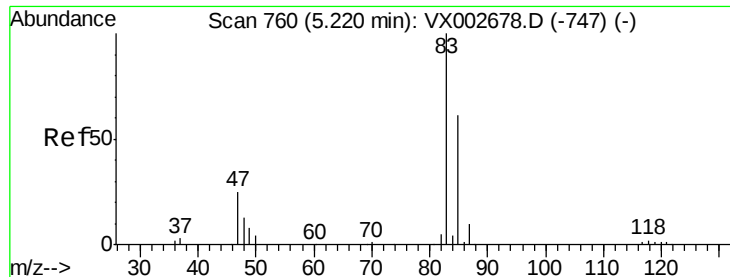
MMDadoda
6/19/2018 1:05:31 PM



#24
Methyl tert-Butyl Ether
Concen: 20.84 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.6	19.0	28.4





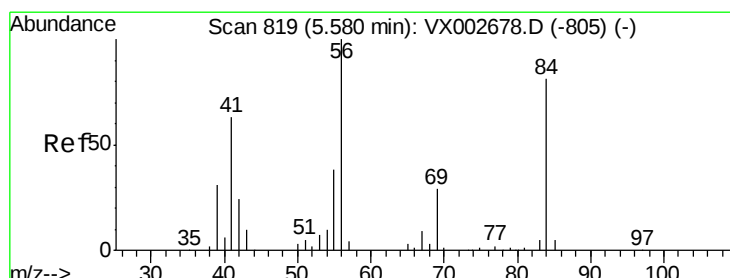
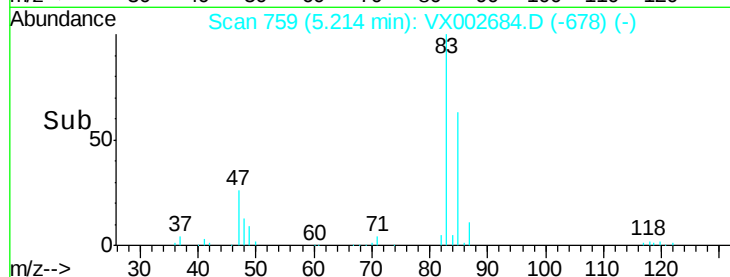
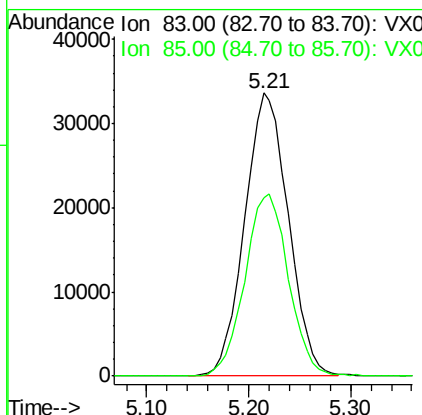
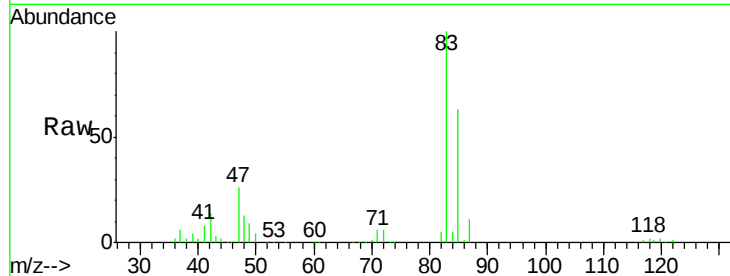
#25
Chloroform
Concen: 20.28 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	83	Resp	99997
Ion Ratio	100	Lower	Upper
85	63.0	51.9	77.9

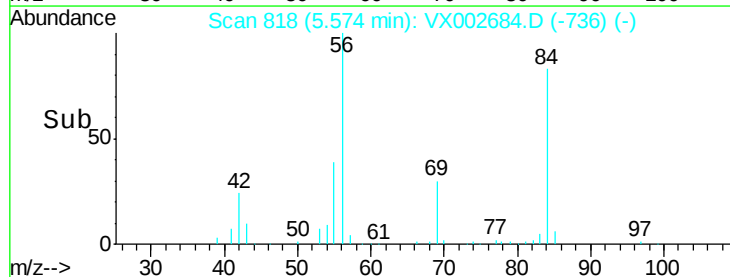
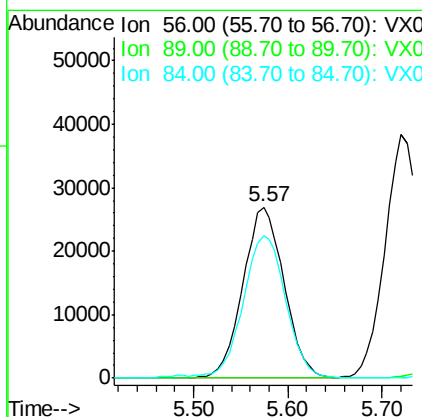
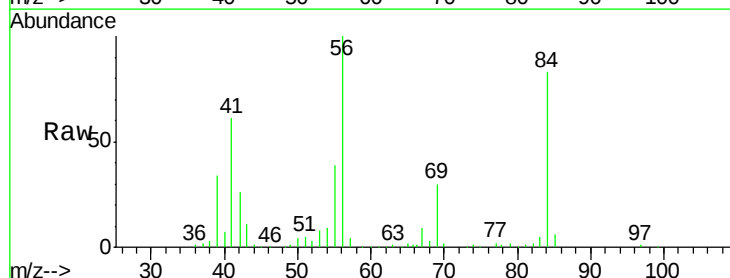
Manual Integrations
APPROVED

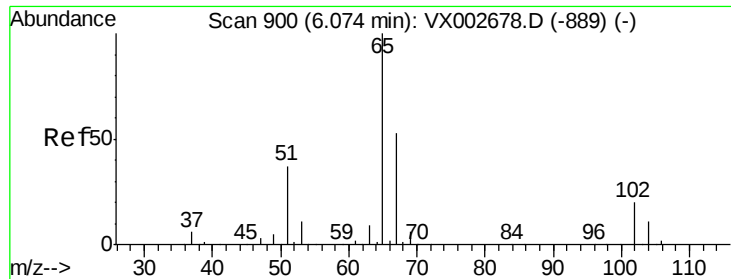
MMDadoda
6/19/2018 1:05:31 PM



#26
Cyclohexane
Concen: 19.79 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	56	Resp	82605
Ion Ratio	100	Lower	Upper
89	0.0	0.1	0.1#
84	86.0	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 30.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tot Ion: 65 Resp: 111351

Ion Ratio Lower Upper

65 100

67 51.5 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

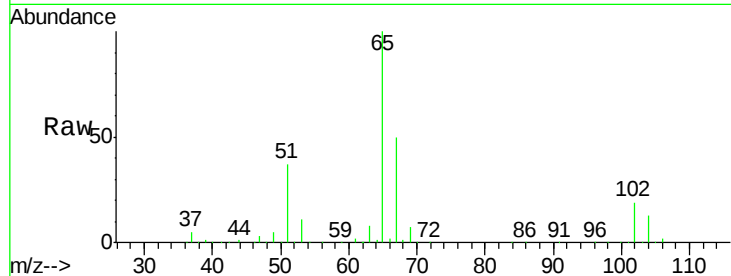
VX0618WBS01

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:31 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

40000

30000

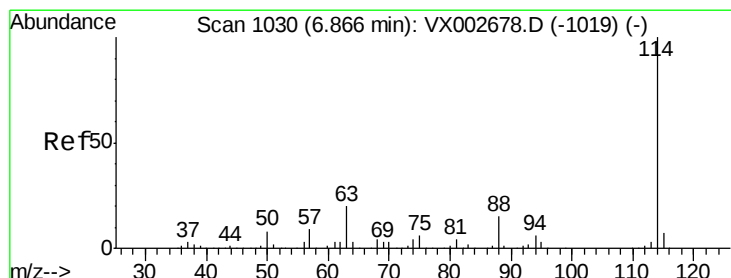
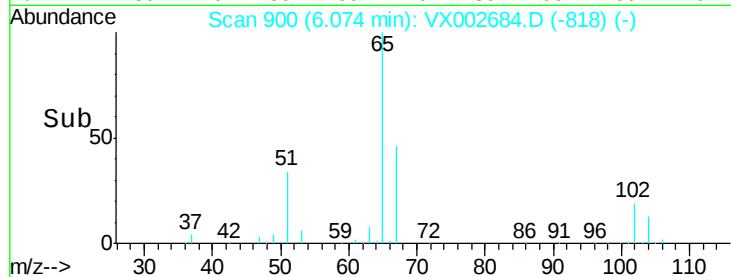
20000

10000

0

Time-->

6.00 6.10 6.20



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

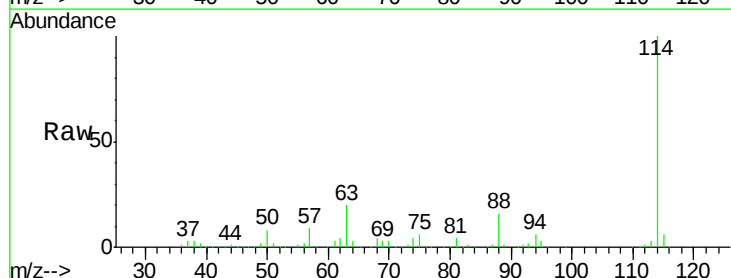
Tgt Ion: 114 Resp: 270741

Ion Ratio Lower Upper

114 100

63 20.1 17.1 25.7

88 15.3 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.87

150000

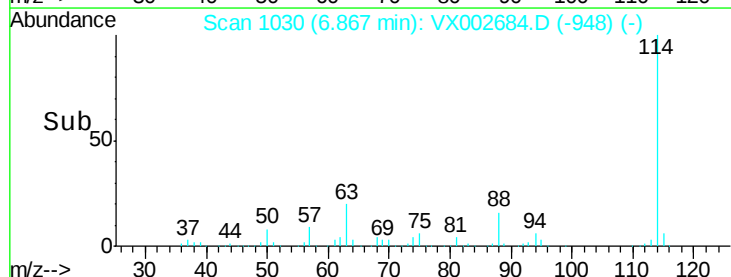
100000

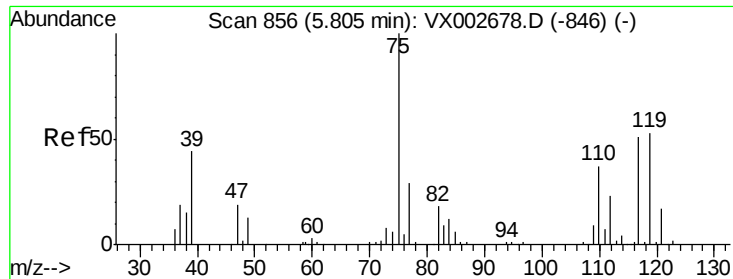
50000

0

Time-->

6.80 6.90 7.00





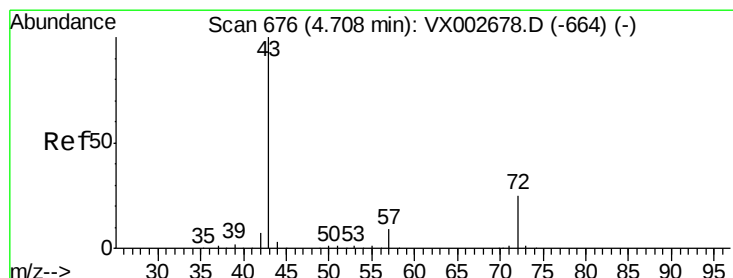
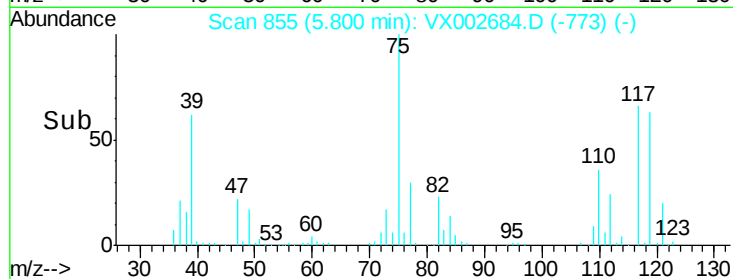
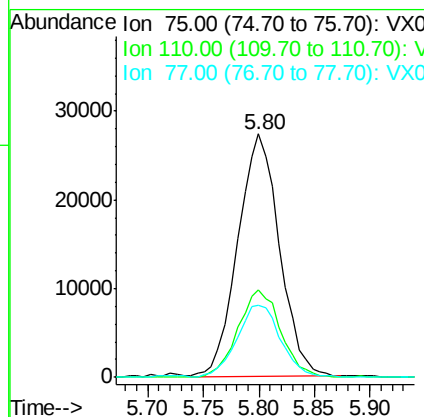
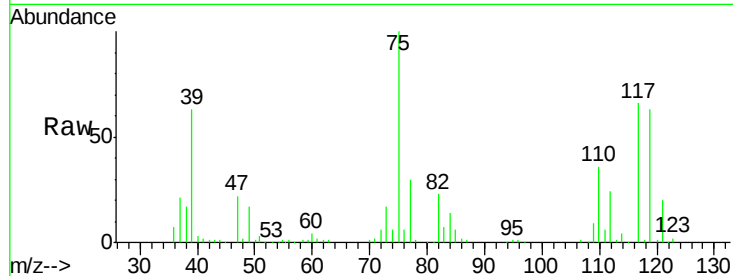
#29
 1,1-Dichloropropene
 Concen: 19.34 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	71.4
77	31.5	0.0	60.6

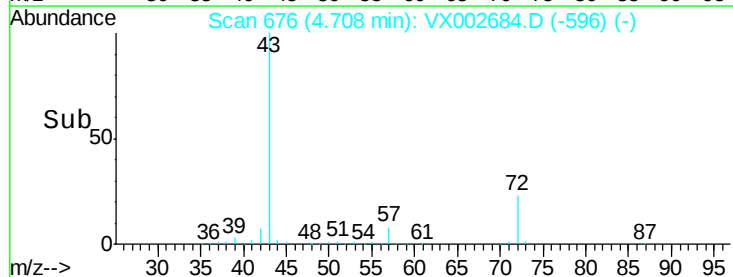
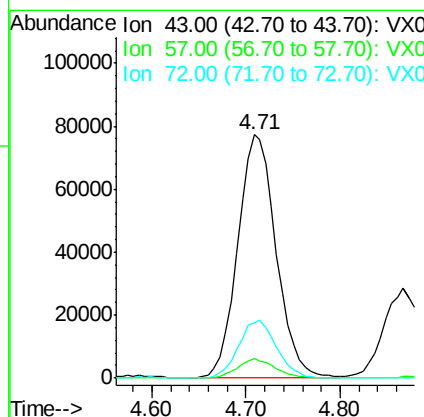
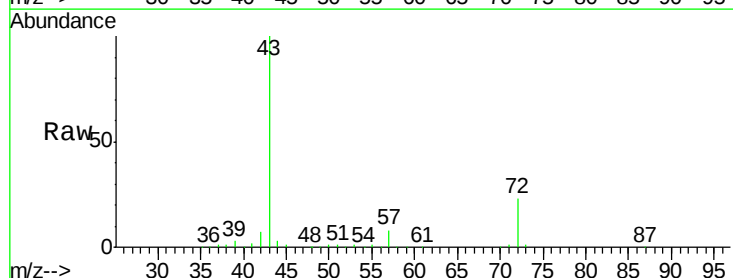
Manual Integrations
 APPROVED

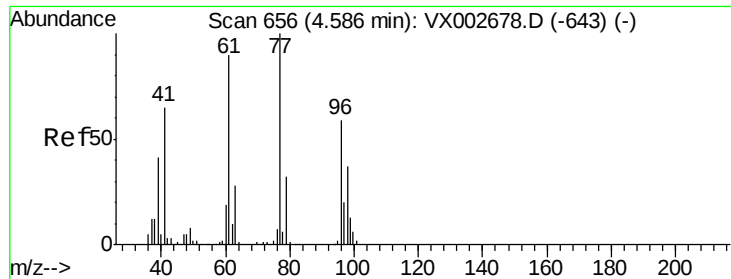
MMDadoda
 6/19/2018 1:05:31 PM



#30
 2-Butanone
 Concen: 104.25 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.1	9.1
72	24.0	18.1	27.1





#31

2,2-Dichloropropane

Concen: 19.66 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 77 Resp: 76828

Ion Ratio Lower Upper

77 100

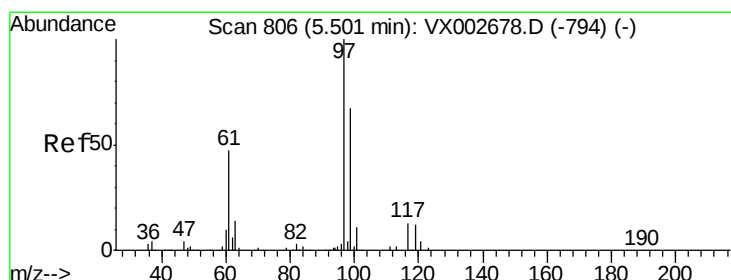
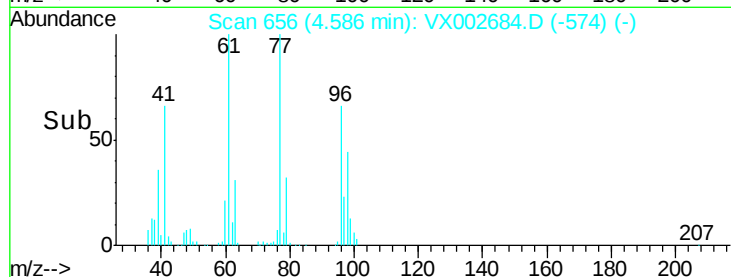
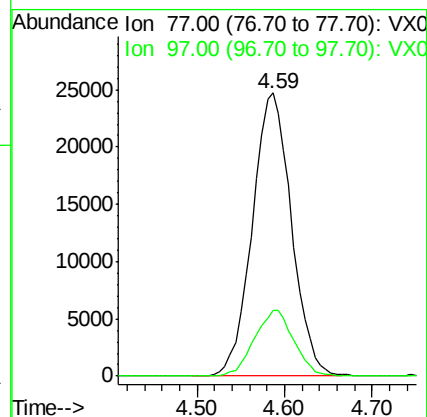
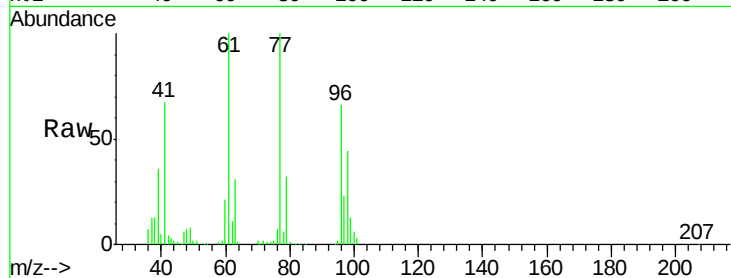
97 23.5 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:31 PM



#32

1,1,1-Trichloroethane

Concen: 19.43 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

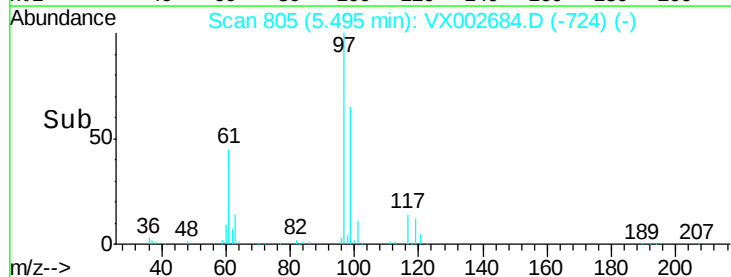
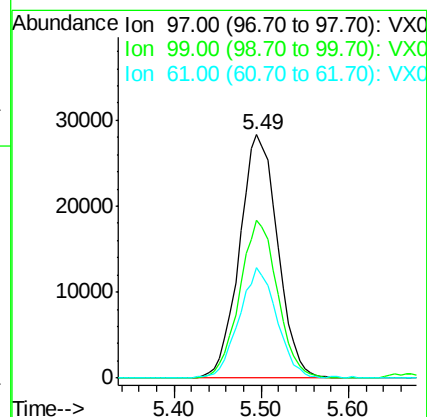
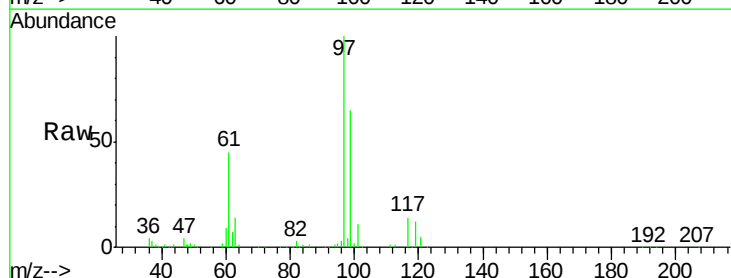
Tgt Ion: 97 Resp: 85811

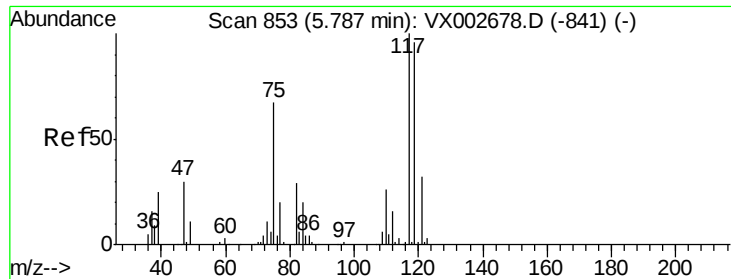
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 44.6 36.4 54.6





