

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001914.D
 Acq On : 23 May 2018 00:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:47 AM

Quant Time: May 23 01:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165527	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	5.51	113	143910	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
50) Toluene-d8	8.72	98	523791	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	11.15	95	171826	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109741	44.32	ug/l	99
3) Chloromethane	1.32	50	130020	48.61	ug/l	99
4) Vinyl Chloride	1.40	62	138426	47.87	ug/l	100
5) Bromomethane	1.64	94	59347	48.68	ug/l	95
6) Chloroethane	1.72	64	91831	50.42	ug/l	99
7) Trichlorofluoromethane	1.93	101	205180	48.83	ug/l	100
8) Diethyl Ether	2.19	74	89356	51.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121673	48.10	ug/l	99
10) Methyl Iodide	2.51	142	142148	61.07	ug/l	99
11) Tert butyl alcohol	3.09	59	184155	313.62	ug/l	100
12) 1,1-Dichloroethene	2.37	96	115696	47.44	ug/l	97
13) Acrolein	2.30	56	49828	119.65	ug/l	97
14) Allyl chloride	2.73	41	234738	52.07	ug/l	98
15) Acrylonitrile	3.15	53	430456	291.87	ug/l	100
16) Acetone	2.45	43	377190	290.37	ug/l	98
17) Carbon Disulfide	2.57	76	251066	39.46	ug/l	99
18) Methyl Acetate	2.78	43	248472	65.43	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	438362	53.33	ug/l	98
20) Methylene Chloride	2.86	84	139025	50.00	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	125411	46.68	ug/l	98
22) Diisopropyl ether	3.88	45	486583	56.27	ug/l	99
23) Vinyl Acetate	3.83	43	1631718	261.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	248244	52.34	ug/l	100
25) 2-Butanone	4.72	43	633773	318.67	ug/l	98
26) 2,2-Dichloropropane	4.59	77	137907	36.12	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	159296	52.11	ug/l	98
28) Bromochloromethane	5.03	49	133353	63.30	ug/l	99
29) Tetrahydrofuran	5.18	42	409812	316.12	ug/l	98
30) Chloroform	5.22	83	273483	54.90	ug/l	98
31) Cyclohexane	5.58	56	205517	49.44	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	232298	53.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	186718	50.85	ug/l	99
37) Ethyl Acetate	4.87	43	234113	61.18	ug/l	99
38) Carbon Tetrachloride	5.78	117	206734	53.75	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001914.D
 Acq On : 23 May 2018 00:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:47 AM

Quant Time: May 23 01:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	209629	48.86	ug/l	97
40) Benzene	6.15	78	587408	54.30	ug/l	100
41) Methacrylonitrile	5.07	41	134921	60.97	ug/l	99
42) 1,2-Dichloroethane	6.20	62	215793	55.15	ug/l	99
43) Isopropyl Acetate	6.48	43	358568	59.87	ug/l	99
44) Trichloroethene	7.22	130	178490	53.16	ug/l	100
45) 1,2-Dichloropropane	7.52	63	152212	57.34	ug/l	98
46) Dibromomethane	7.67	93	103071	55.29	ug/l	99
47) Bromodichloromethane	7.90	83	205248	59.34	ug/l	98
48) Methyl methacrylate	7.79	41	196390	62.30	ug/l	97
49) 1,4-Dioxane	7.76	88	85459	1407.95	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1261852	332.46	ug/l	99
52) Toluene	8.79	92	381540	54.89	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	223122	54.82	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	202174	56.36	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	152295	57.31	ug/l	98
56) Ethyl methacrylate	9.19	69	213712	56.71	ug/l	100
57) 1,3-Dichloropropane	9.38	76	247315	55.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	605978	312.62	ug/l	100
59) 2-Hexanone	9.51	43	845743	311.28	ug/l	99
60) Dibromochloromethane	9.59	129	154466	56.77	ug/l	100
61) 1,2-Dibromoethane	9.68	107	150239	54.01	ug/l	99
64) Tetrachloroethene	9.34	164	214418	61.18	ug/l	100
65) Chlorobenzene	10.15	112	391688	52.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	150101	57.39	ug/l	99
67) Ethyl Benzene	10.26	91	633244	53.50	ug/l	100
68) m/p-Xylenes	10.37	106	507961	108.78	ug/l	100
69) o-Xylene	10.71	106	247001	55.23	ug/l	100
70) Styrene	10.72	104	419768	56.91	ug/l	100
71) Bromoform	10.87	173	129611	53.05	ug/l	100
73) Isopropylbenzene	11.02	105	669018	55.93	ug/l	100
74) N-amyl acetate	6.48	43	358568	62.52	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	204789	57.07	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	202394m	58.60	ug/l	
77) Bromobenzene	11.26	156	192338	54.72	ug/l	99
78) n-propylbenzene	11.37	91	742210	55.07	ug/l	99
79) 2-Chlorotoluene	11.43	91	442914	54.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	555519	56.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	52662	45.74	ug/l	96
82) 4-Chlorotoluene	11.52	91	515750	54.32	ug/l	99
83) tert-Butylbenzene	11.77	119	539816	55.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	576333	56.71	ug/l	100
85) sec-Butylbenzene	11.95	105	676352	56.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	620529	55.63	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	345329	53.12	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	348241	51.81	ug/l	100
89) n-Butylbenzene	12.40	91	506826	52.53	ug/l	100
90) Hexachloroethane	12.60	117	100899	58.24	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	352707	54.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49497	64.63	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
Data File : VX001914.D
Acq On : 23 May 2018 00:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM