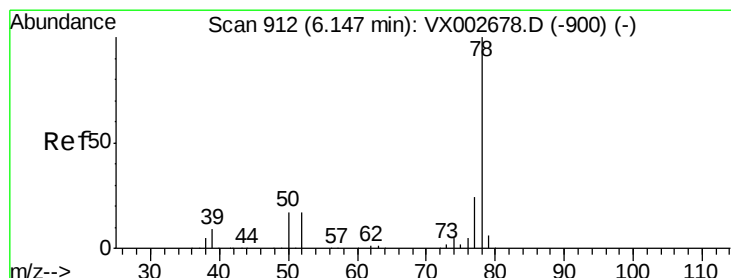
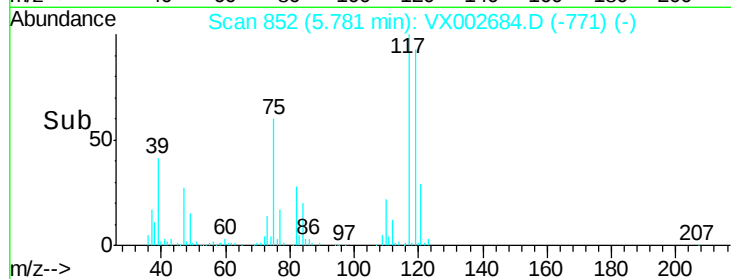
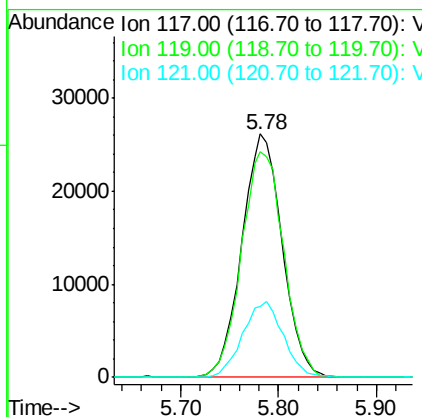
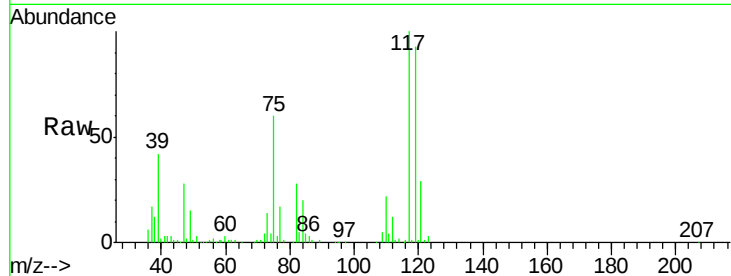
#33
Carbon Tetrachloride
Concen: 18.91 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.3	109.9
121	29.1	23.6	35.4

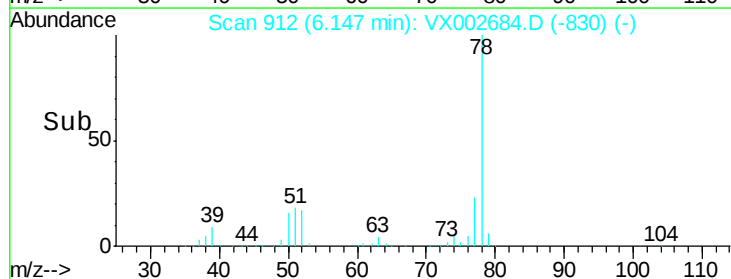
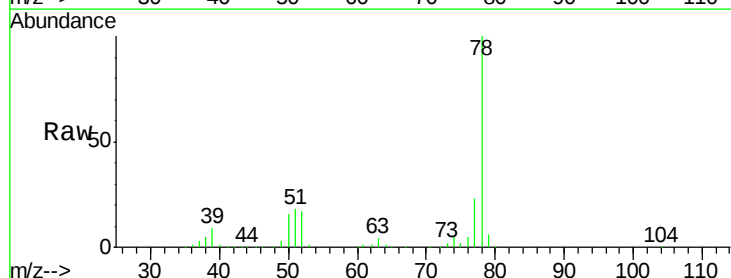
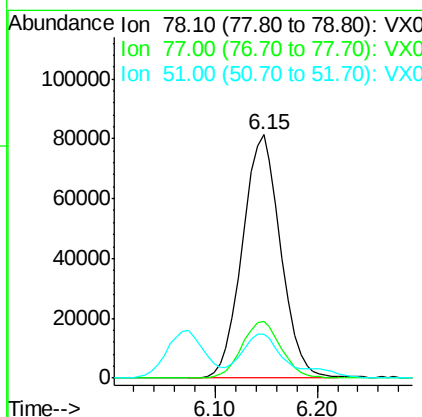
Manual Integrations
APPROVED

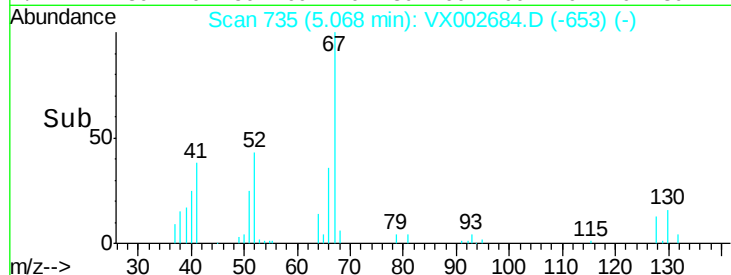
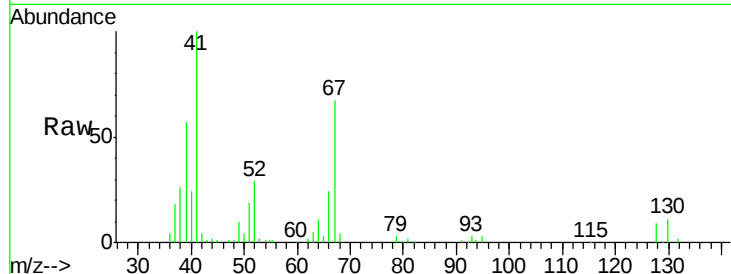
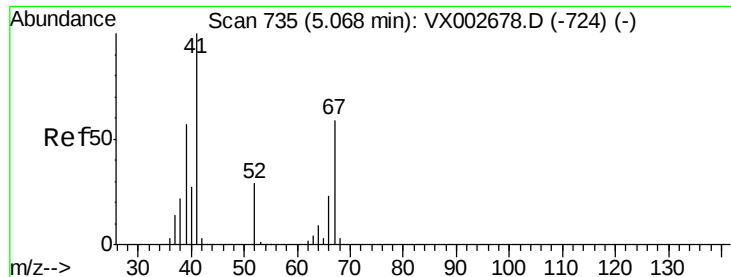
MMDadoda
6/19/2018 1:05:31 PM



#34
Benzene
Concen: 19.55 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0
51	16.3	13.8	20.6





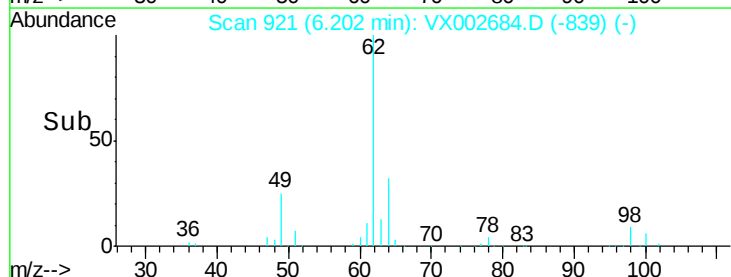
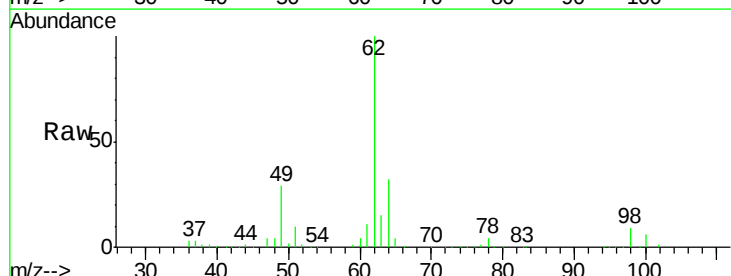
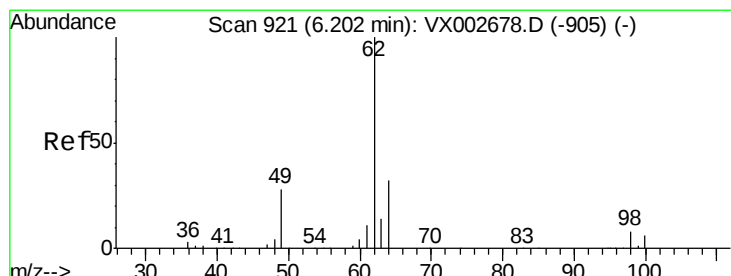
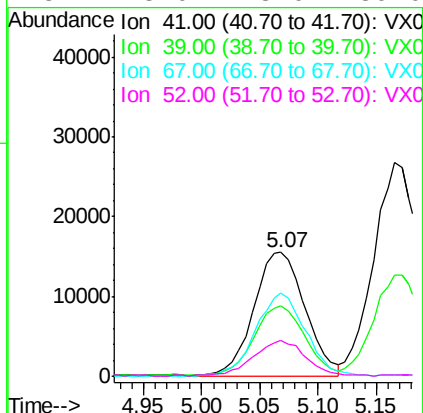
#35
Methacrylonitrile
Concen: 20.66 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	56.7	28.8	86.5	
67	67	67.0	30.4	91.2	
52	52	28.0	13.0	39.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

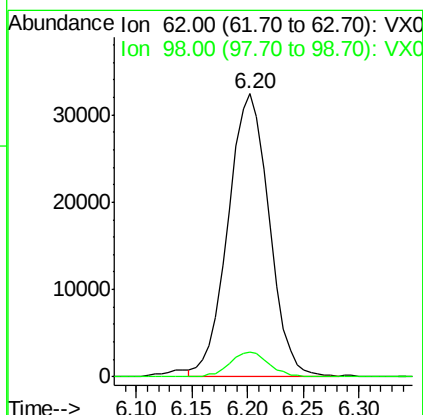
Manual Integrations
APPROVED

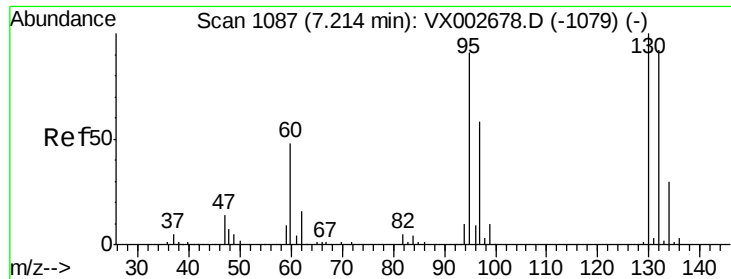
MMDadoda
6/19/2018 1:05:31 PM



#36
1,2-Dichloroethane
Concen: 19.59 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	8.4	6.5	9.7	





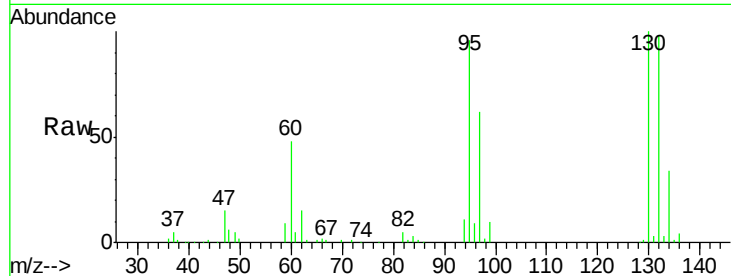
#37
 Trichloroethene
 Concen: 19.37 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

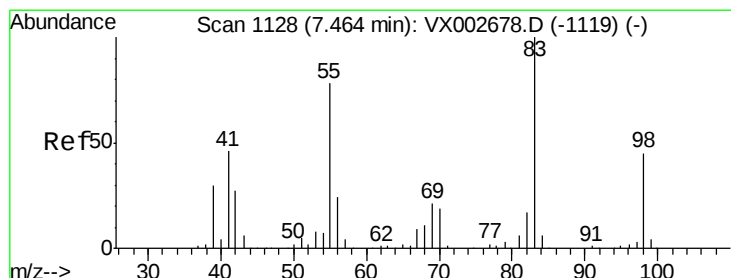
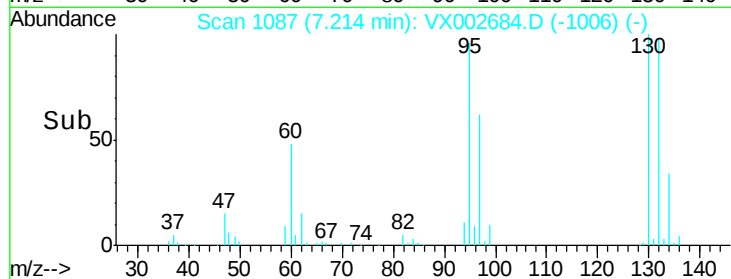
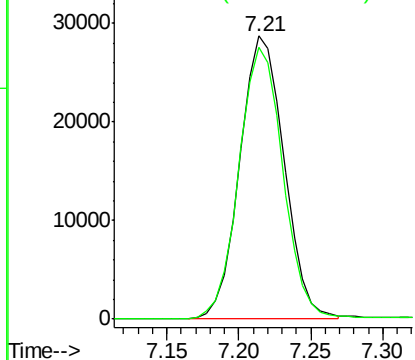
Tot Ion:130 Resp: 61432
 Ion Ratio Lower Upper
 130 100
 95 95.8 81.5 122.3

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:31 PM

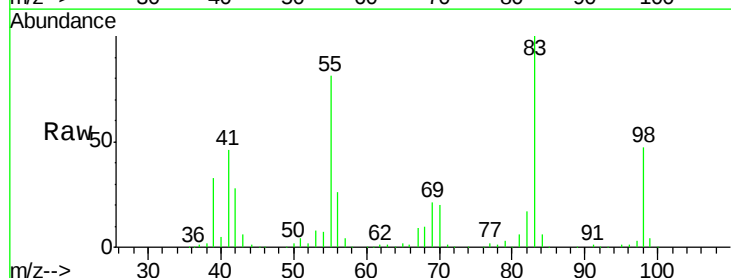


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

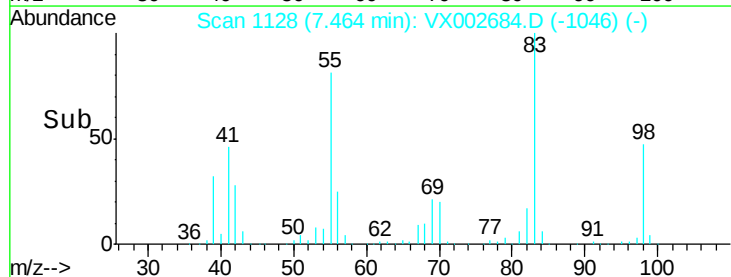
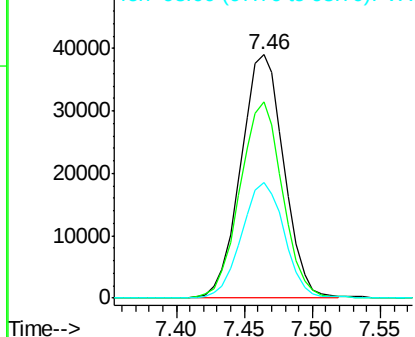


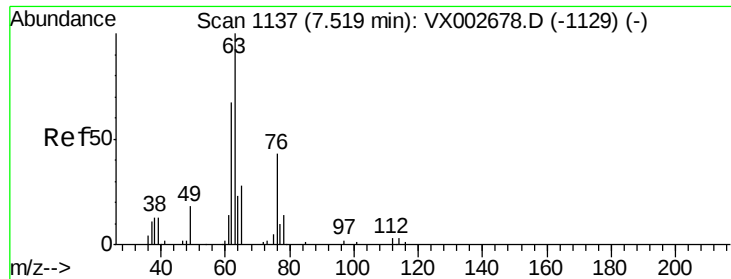
#38
 Methylcyclohexane
 Concen: 19.42 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion: 83 Resp: 86405
 Ion Ratio Lower Upper
 83 100
 55 79.5 40.6 121.8
 98 47.3 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





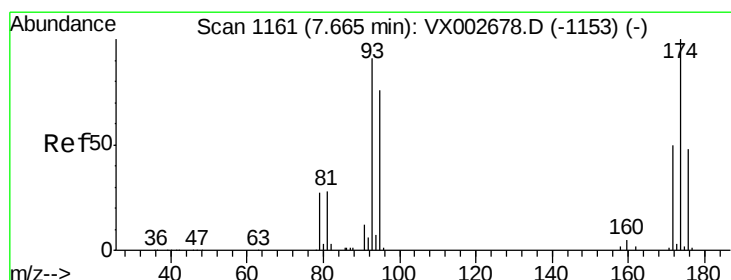
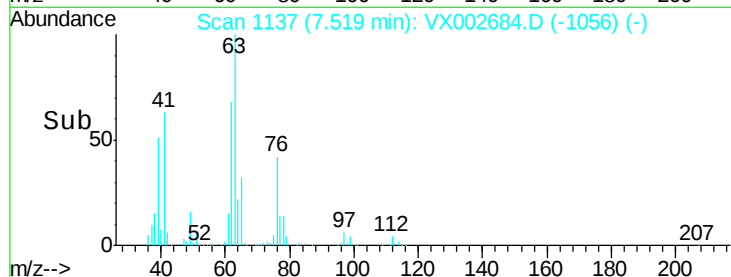
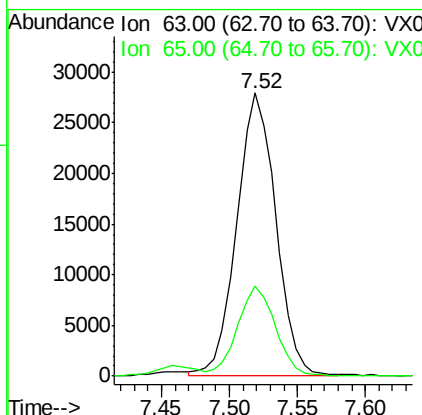
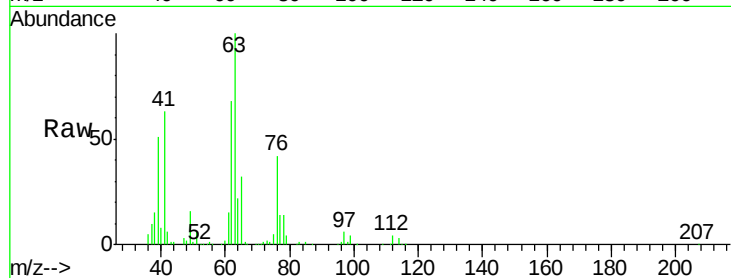
#39
 1,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.3	34.9

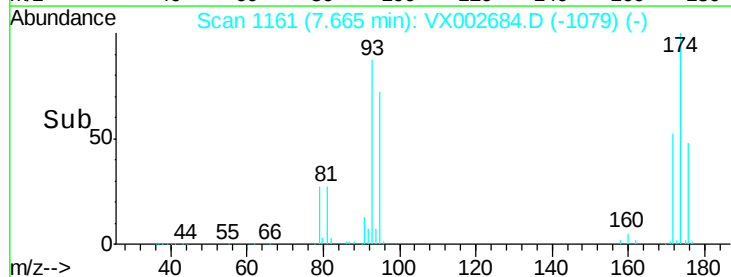
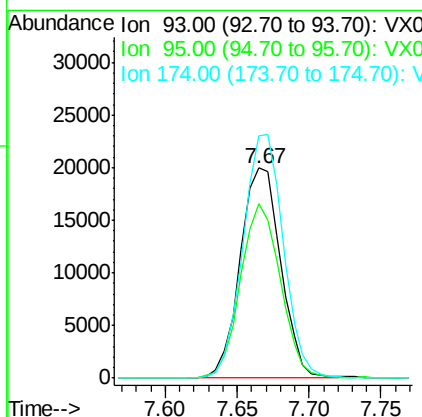
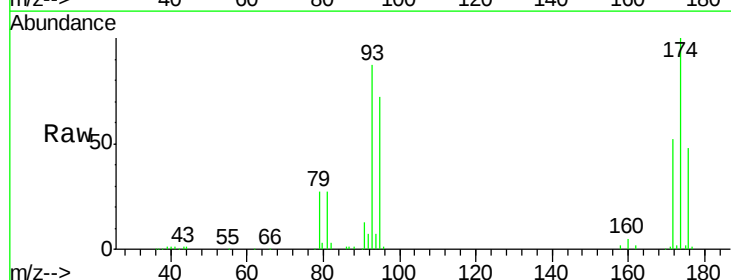
Manual Integrations
 APPROVED

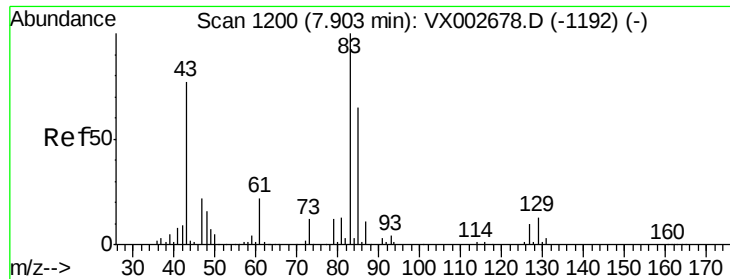
MMDadoda
 6/19/2018 1:05:31 PM



#40
 Dibromomethane
 Concen: 19.92 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	0.0	162.6
174	115.1	0.0	229.4





#41

Bromodichloromethane

Concen: 18.98 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

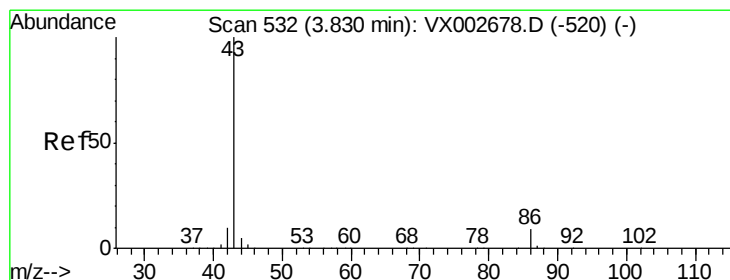
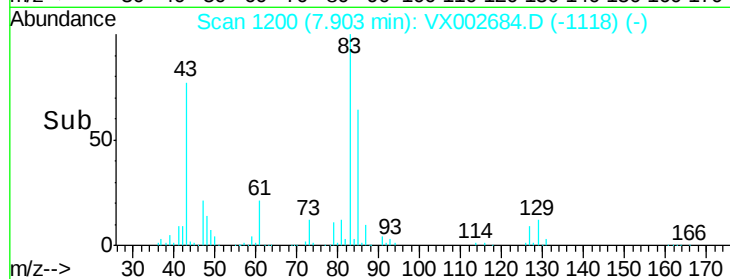
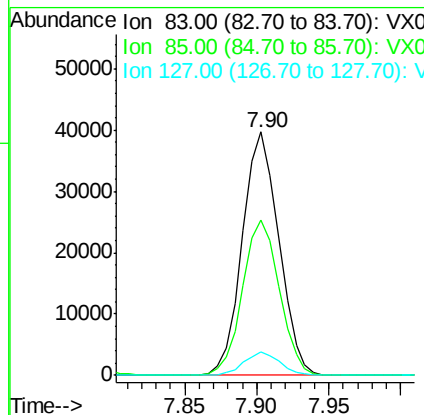
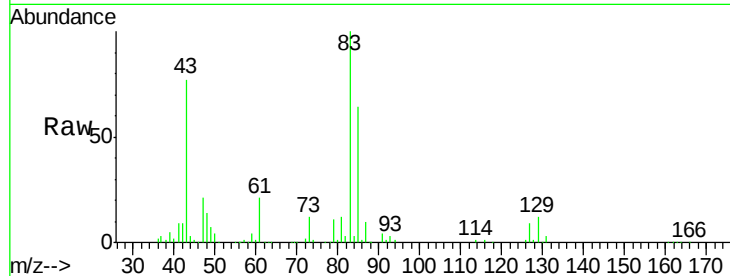
ClientSampleId :