Quant Time: May 23 01:17:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	270873	52.47	ug/l	99
94) Hexachlorobutadiene	13.79	225	146697	52.93	ug/l	100
95) Naphthalene	13.84	128	793060	59.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283564	54.54	ug/l	100

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

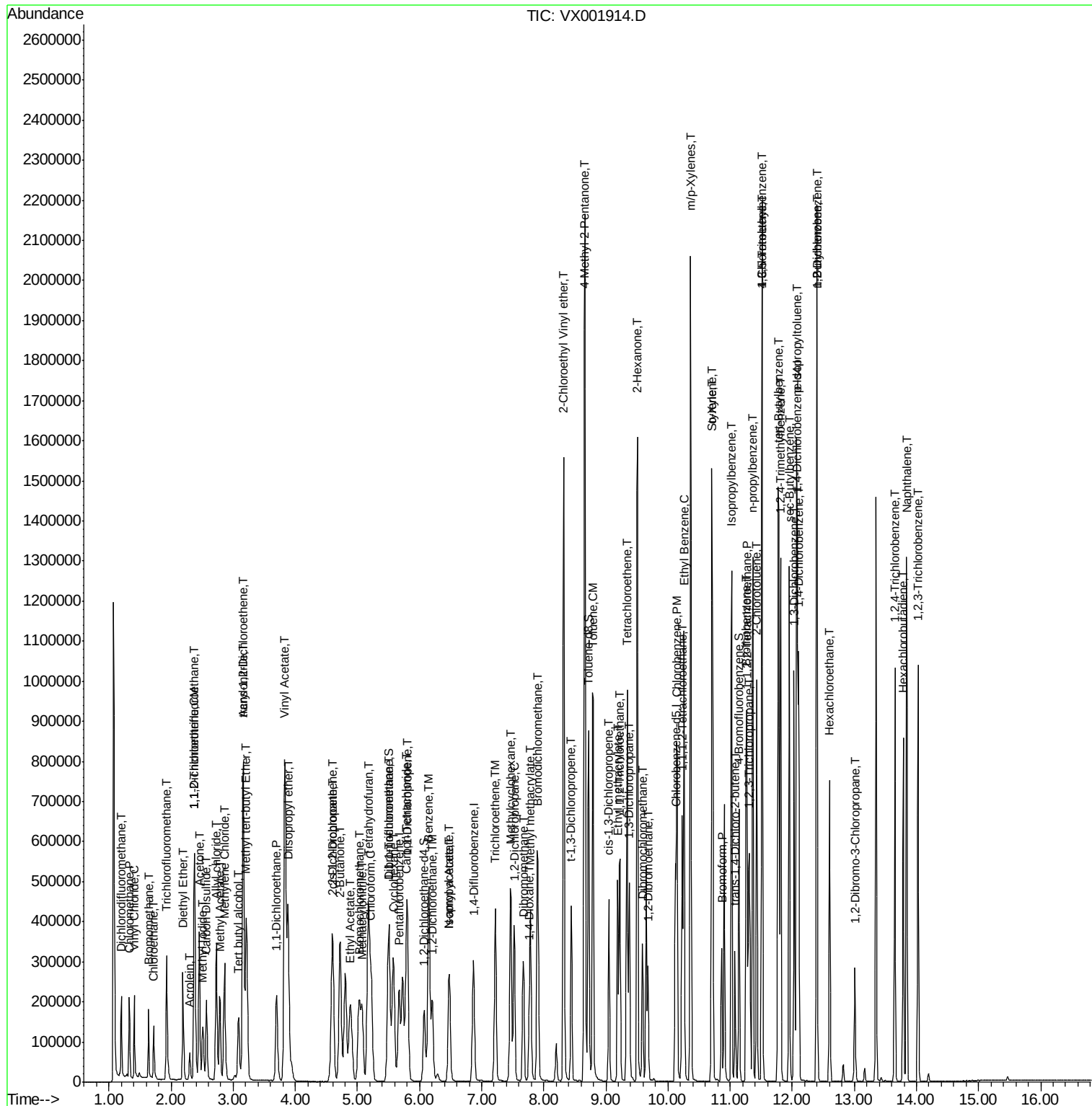
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001914.D
 Acq On : 23 May 2018 00:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

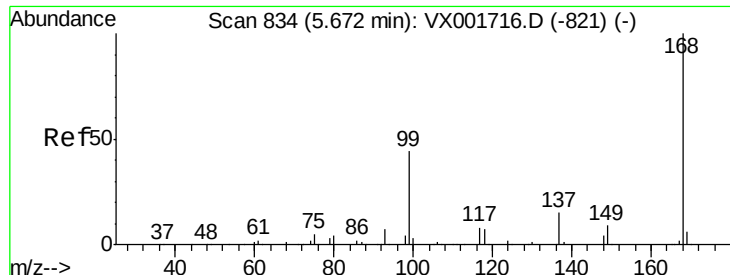
Instrument :
 MSVOA_X
 Client Sample Id :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:47 AM

Quant Time: May 23 01:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 246745

Ion Ratio Lower Upper

168 100

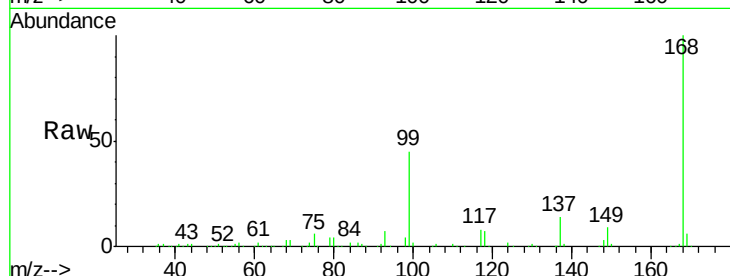
99 45.0 35.0 52.4

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

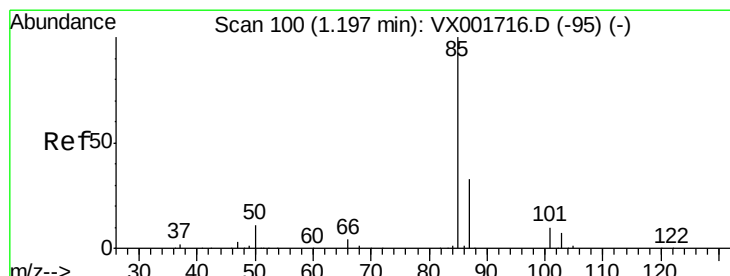
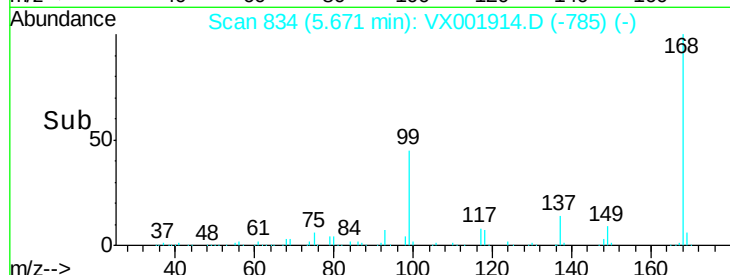
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001914.D

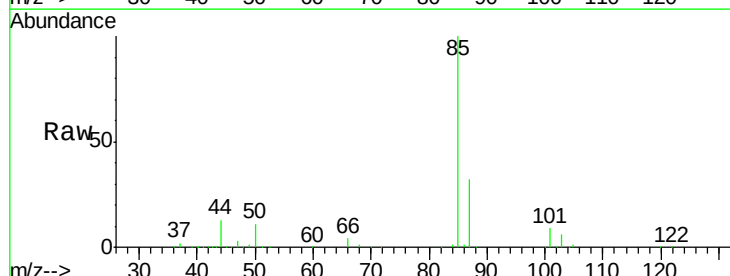
Acq: 23 May 2018 00:58

Tgt Ion: 85 Resp: 109741

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

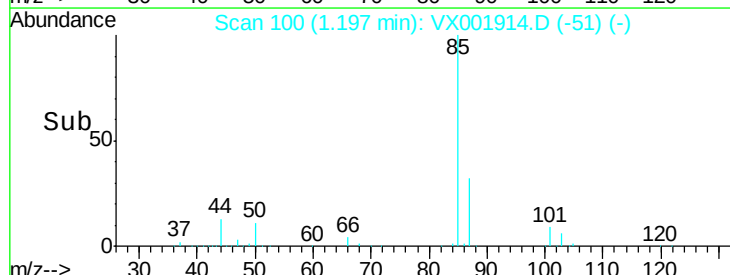
40000

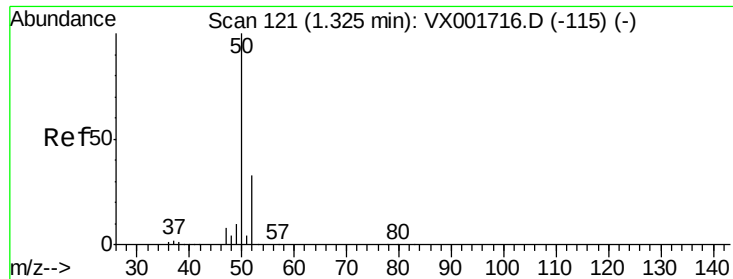
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.61 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130020