VX0618WBS01

Tot Ion:	83	Resp:	69976
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.8	74.8
127	9.4	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#42

Vinyl Acetate

Concen: 106.94 ug/l

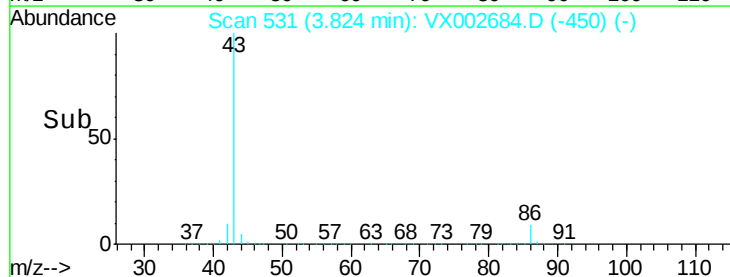
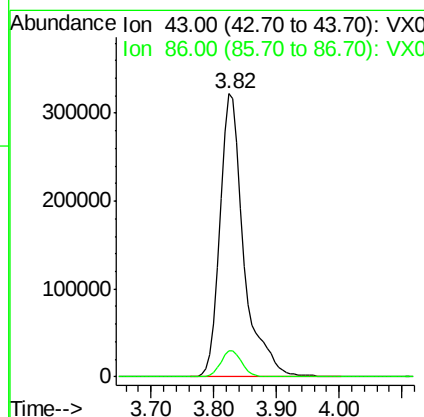
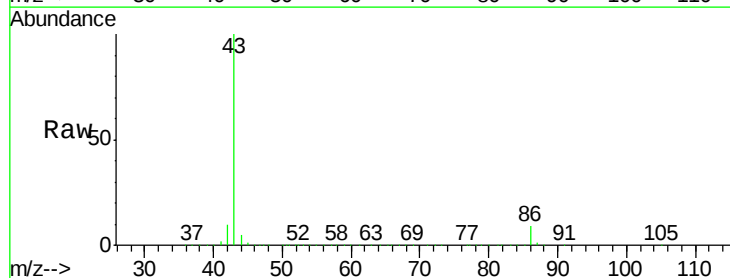
RT: 3.82 min Scan# 531

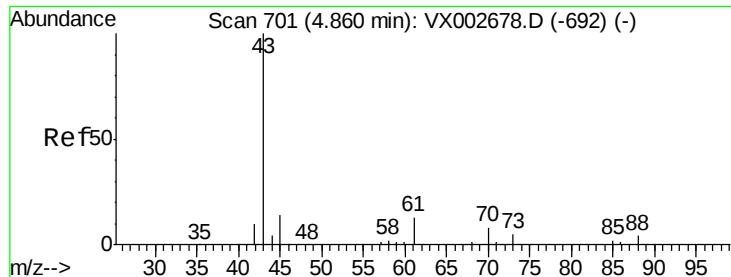
Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tgt Ion:	43	Resp:	848541
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.7	10.1





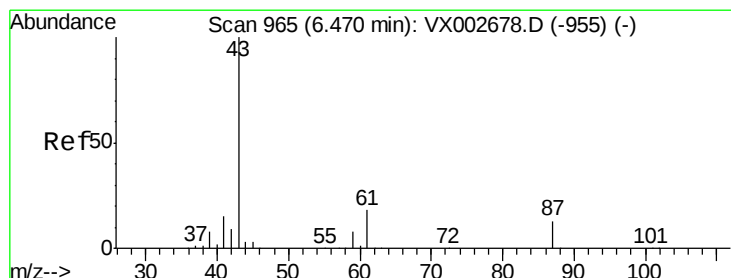
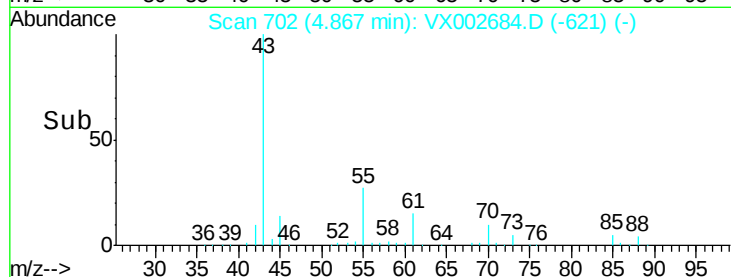
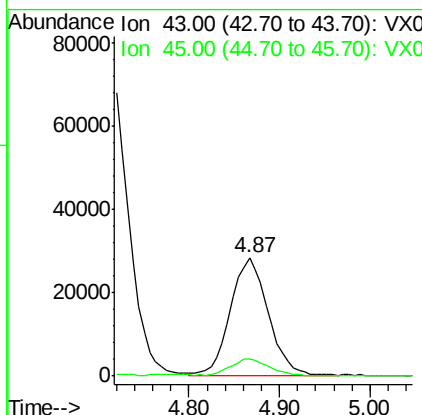
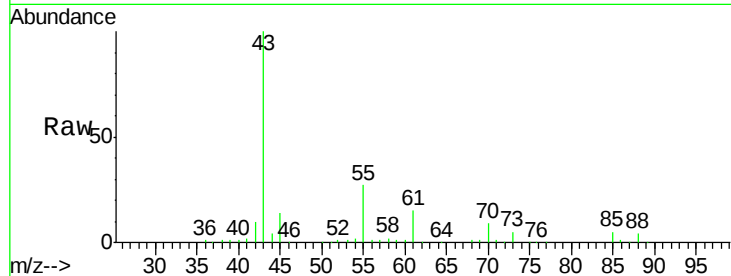
#43
Ethyl Acetate
Concen: 20.44 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion: 43 Resp: 81803
Ion Ratio Lower Upper
43 100
45 14.5 11.0 16.4

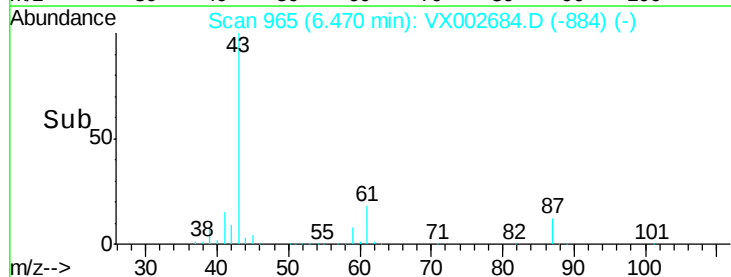
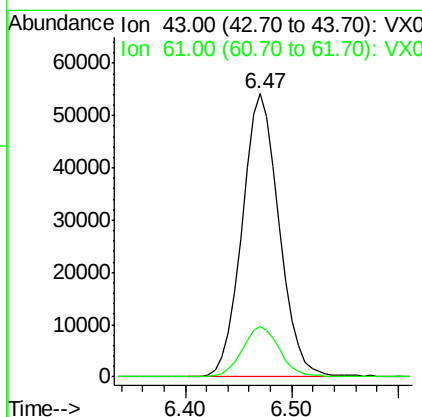
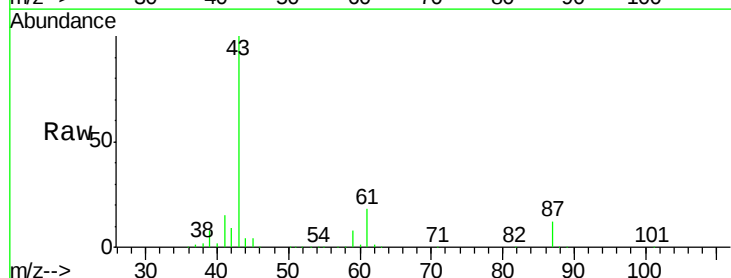
Manual Integrations
APPROVED

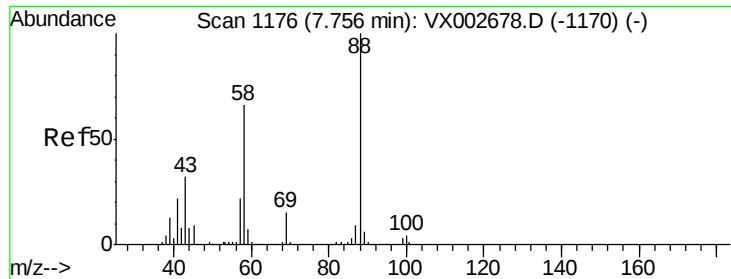
MMDadoda
6/19/2018 1:05:31 PM



#44
Isopropyl Acetate
Concen: 19.61 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion: 43 Resp: 131497
Ion Ratio Lower Upper
43 100
61 18.0 14.5 21.7





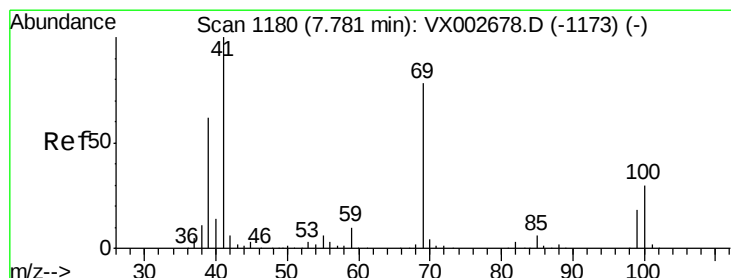
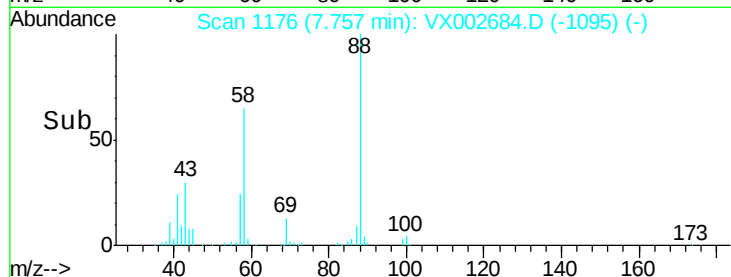
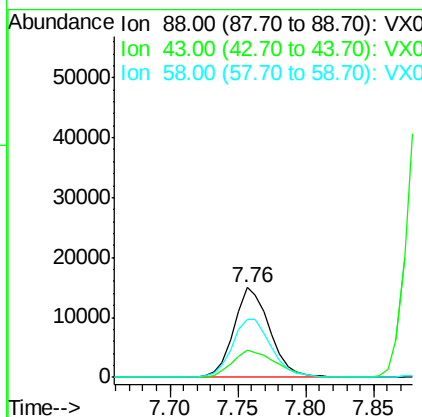
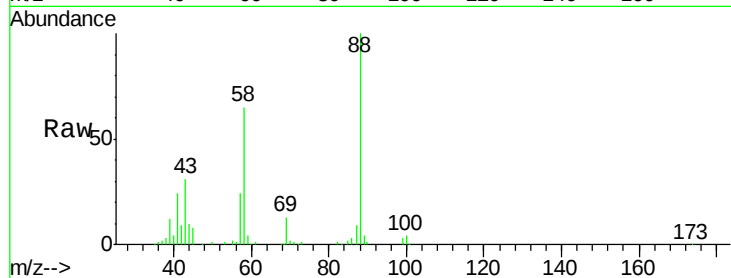
#45
1,4-Dioxane
Concen: 421.58 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	43.2	64.8#
58	70.4	60.2	90.2

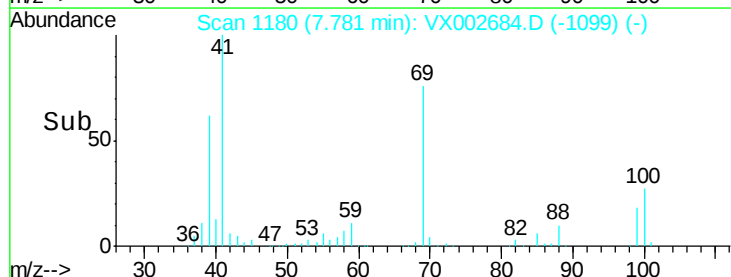
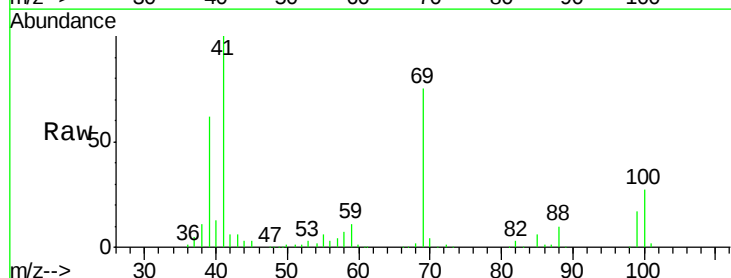
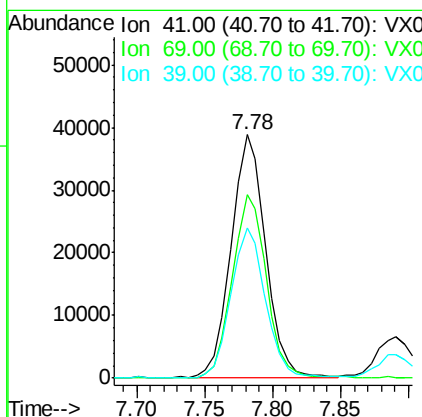
Manual Integrations
APPROVED

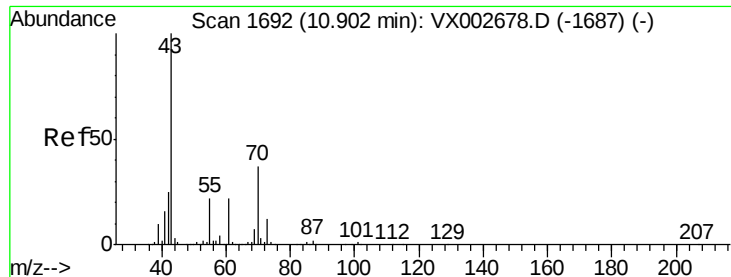
MMDadoda
6/19/2018 1:05:31 PM



#46
Methyl methacrylate
Concen: 19.85 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	37.0	110.9
39	61.6	29.6	88.9





#47

n-amvl Acetate

Concen: 18.69 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 43 Resp: 118263

Ion Ratio Lower Upper

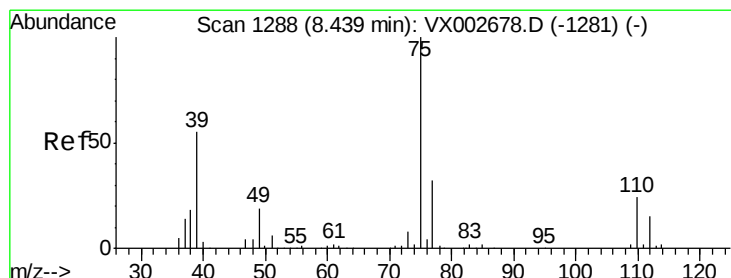
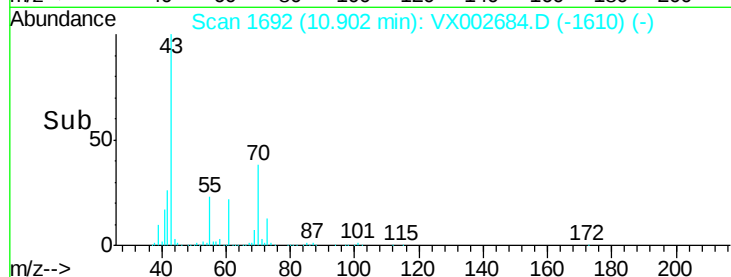
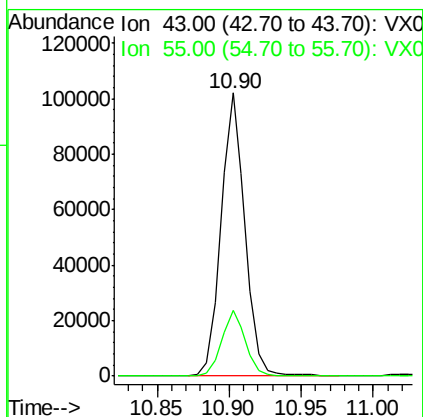
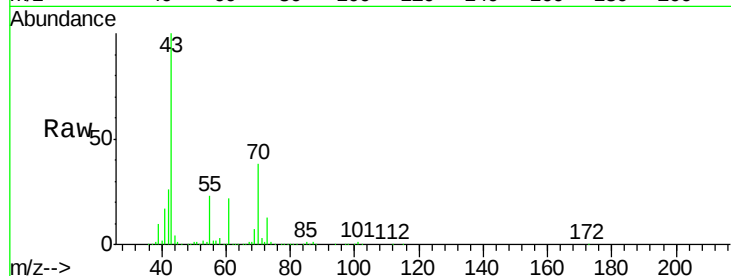
43 100

55 23.3 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:05:31 PM



#48

t-1,3-Dichloropropene

Concen: 19.06 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002684.D

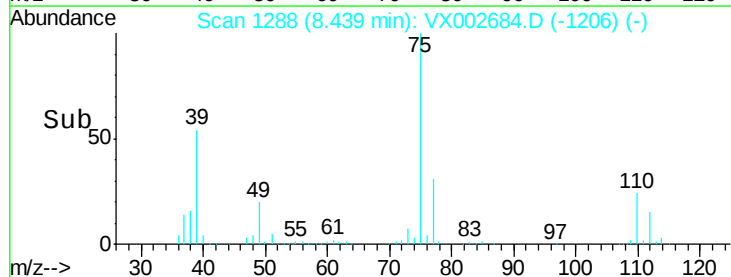
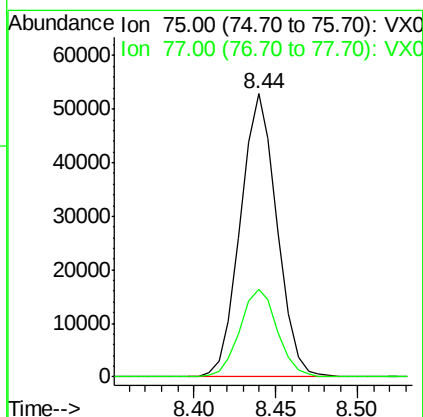
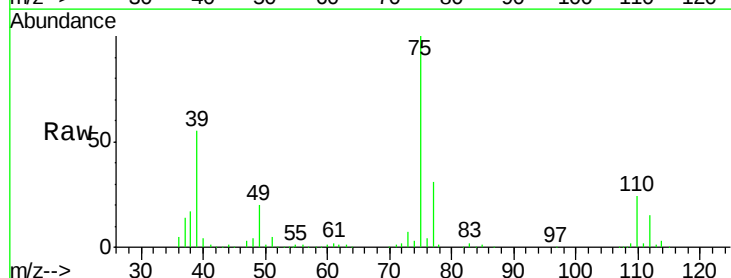
Acq: 18 Jun 2018 17:28

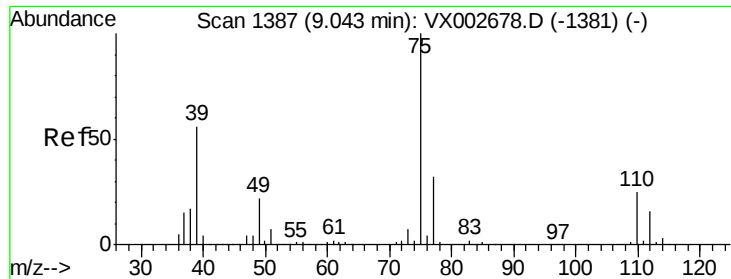
Tgt Ion: 75 Resp: 82477

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4





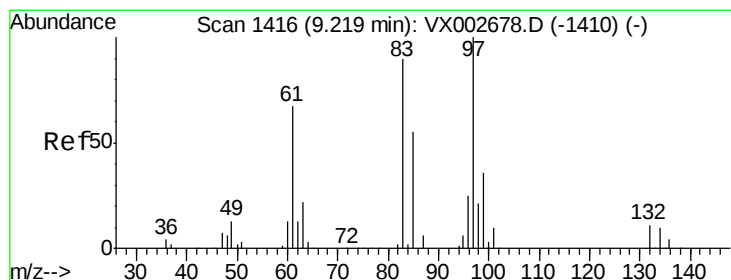
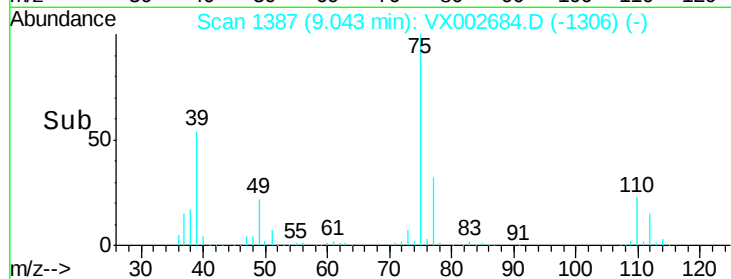
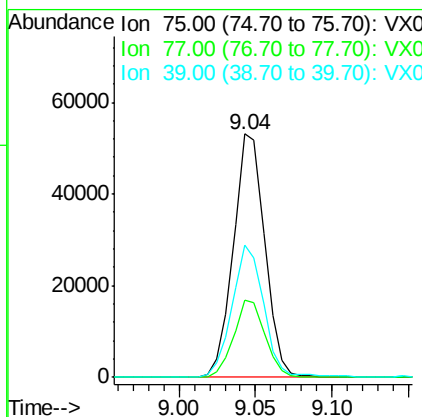
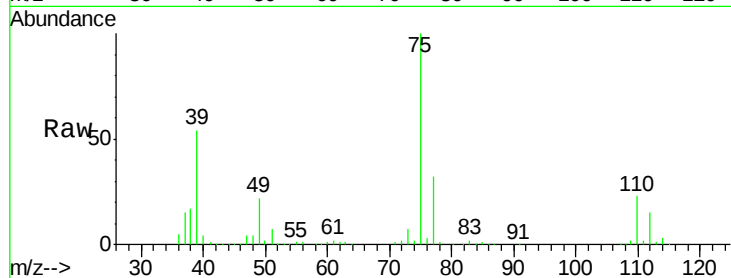
#49
 cis-1,3-Dichloropropene
 Concen: 18.80 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	54.0	42.3	63.5

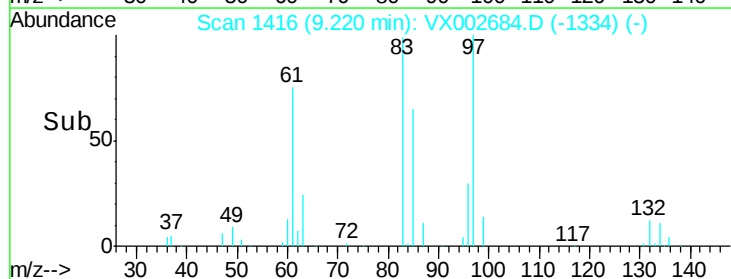
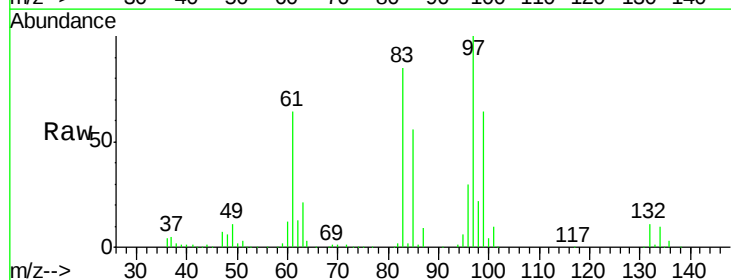
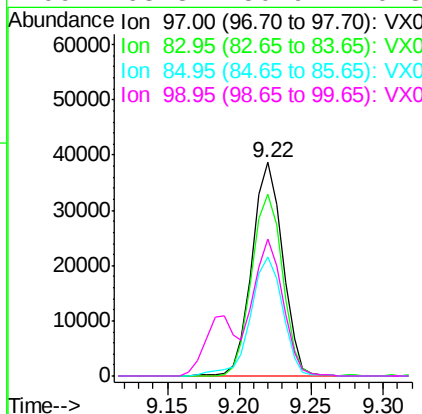
Manual Integrations
 APPROVED

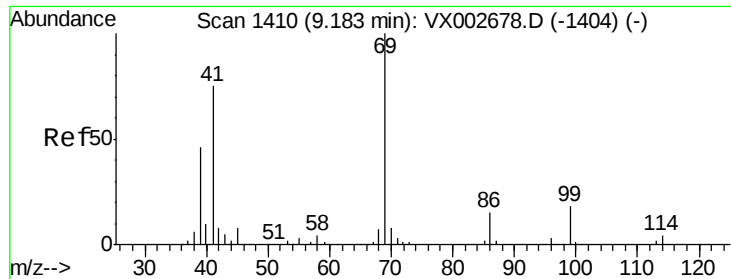
MMDadoda
 6/19/2018 1:05:31 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.71 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.8	106.2
85	55.7	43.5	65.3
99	63.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.43 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

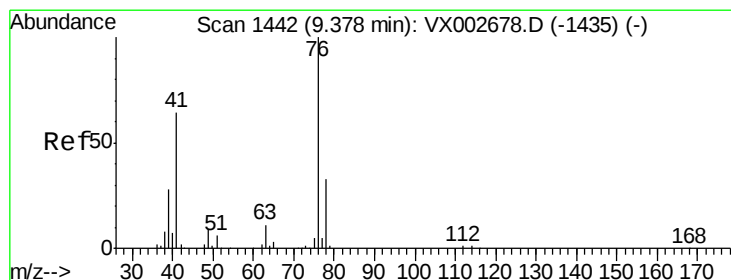
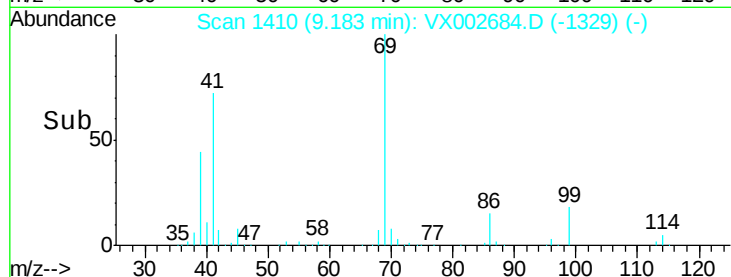
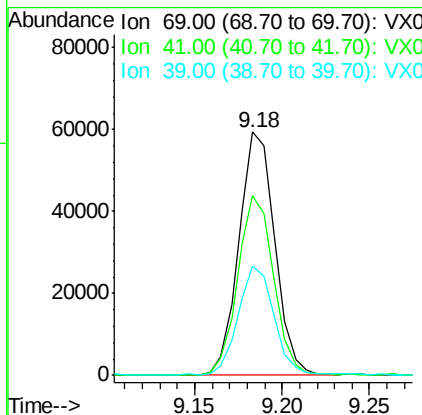
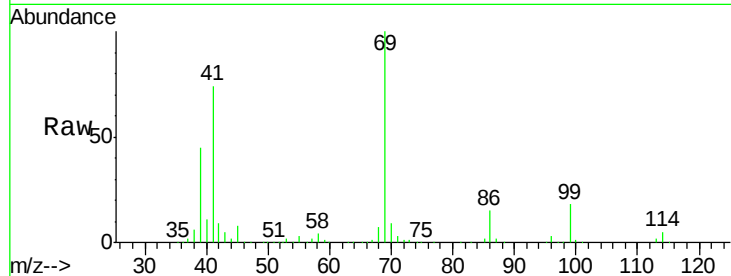
ClientSampleId :

VX0618WBS01

Tot Ion:	69	Resp:	84911
Ion Ratio	Lower	Upper	
69	100		
41	73.5	39.1	117.3
39	44.6	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#52

1,3-Dichloropropane

Concen: 19.69 ug/l

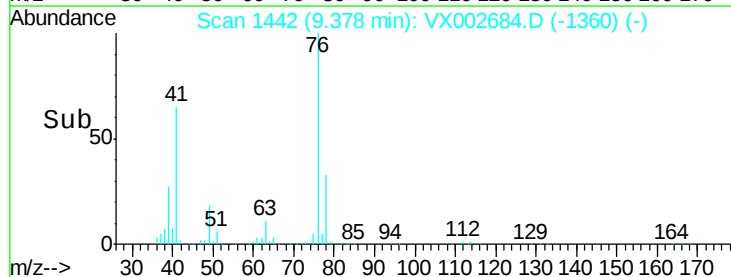
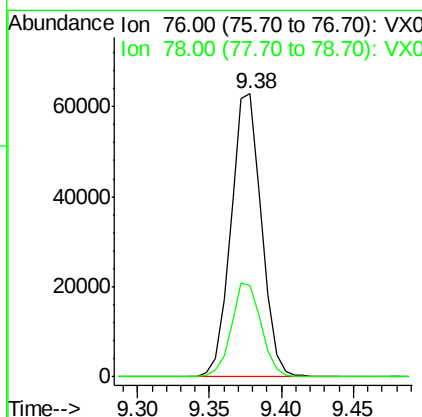
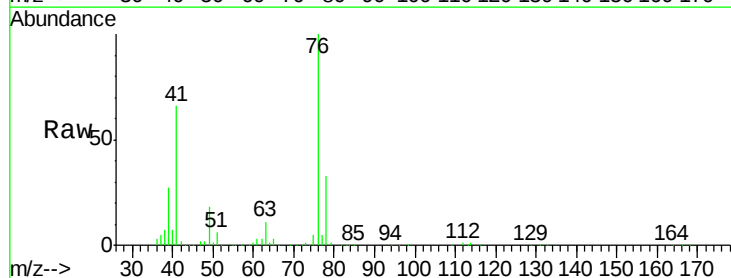
RT: 9.38 min Scan# 1442

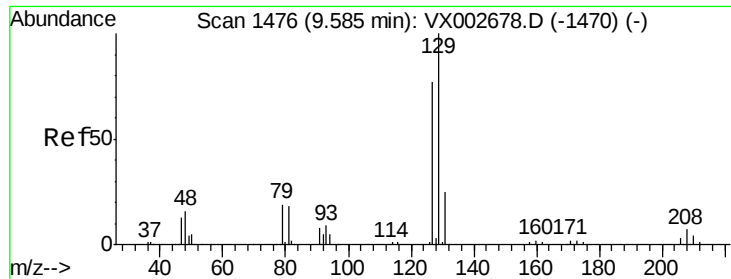
Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tgt Ion:	76	Resp:	93066
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	63.4





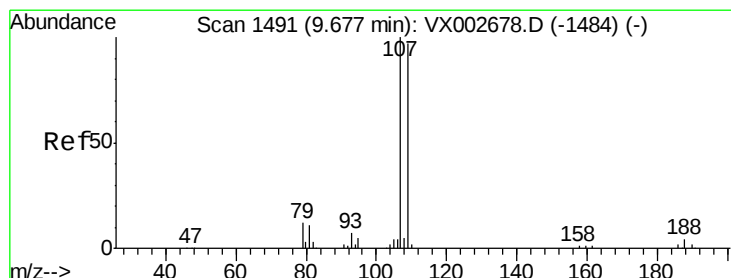
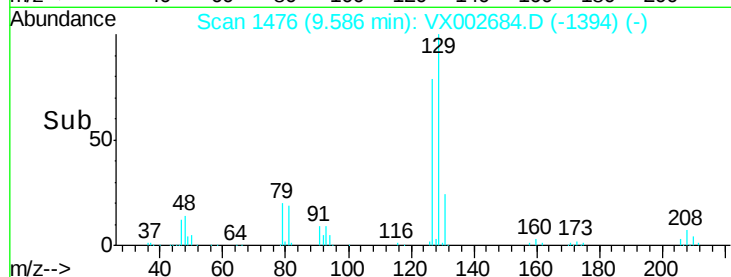
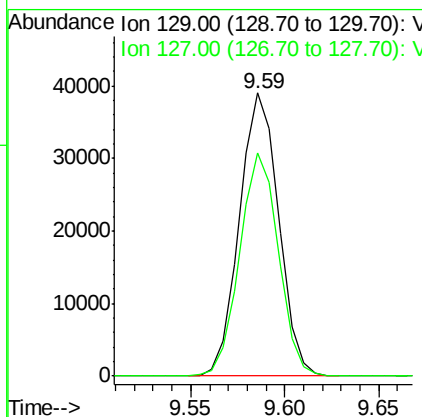
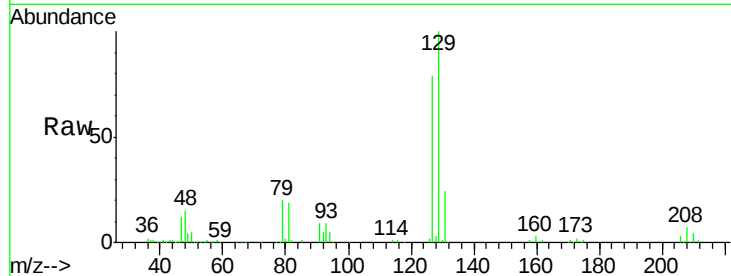
#53
Dibromochloromethane
Concen: 18.35 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion:129 Resp: 56392
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3

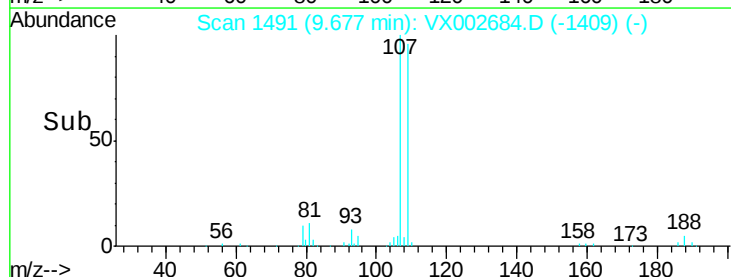
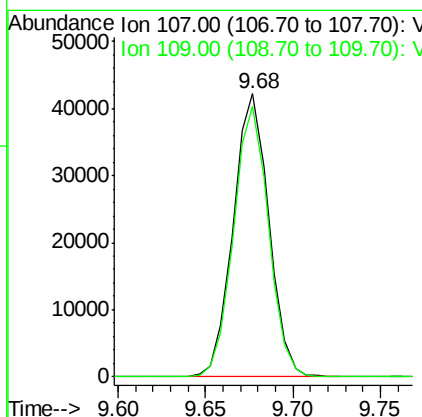
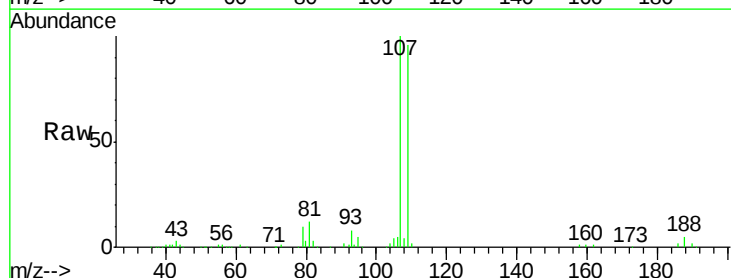
Manual Integrations
APPROVED

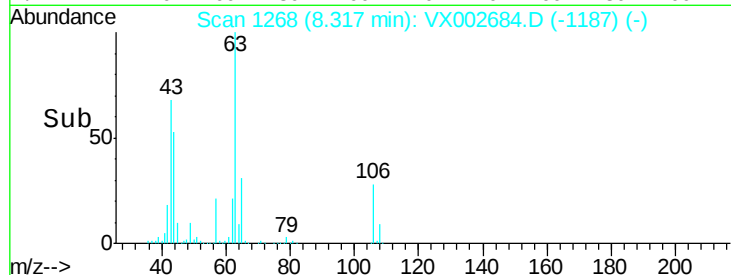
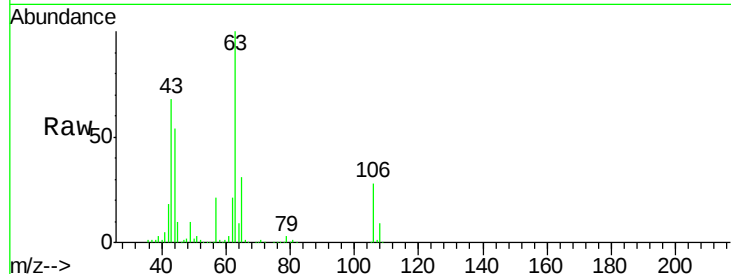
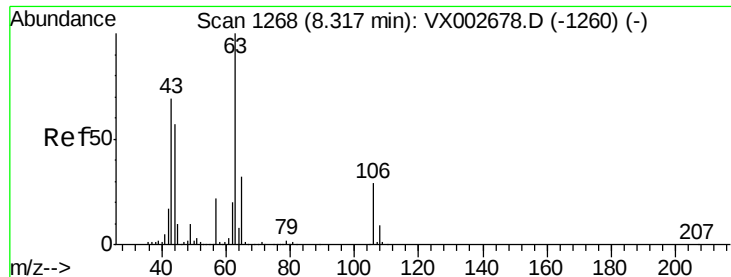
MMDadoda
6/19/2018 1:05:31 PM



#54
1,2-Dibromoethane
Concen: 19.61 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion:107 Resp: 59802
Ion Ratio Lower Upper
107 100
109 93.8 75.5 113.3





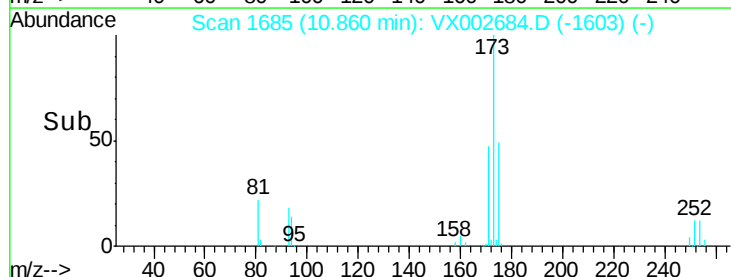
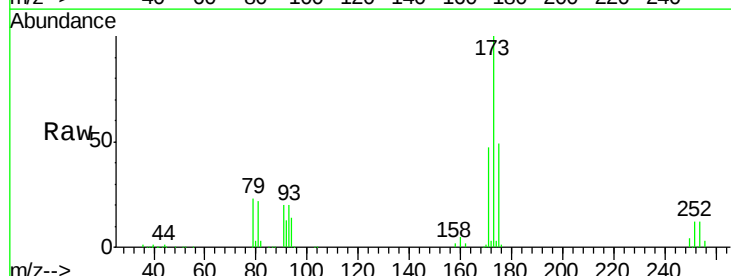
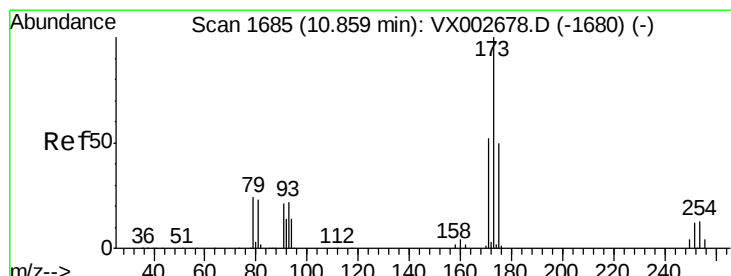
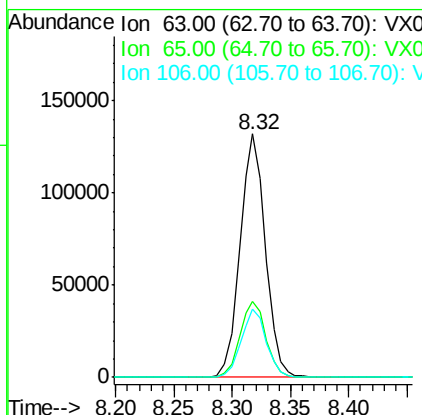
#55
2-Chloroethyl vinyl ether
Concen: 96.24 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.6	38.4
106	27.9	21.6	32.4

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

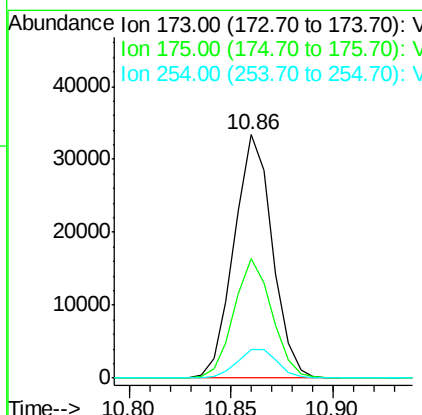
Manual Integrations
APPROVED

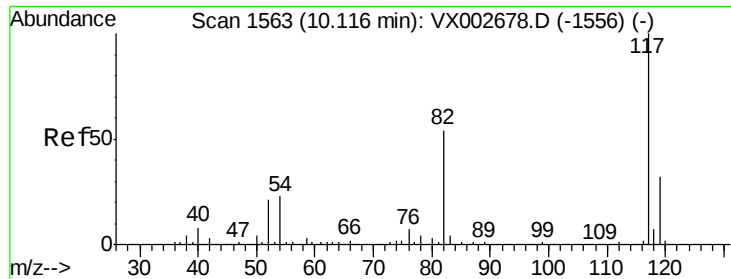
MMDadoda
6/19/2018 1:05:31 PM



#56
Bromoform
Concen: 17.72 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.4
254	12.3	9.6	14.4





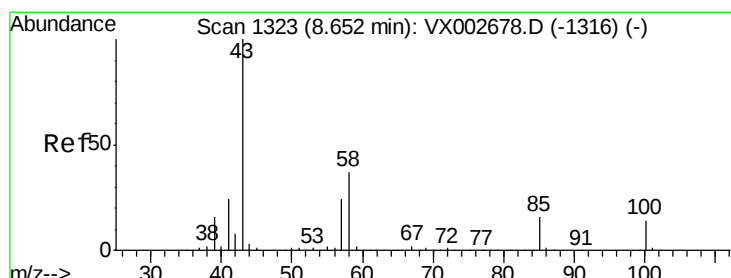
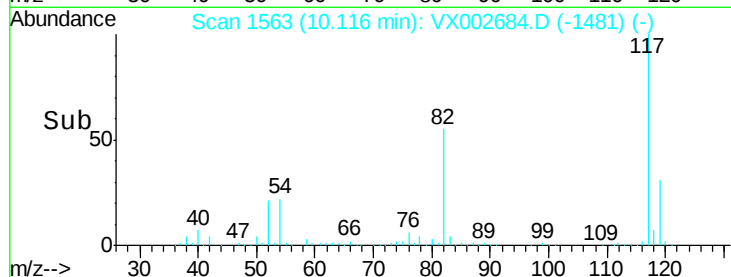
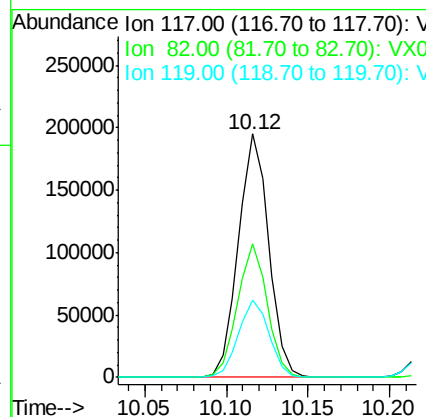
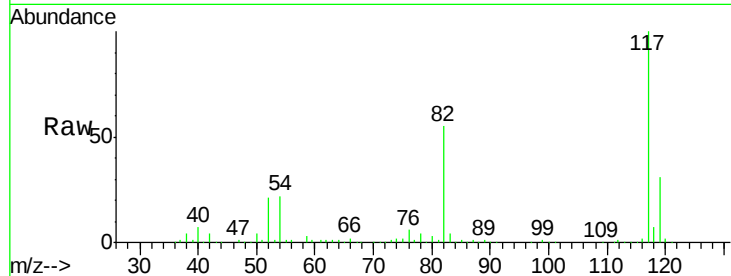
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.3	66.5
119	31.9	25.7	38.5

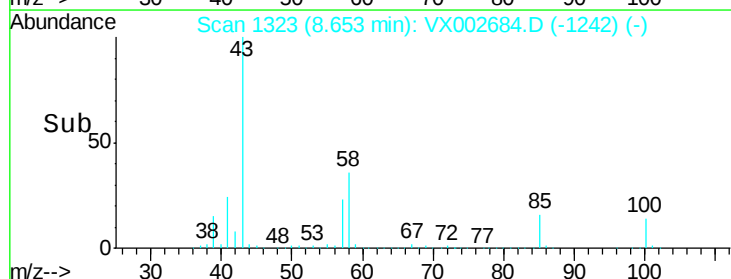
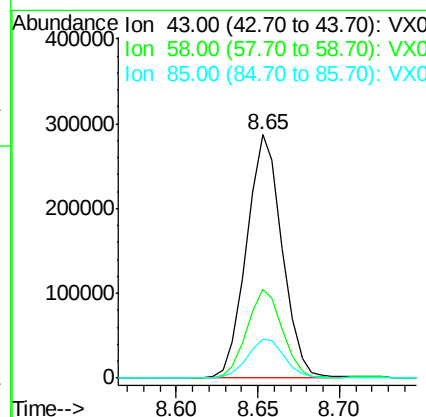
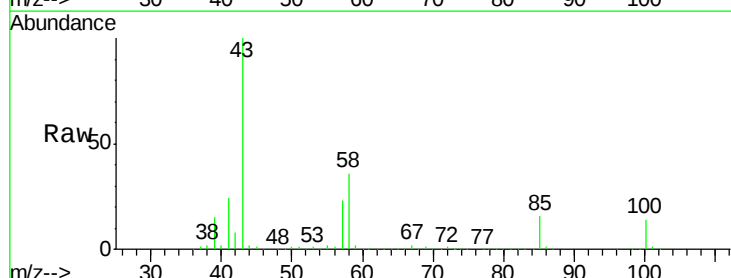
Manual Integrations
APPROVED

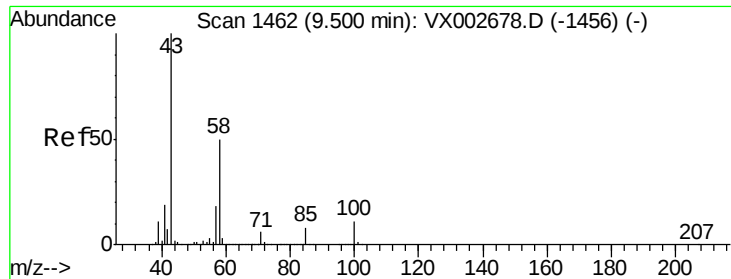
MMDadoda
6/19/2018 1:05:31 PM



#58
4-Methyl-2-Pentanone
Concen: 101.03 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	28.2	42.4
85	16.5	12.4	18.6





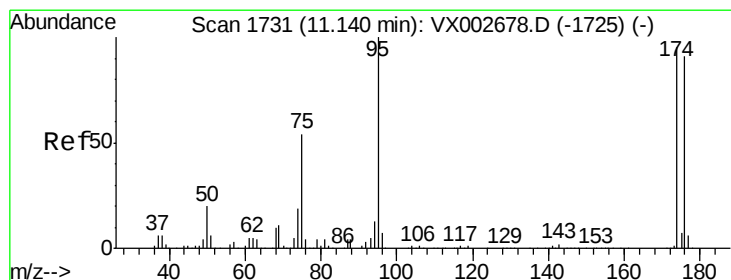
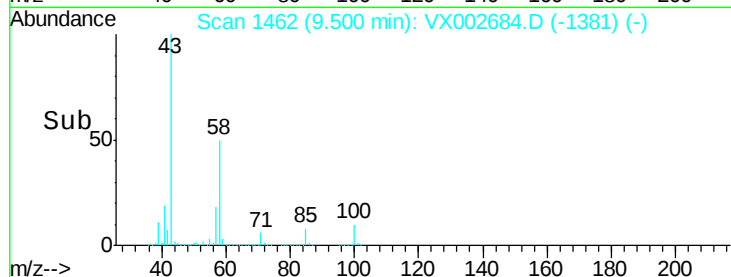
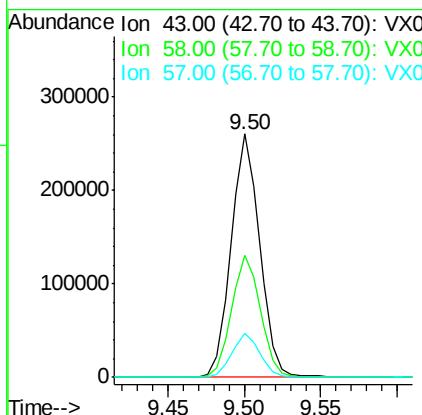
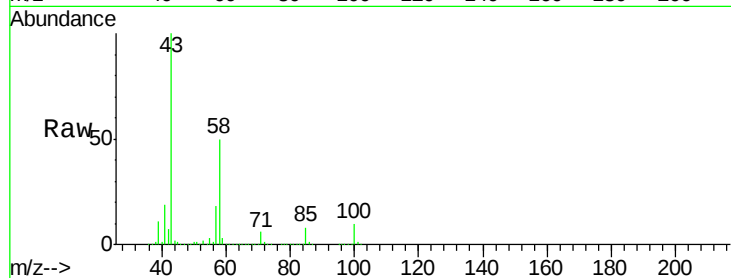
#59
2-Hexanone
Concen: 102.20 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	50.8	39.6	59.4	
57	18.0	14.1	21.1	

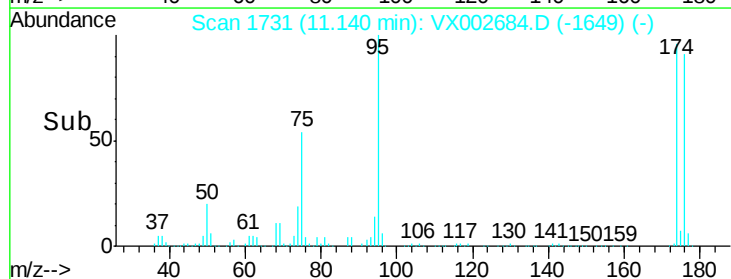
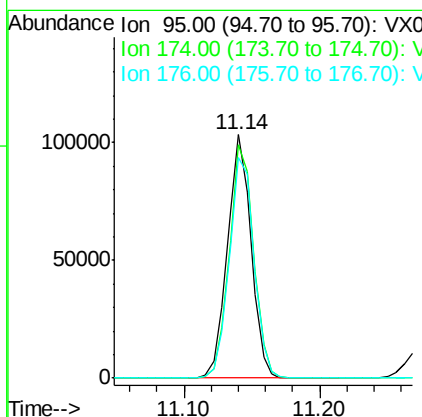
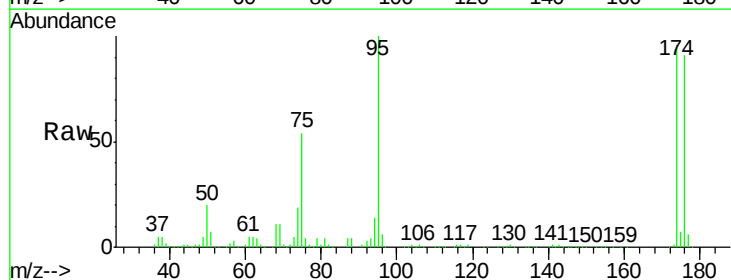
Manual Integrations
APPROVED

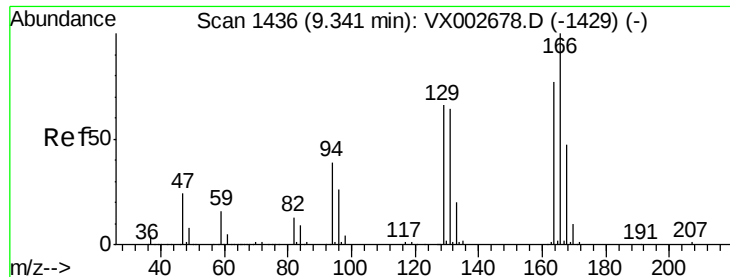
MMDadoda
6/19/2018 1:05:31 PM



#60
4-Bromofluorobenzene
Concen: 29.56 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100			
174	98.6	71.8	107.6	
176	95.1	70.1	105.1	





#61

Tetrachloroethene

Concen: 19.83 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion:164 Resp: 69107

Ion Ratio Lower Upper

164 100

166 127.9 102.4 153.6

129 92.2 70.1 105.1

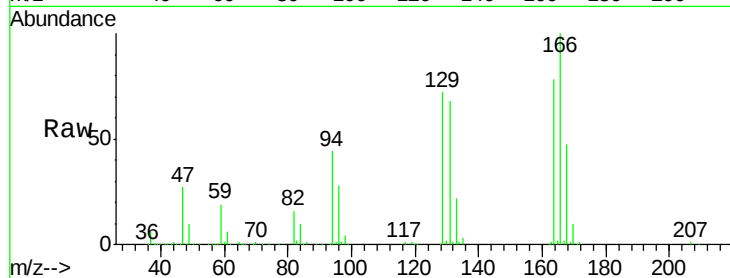
131 87.0 69.1 103.7

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:31 PM

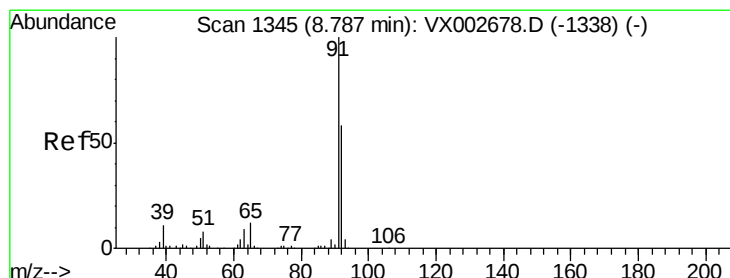
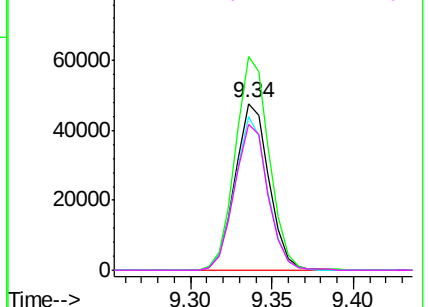
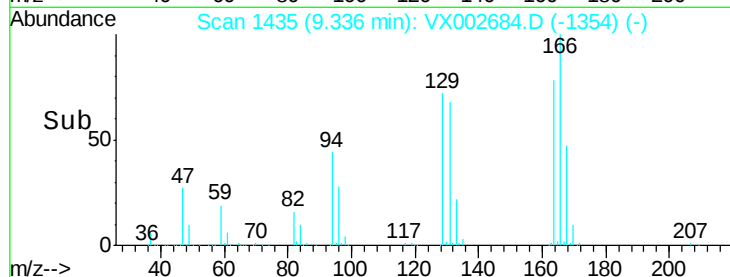


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.77 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002684.D

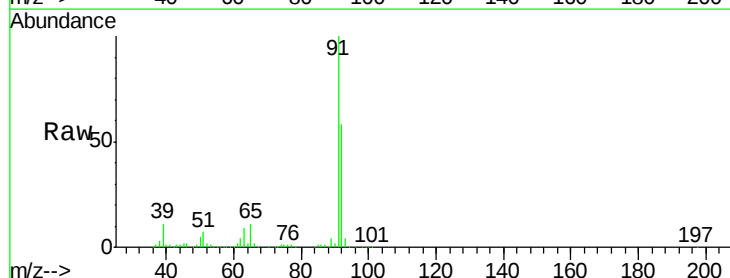
Acq: 18 Jun 2018 17:28

Tgt Ion: 91 Resp: 241926

Ion Ratio Lower Upper

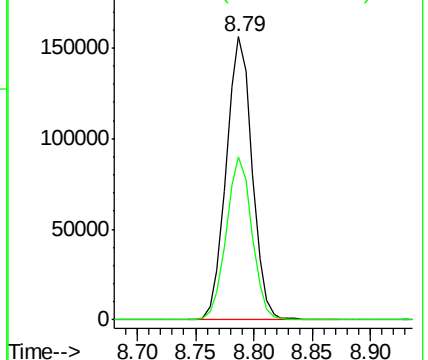
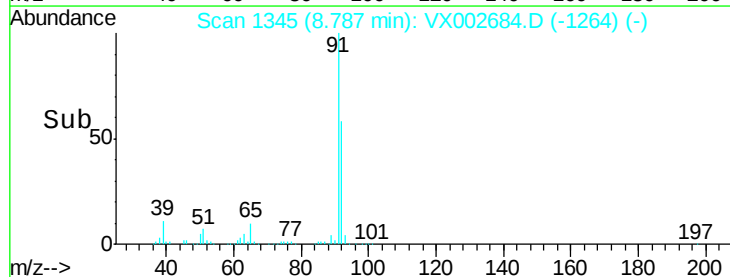
91 100

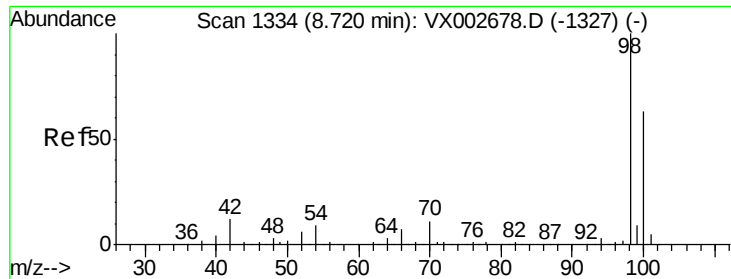
92 56.8 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





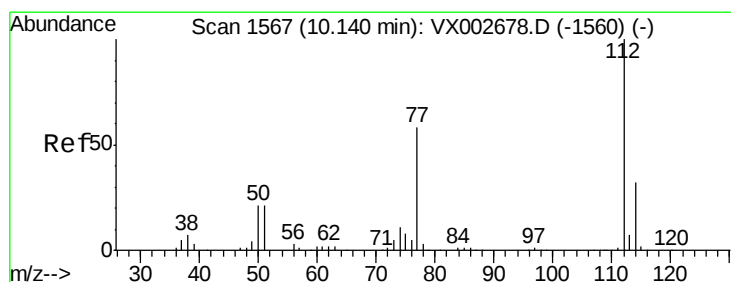
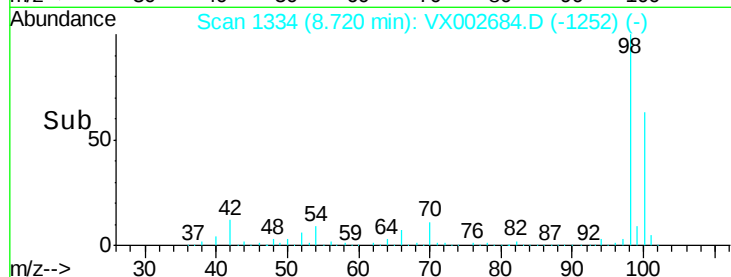
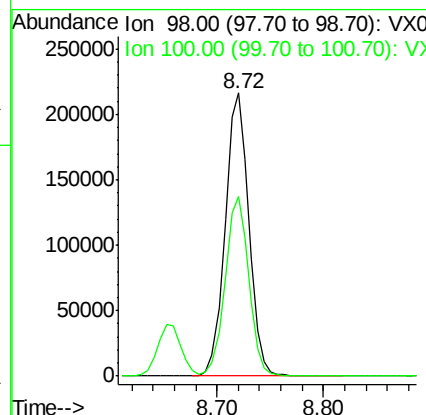
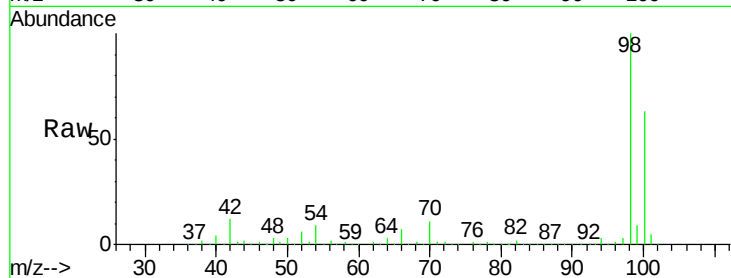
#63
Toluene-d8
Concen: 30.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion: 98 Resp: 335484
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2

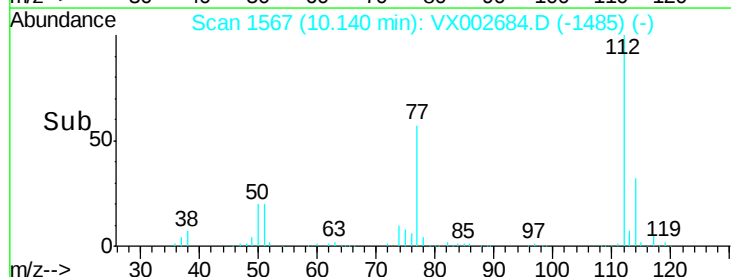
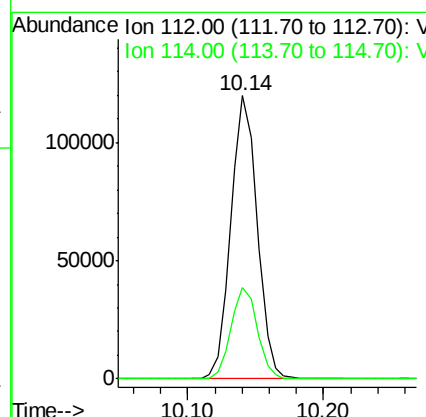
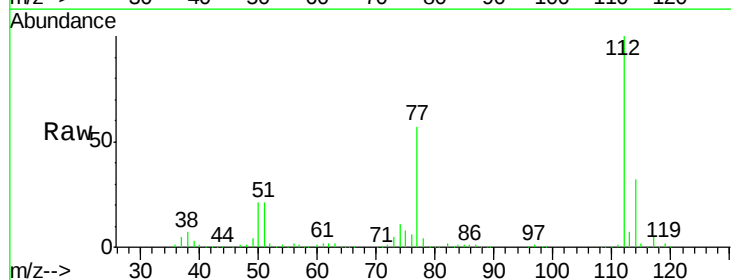
Manual Integrations
APPROVED

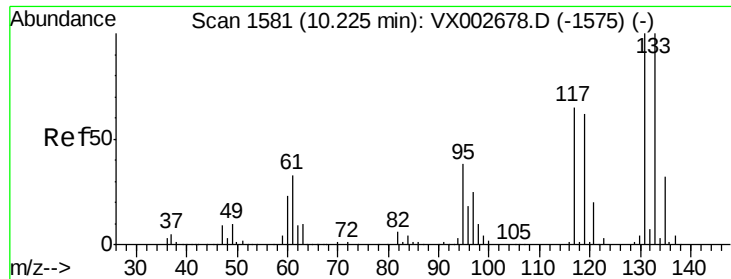
MMDadoda
6/19/2018 1:05:31 PM



#64
Chlorobenzene
Concen: 19.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion: 112 Resp: 161017
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

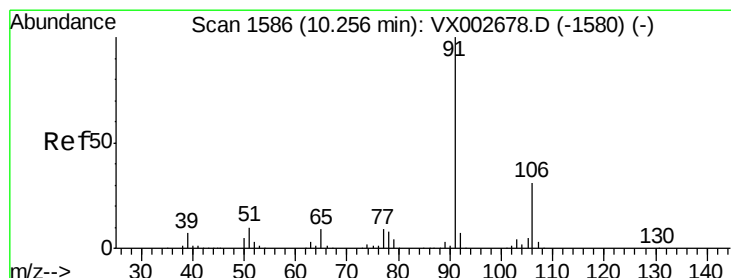
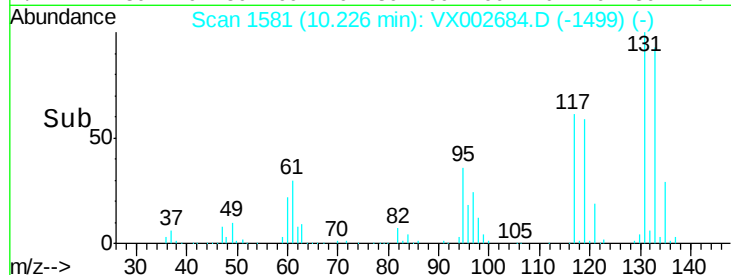
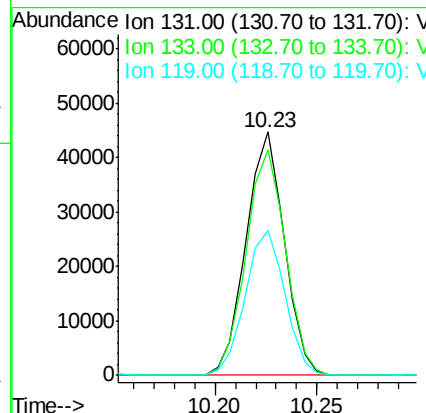
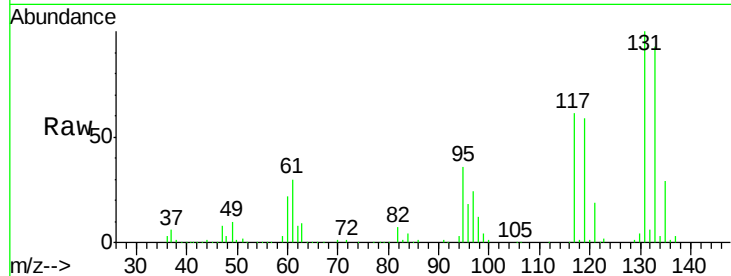
ClientSampleId :

VX0618WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	0.0	191.2
119	61.7	0.0	125.4

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#66

Ethyl Benzene

Concen: 19.63 ug/l

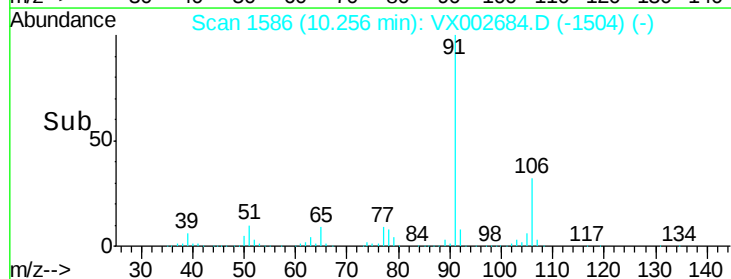
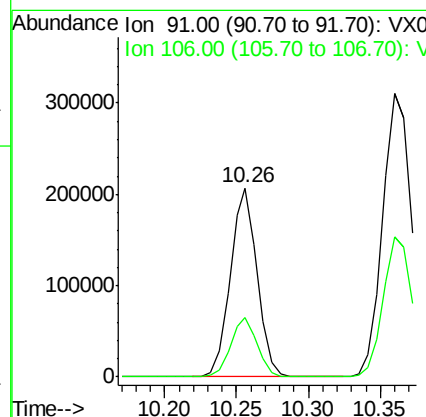
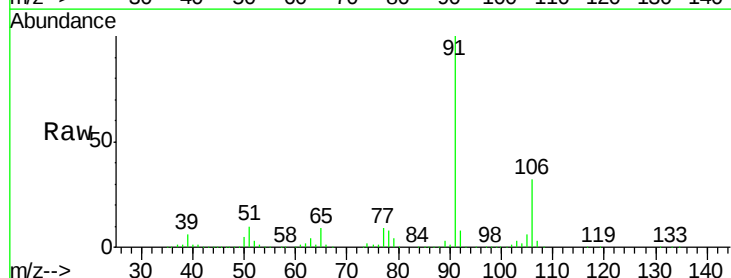
RT: 10.26 min Scan# 1586

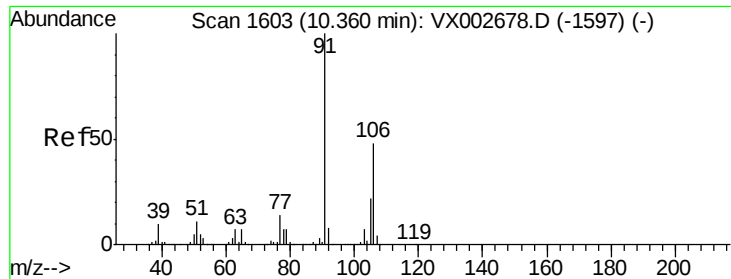
Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.2	37.8





#67

m/p-Xvlenes

Concen: 39.17 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion:106 Resp: 209845

Ion Ratio Lower Upper

106 100

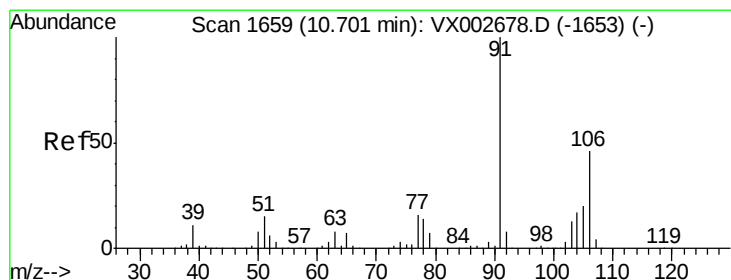
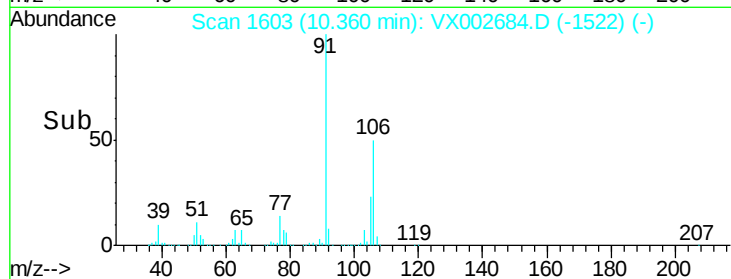
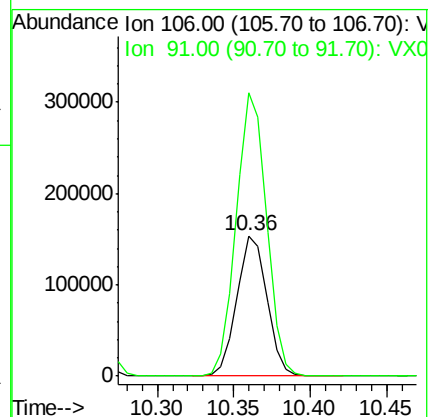
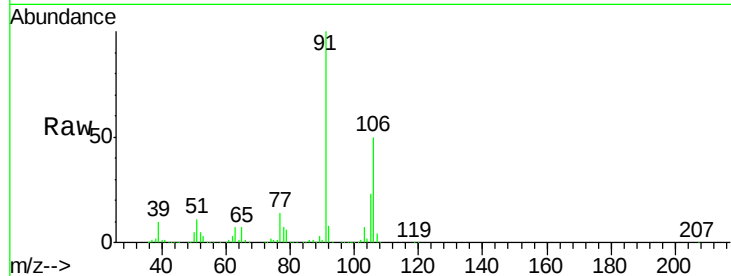
91 203.2 164.1 246.1

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:05:31 PM



#68

o-Xylene

Concen: 19.23 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002684.D

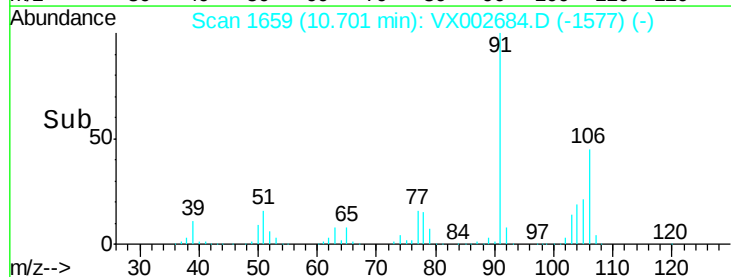
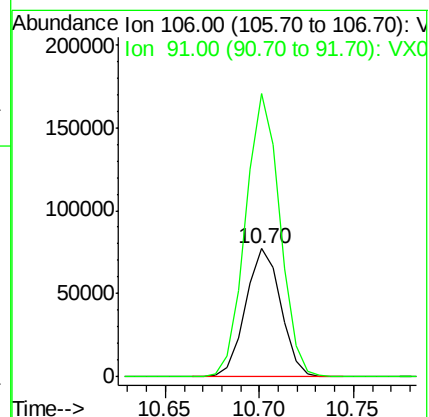
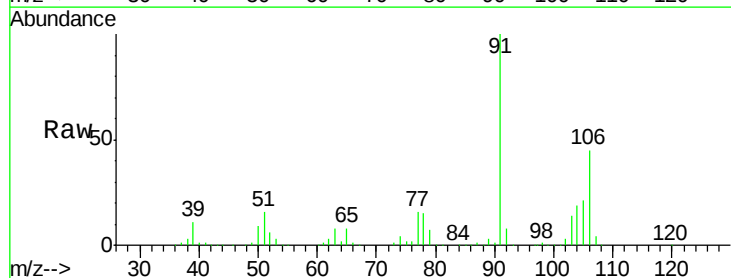
Acq: 18 Jun 2018 17:28

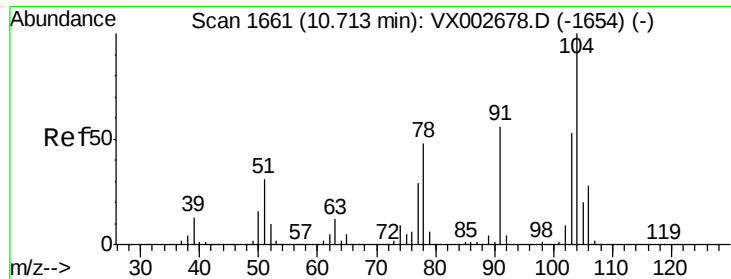
Tgt Ion:106 Resp: 100348

Ion Ratio Lower Upper

106 100

91 215.8 109.1 327.3





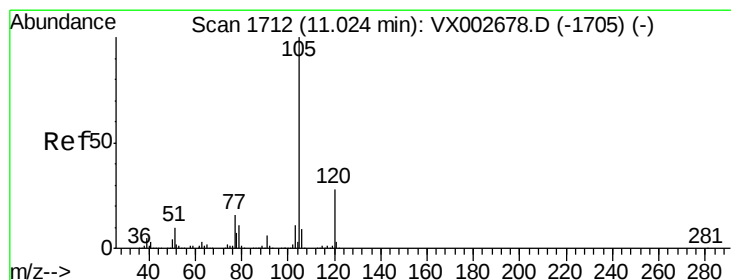
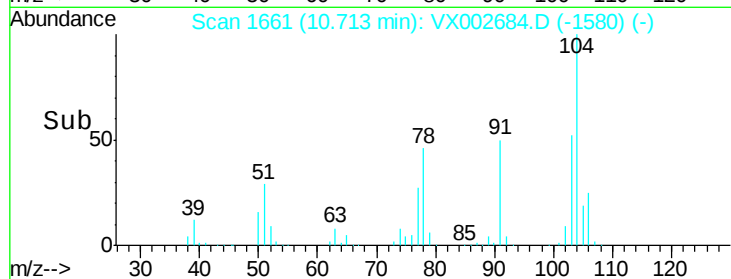
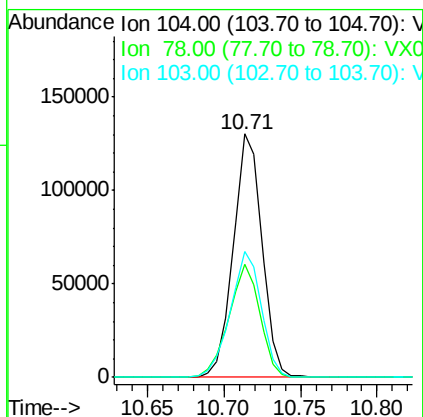
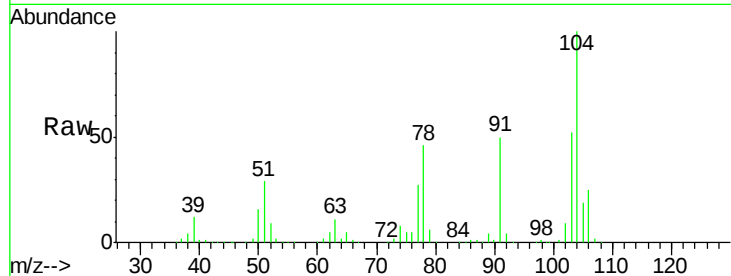
#69
Stvrene
Concen: 19.48 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	41.8	62.8
103	55.6	44.9	67.3

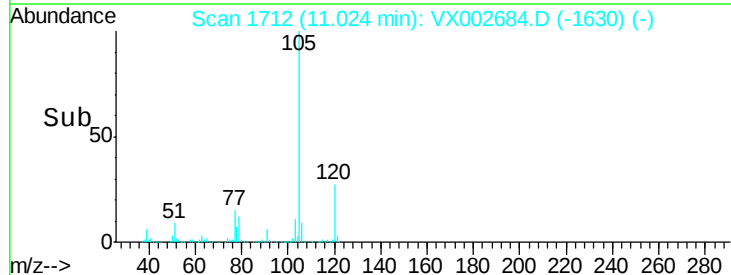
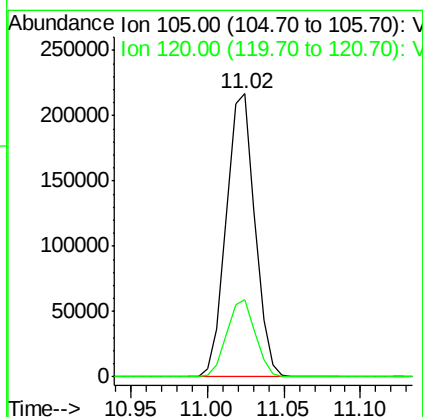
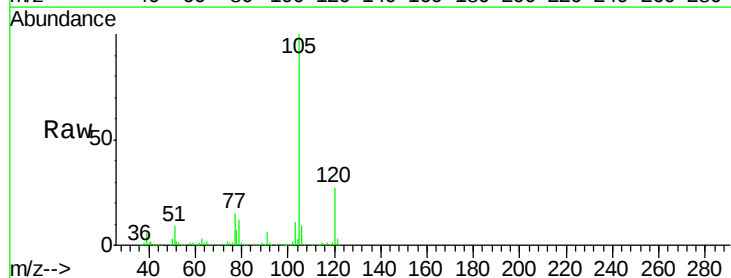
Manual Integrations
APPROVED

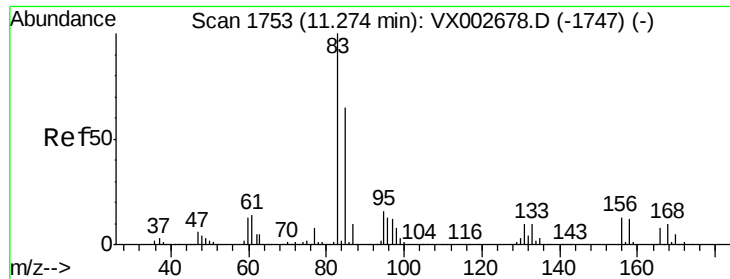
MMDadoda
6/19/2018 1:05:31 PM



#70
Isopropylbenzene
Concen: 19.52 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

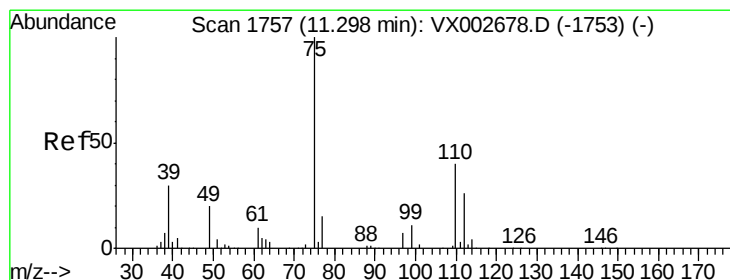
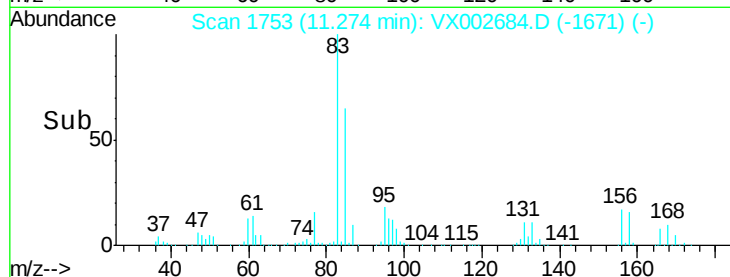
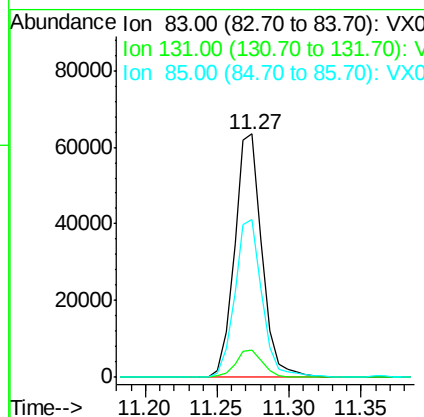
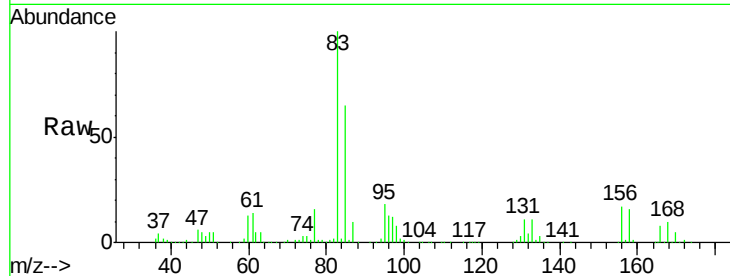
ClientSampleId :

VX0618WBS01

Tot Ion:	83	Resp:	84256
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.7	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#72

1,2,3-Trichloropropane

Concen: 22.90 ug/l m

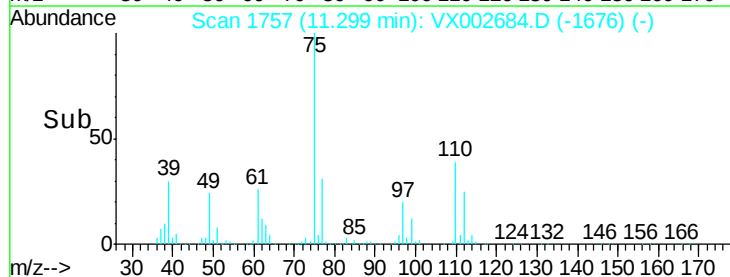
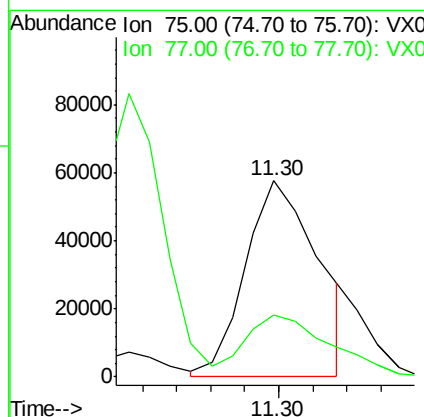
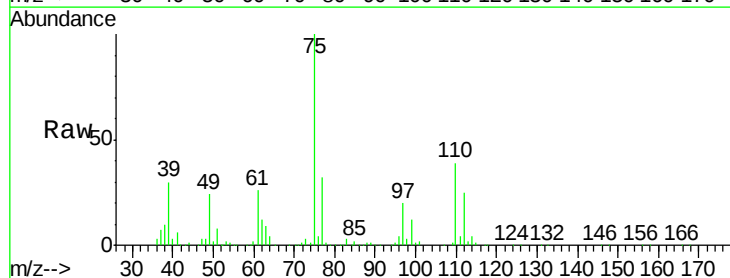
RT: 11.30 min Scan# 1757

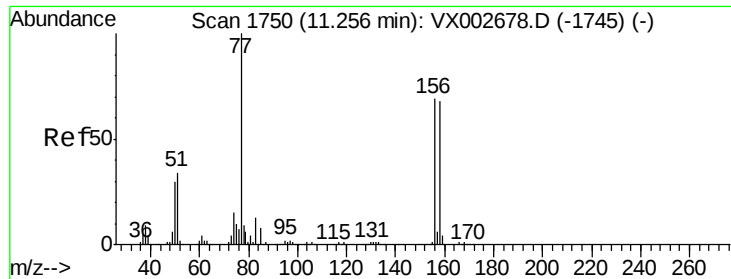
Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Tgt Ion:	75	Resp:	85393
Ion Ratio	Lower	Upper	
75	100		
77	36.8	0.0	71.8





#73

Bromobenzene

Concen: 19.29 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

VX0618WBS01

Tot Ion:156 Resp: 77209

Ion Ratio Lower Upper

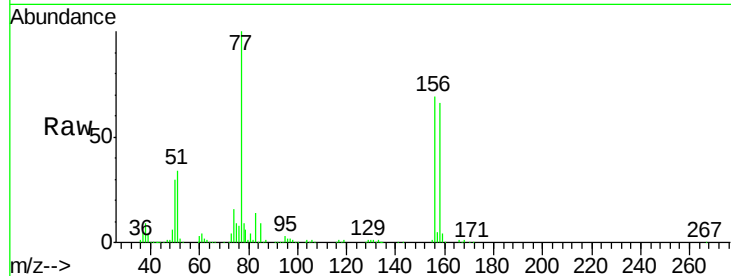
156 100

77 137.8 0.0 301.0

158 96.6 0.0 196.2

Manual Integrations
APPROVED

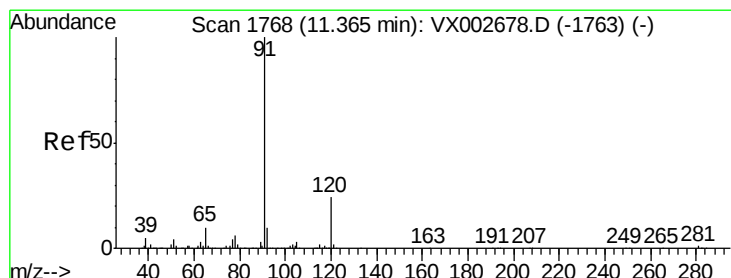
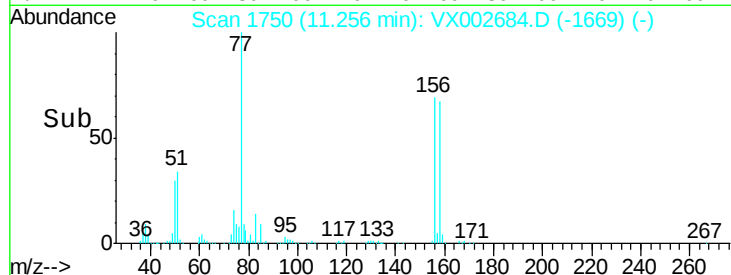
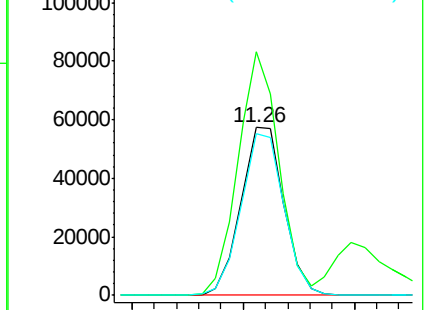
MMDadoda
6/19/2018 1:05:31 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.42 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002684.D

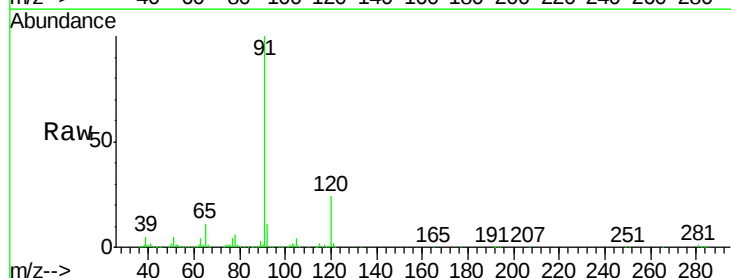
Acq: 18 Jun 2018 17:28

Tgt Ion: 91 Resp: 324495

Ion Ratio Lower Upper

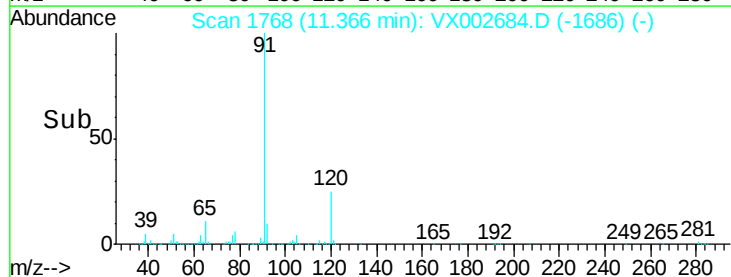
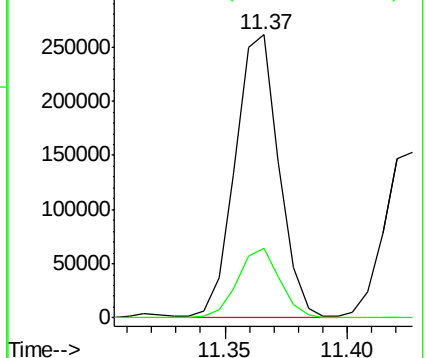
91 100

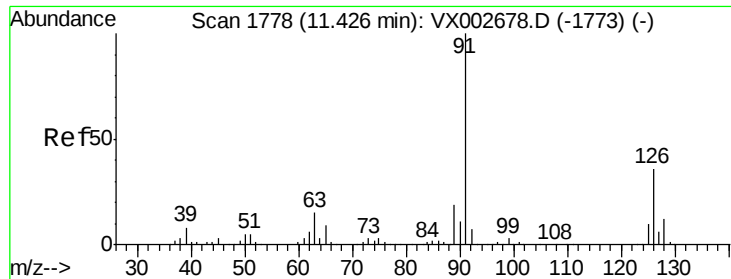
120 23.8 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.94 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 91 Resp: 193844

Ion Ratio Lower Upper

91 100

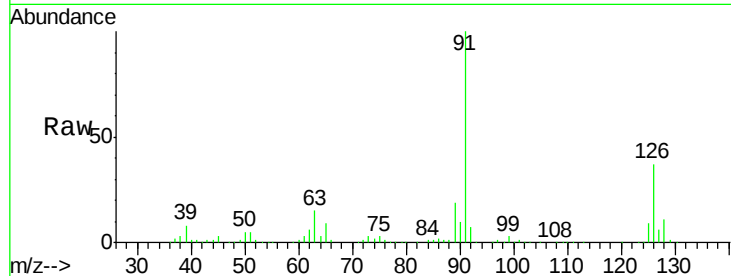
126 35.2 0.0 69.4

Manual Integrations

APPROVED

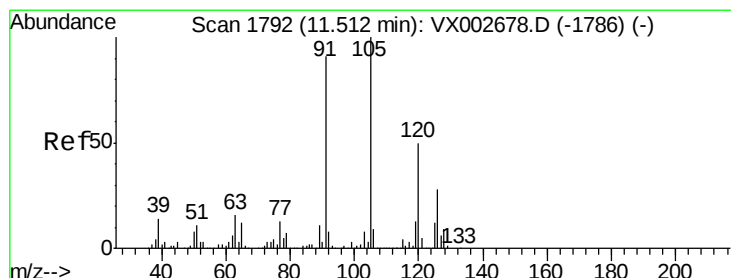
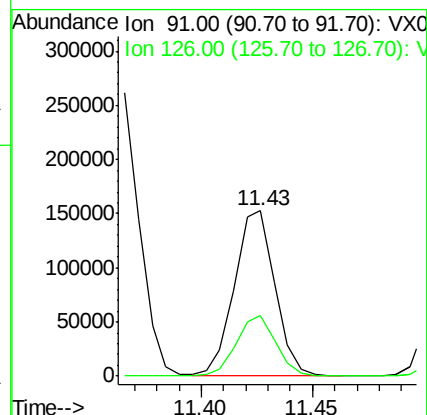
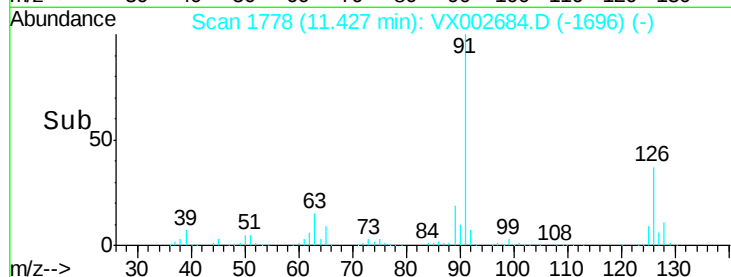
MMDadoda

6/19/2018 1:05:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002684.D

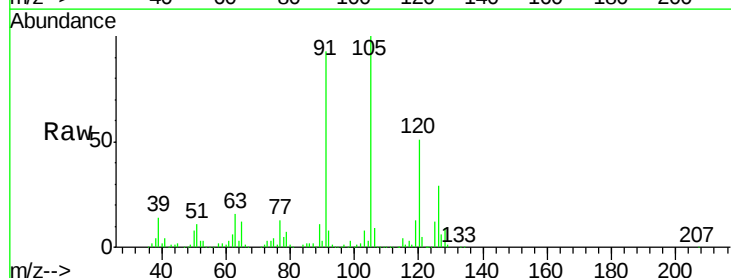
Acq: 18 Jun 2018 17:28

Tgt Ion: 105 Resp: 234826

Ion Ratio Lower Upper

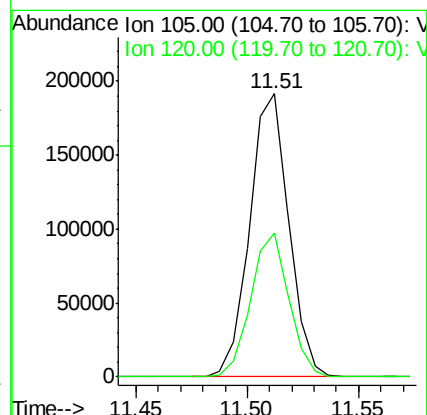
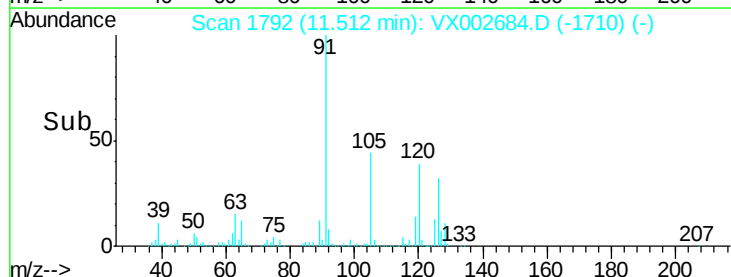
105 100

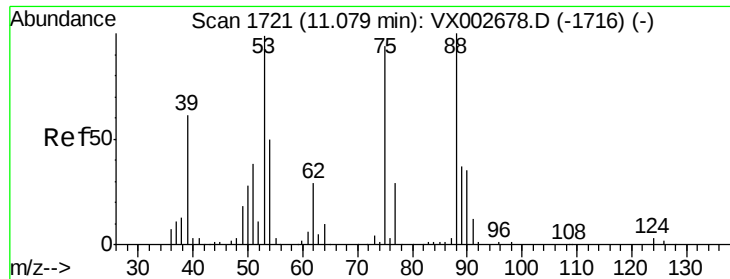
120 49.6 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.77 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002684.D

Acq: 18 Jun 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS01

Tot Ion: 75 Resp: 21312

Ion Ratio Lower Upper

75 100

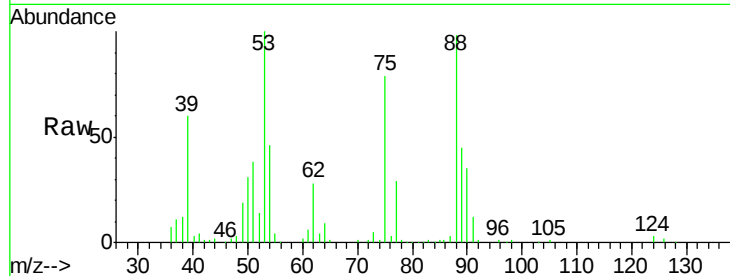
53 126.8 48.3 144.9

89 57.0 21.8 65.4

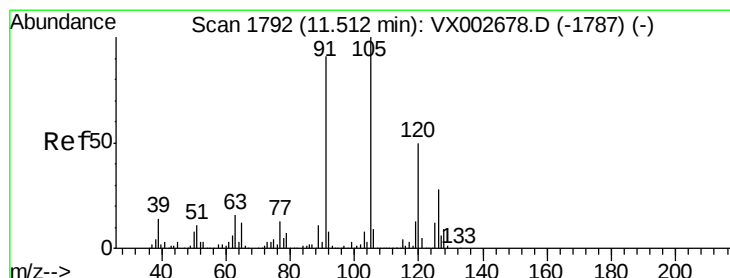
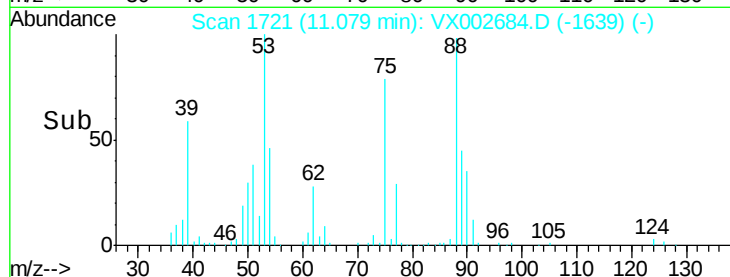
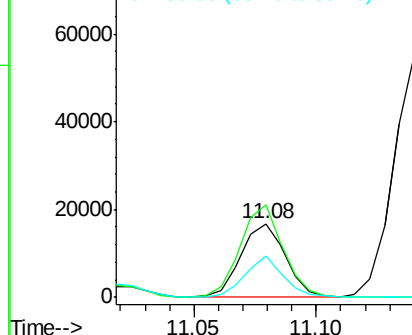
Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:05:31 PM



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.45 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002684.D

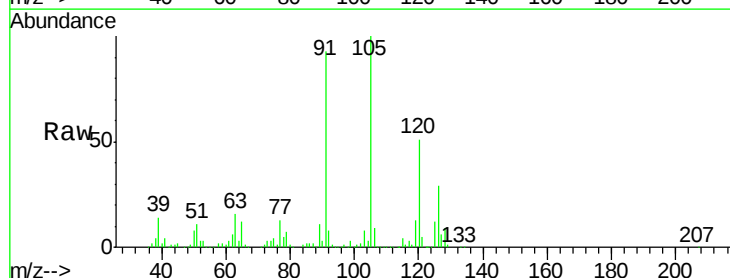
Acq: 18 Jun 2018 17:28

Tgt Ion: 91 Resp: 224016

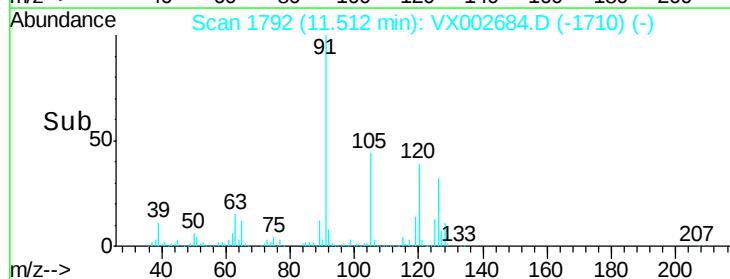
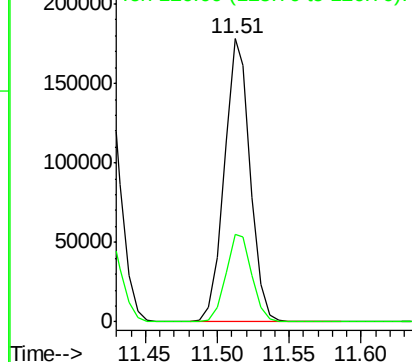
Ion Ratio Lower Upper

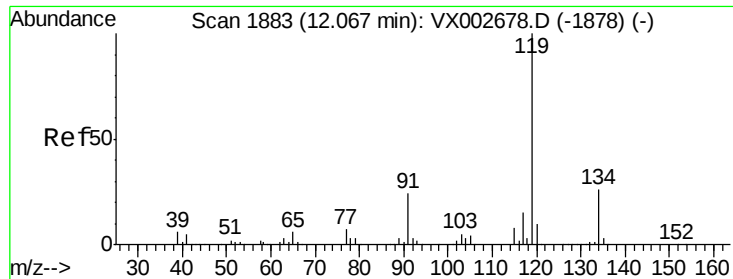
91 100

126 31.3 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





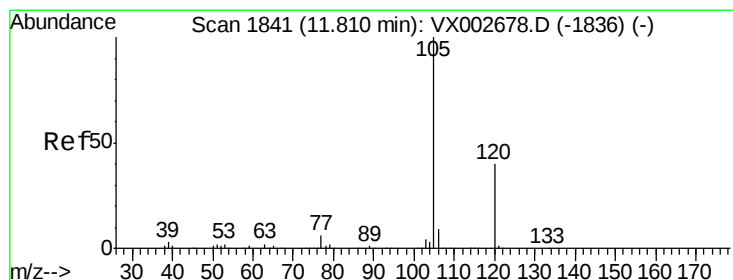
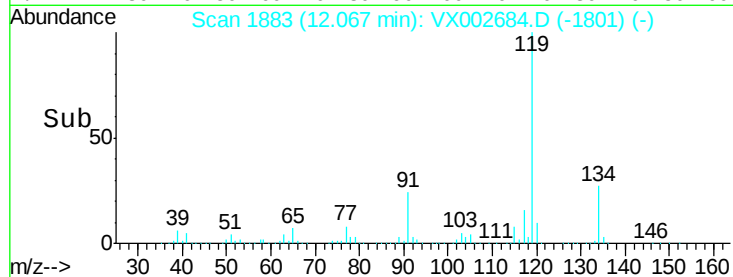
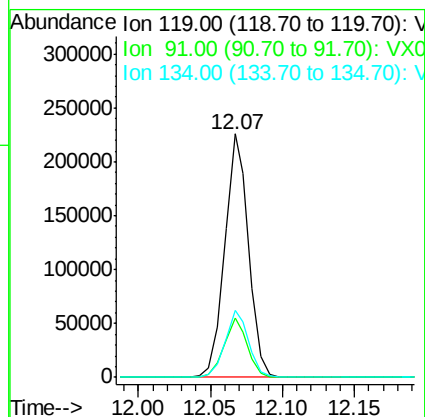
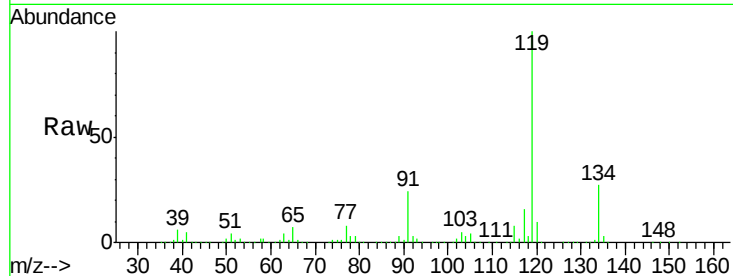
#79
tert-butylbenzene
Concen: 19.40 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	261410		
91	23.5	0.0	48.0	
134	27.1	0.0	52.6	

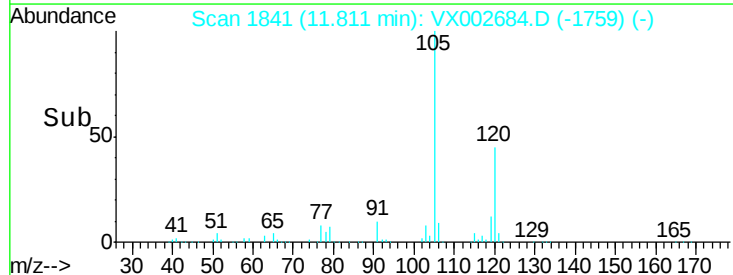
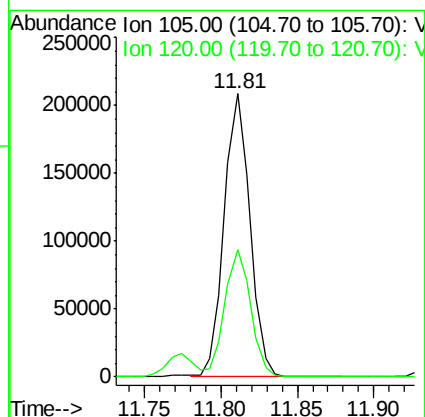
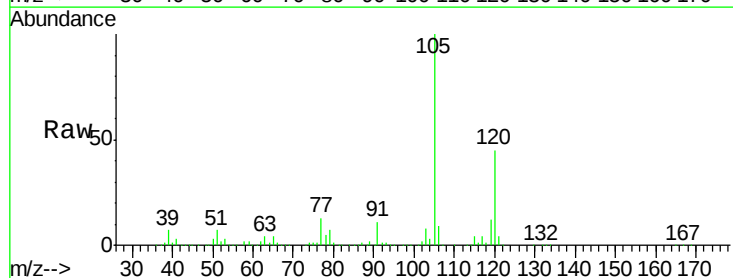
Manual Integrations
APPROVED

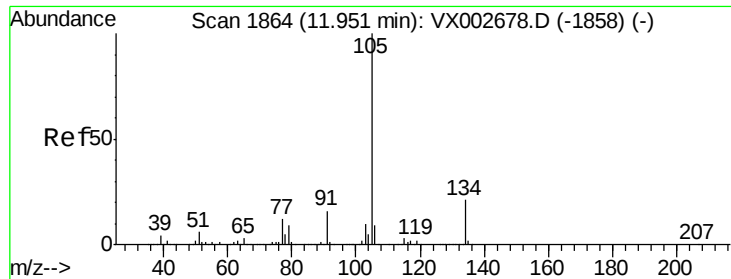
MMDadoda
6/19/2018 1:05:31 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.52 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243568		
120	45.3	0.0	89.2	





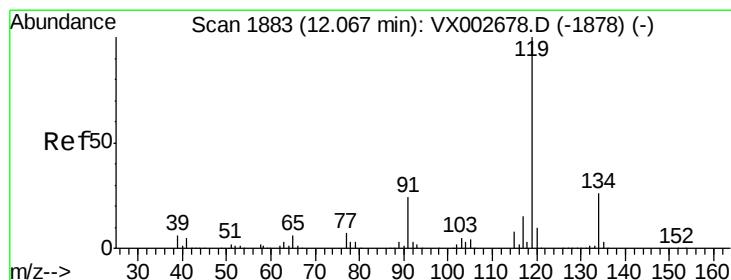
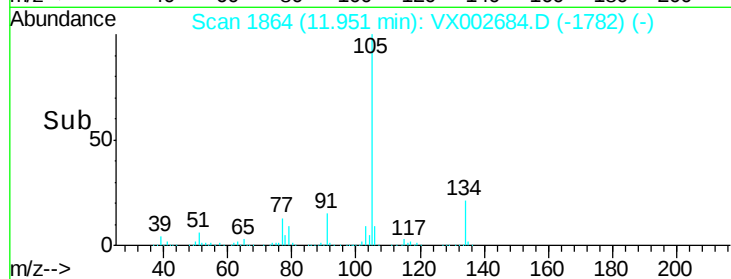
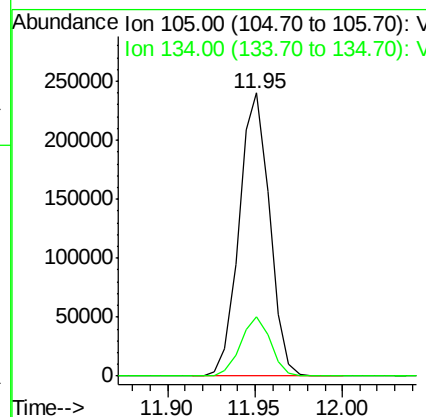
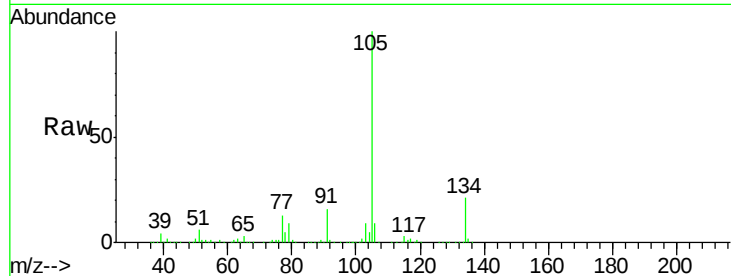
#81
 sec-Butylbenzene
 Concen: 19.46 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	290839		
134	20.6	0.0	41.6	

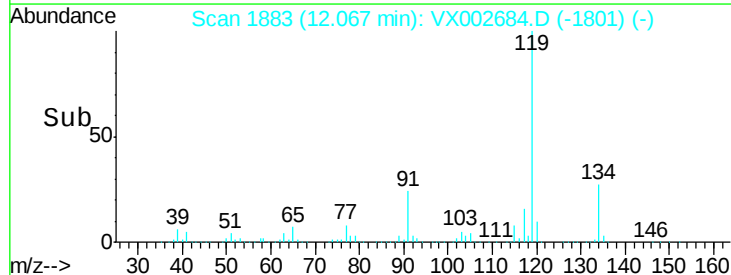
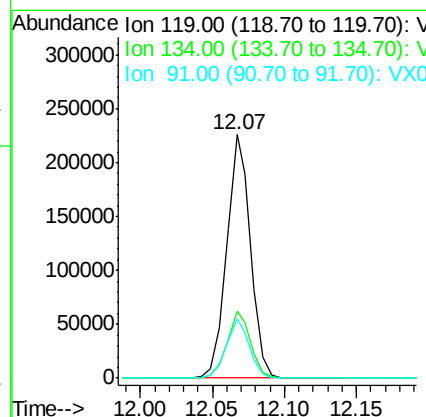
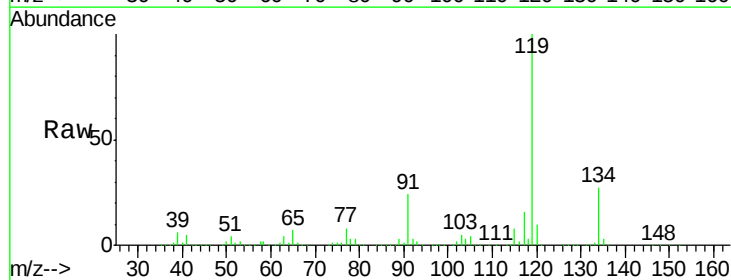
Manual Integrations
 APPROVED

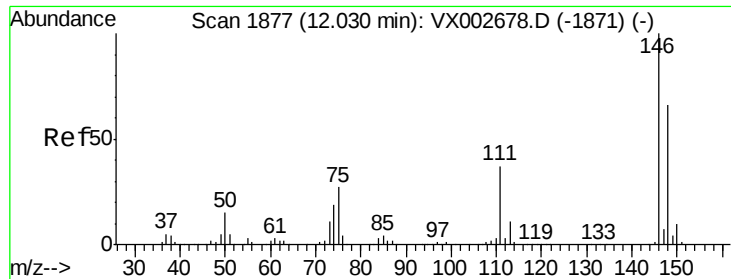
MMDadoda
 6/19/2018 1:05:31 PM



#82
 p-Isopropyltoluene
 Concen: 19.40 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261410		
134	27.1	0.0	52.6	
91	23.5	0.0	48.0	





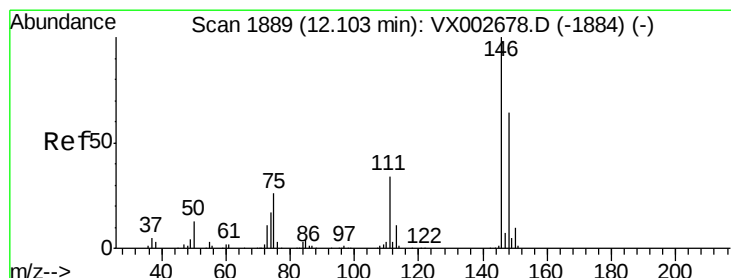
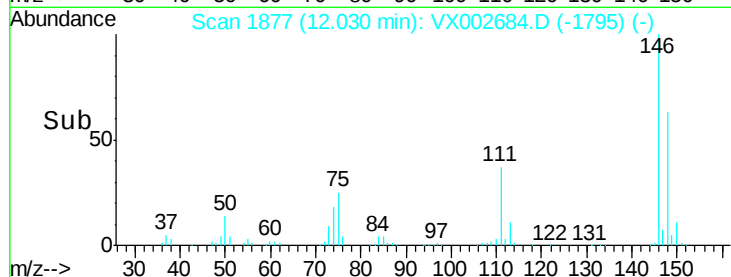
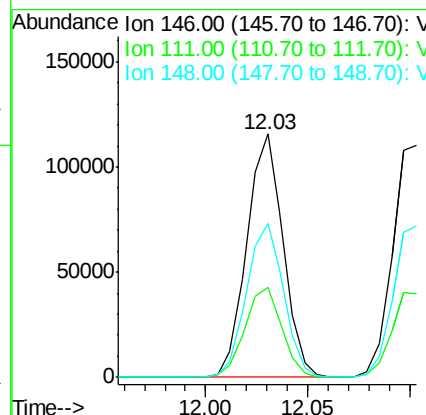
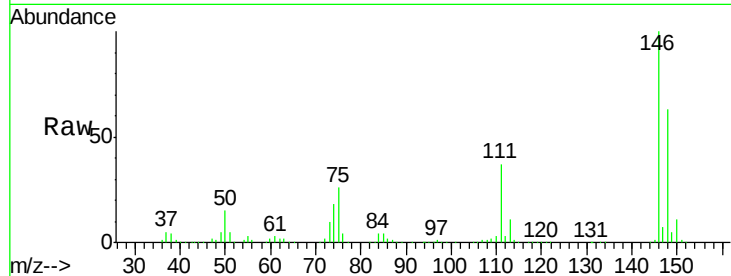
#83
 1,3-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.5
148	64.2	31.9	95.7

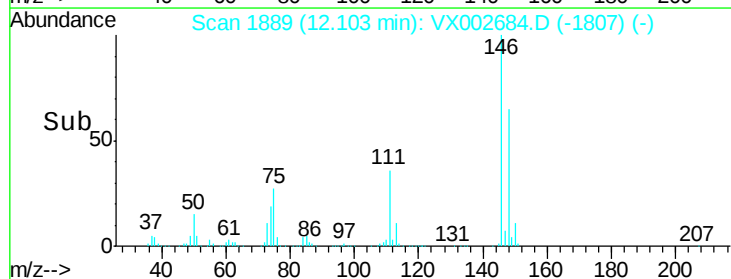
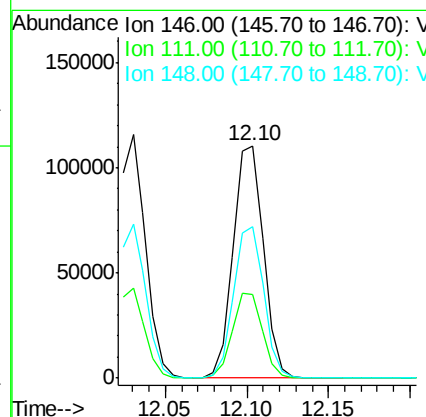
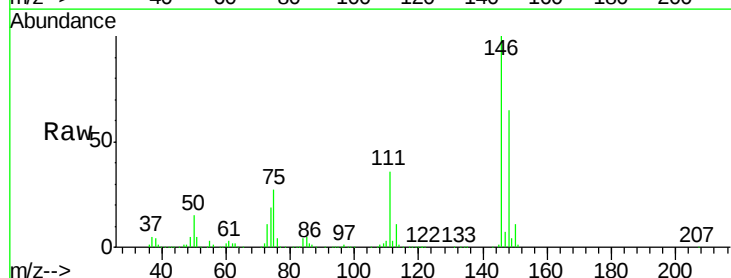
Manual Integrations
 APPROVED

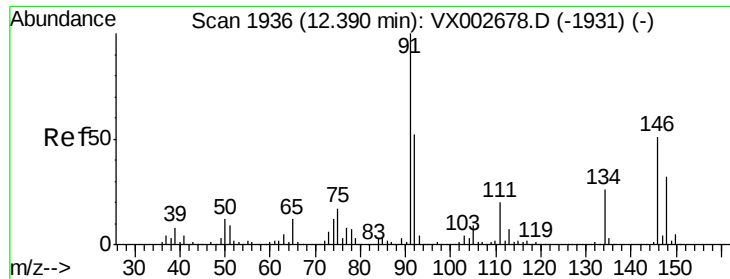
MMDadoda
 6/19/2018 1:05:31 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	64.7	32.0	96.0





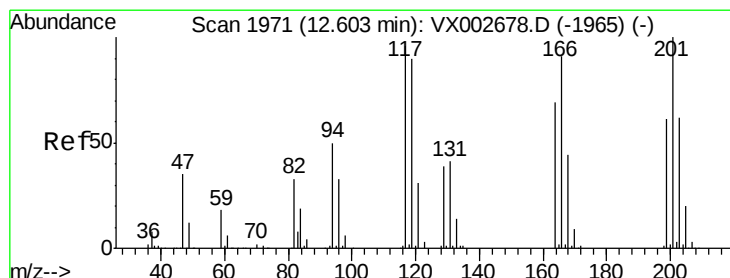
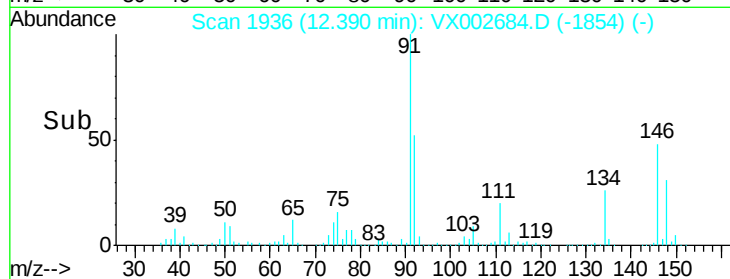
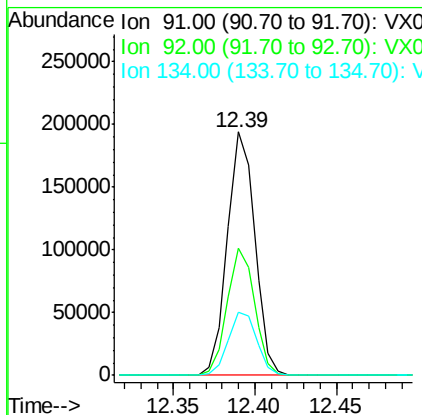
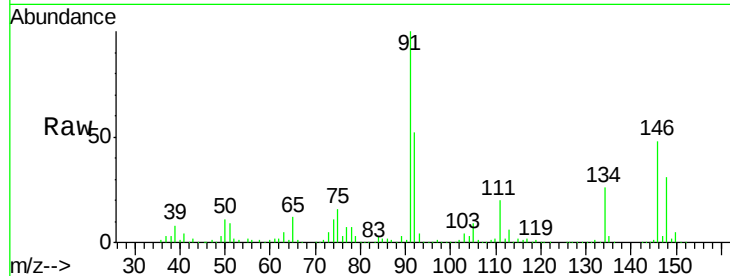
#85
n-Butylbenzene
Concen: 19.12 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	105.2
134	26.7	0.0	53.2

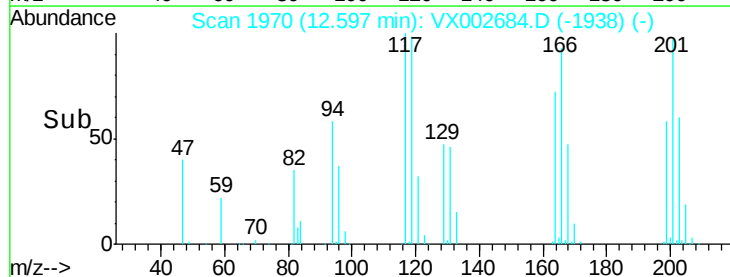
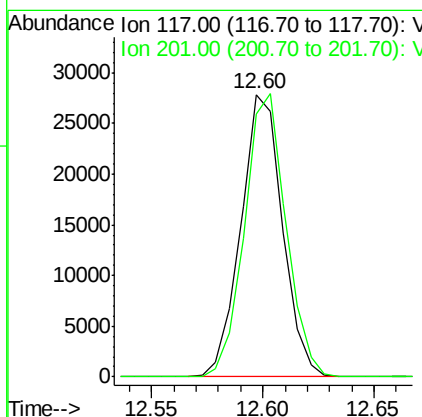
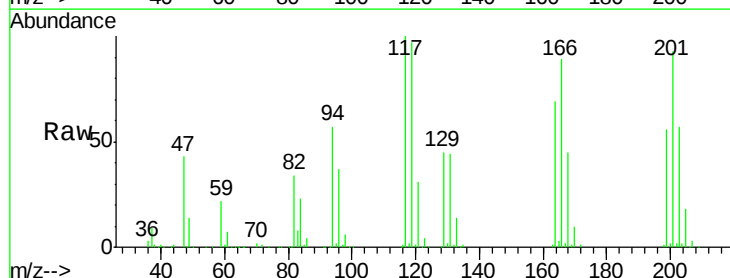
Manual Integrations
APPROVED

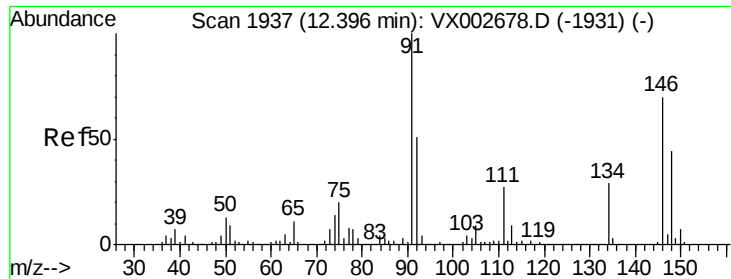
MMDadoda
6/19/2018 1:05:31 PM



#86
Hexachloroethane
Concen: 17.82 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.6	47.6	142.8





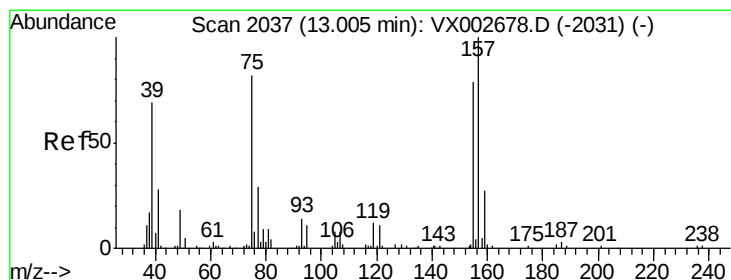
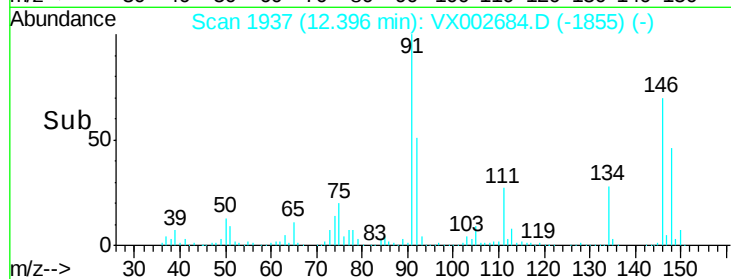
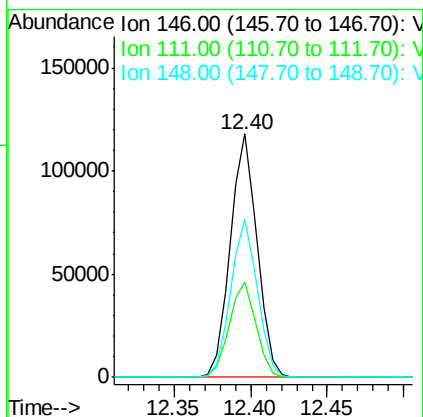
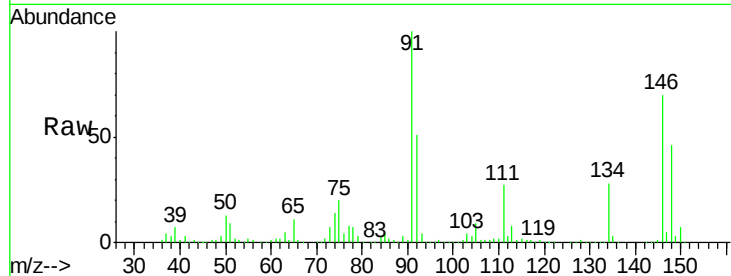
#87
 1,2-Dichlorobenzene
 Concen: 19.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	142906		
111	39.1	20.0	59.9	
148	64.7	32.8	98.3	

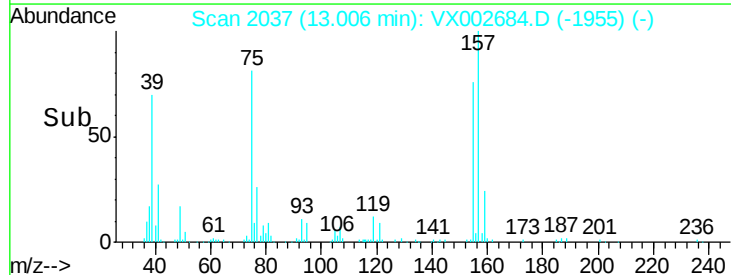
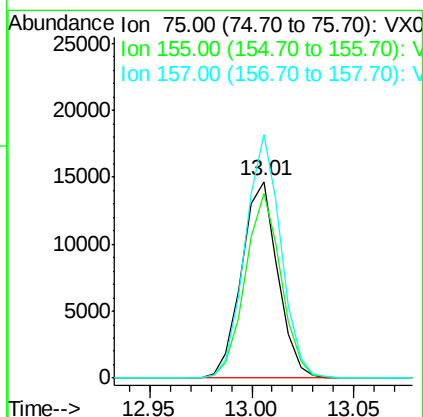
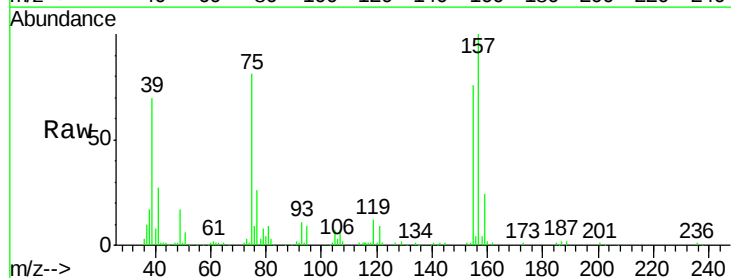
Manual Integrations
 APPROVED

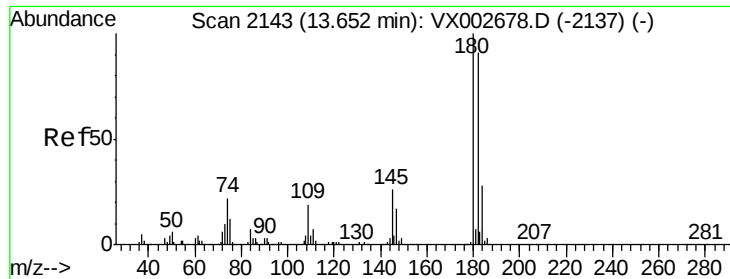
MMDadoda
 6/19/2018 1:05:31 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.87 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002684.D
 Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18140		
155	93.0	73.1	109.7	
157	121.7	93.1	139.7	





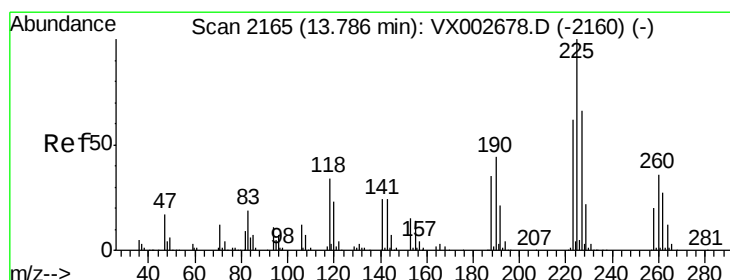
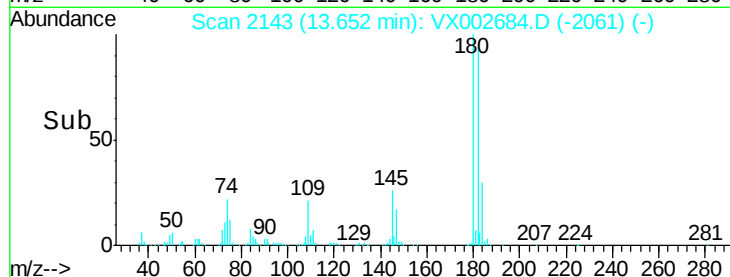
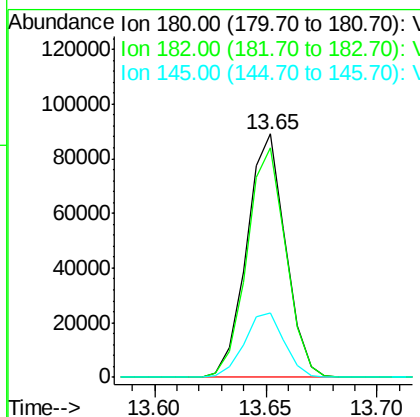
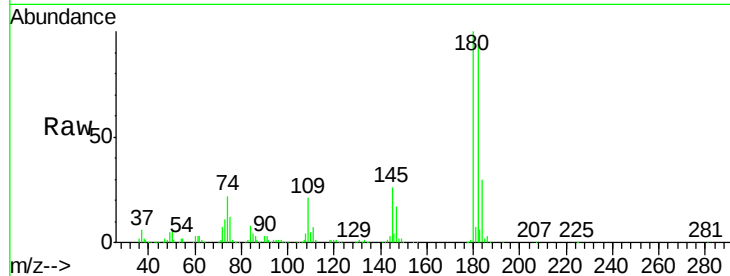
#89
1,2,4-Trichlorobenzene
Concen: 19.27 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108201		
182	94.8	76.4	114.6	
145	27.5	22.9	34.3	

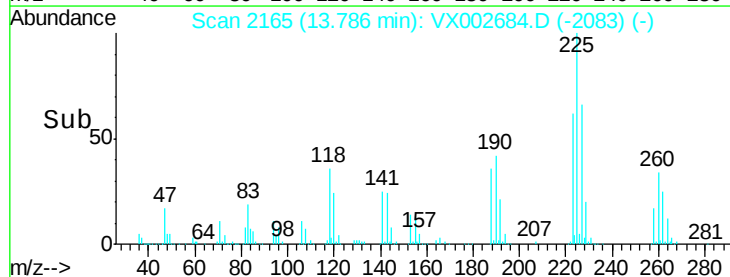
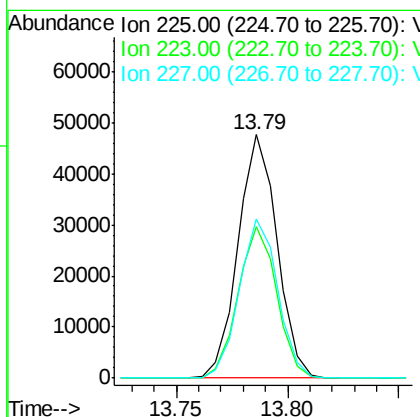
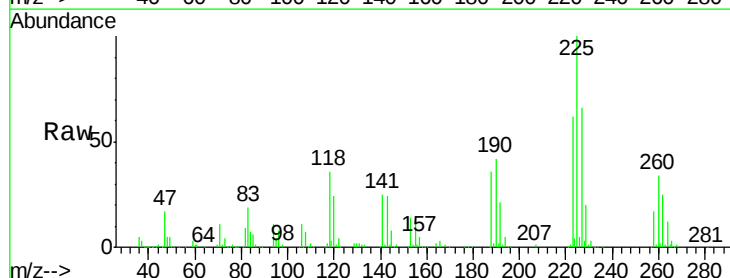
Manual Integrations
APPROVED

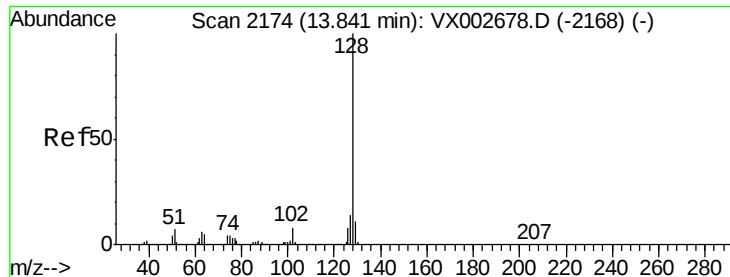
MMDadoda
6/19/2018 1:05:31 PM



#90
Hexachlorobutadiene
Concen: 19.91 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58197		
223	61.7	0.0	122.4	
227	64.6	0.0	128.0	





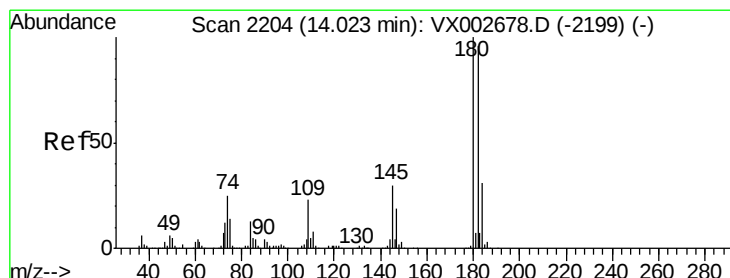
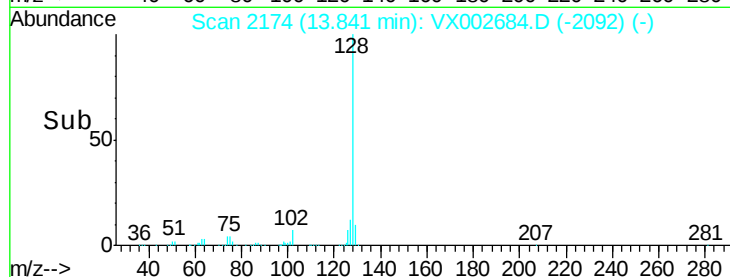
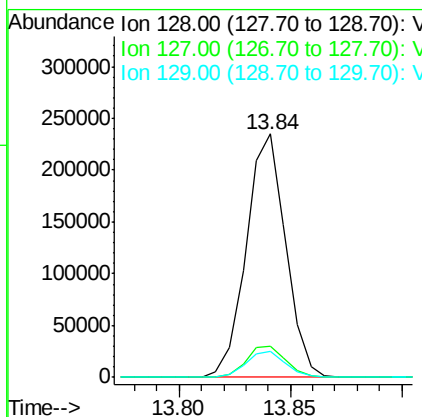
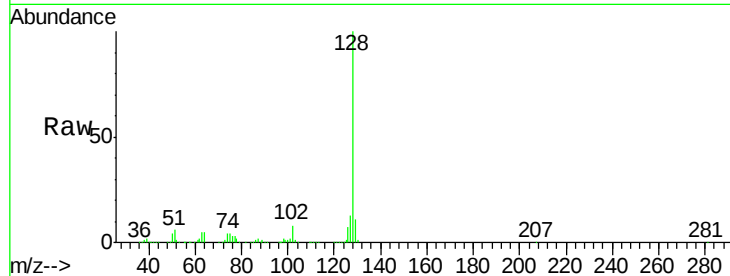
#91
Naphthalene
Concen: 19.50 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:31 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.45 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002684.D
Acq: 18 Jun 2018 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	191.0
145	29.4	0.0	60.6