Ion Ratio Lower Upper

50 100

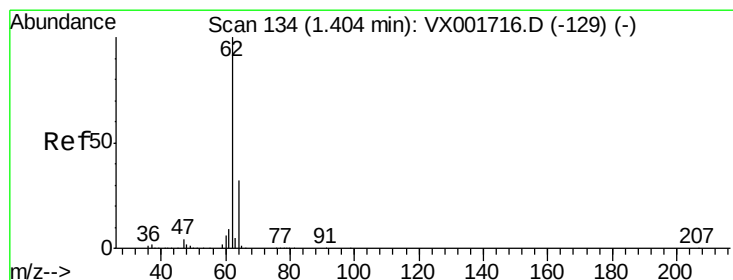
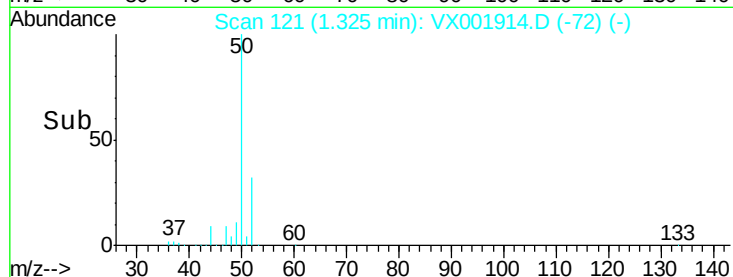
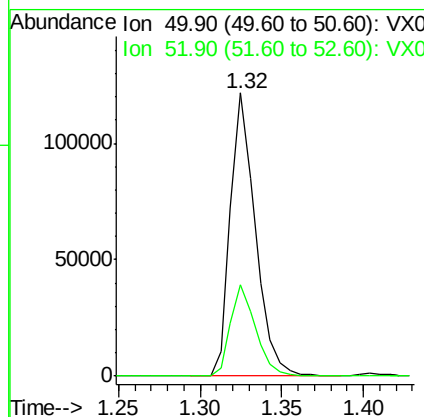
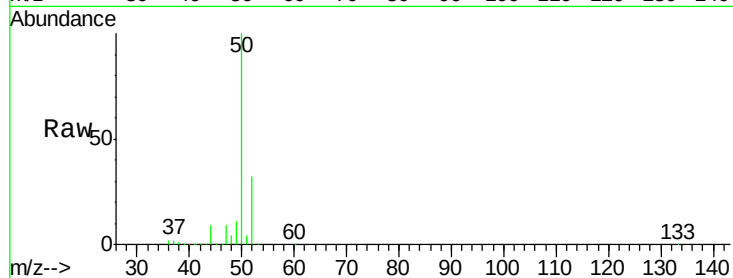
52 32.2 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#4

Vinyl Chloride

Concen: 47.87 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001914.D

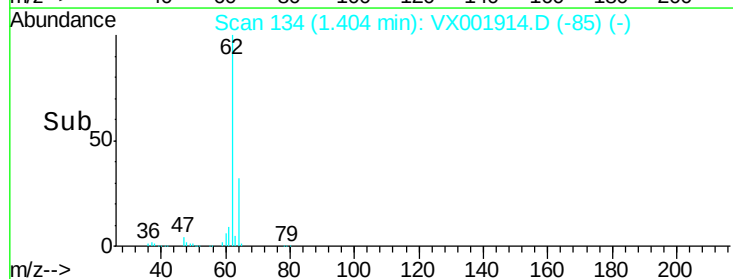
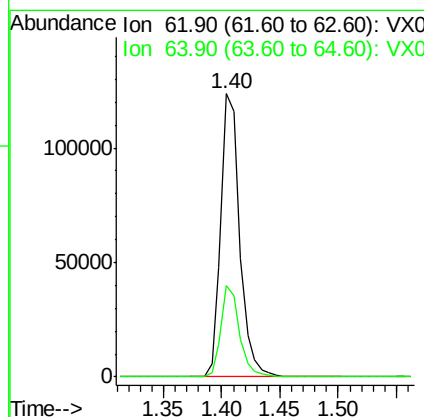
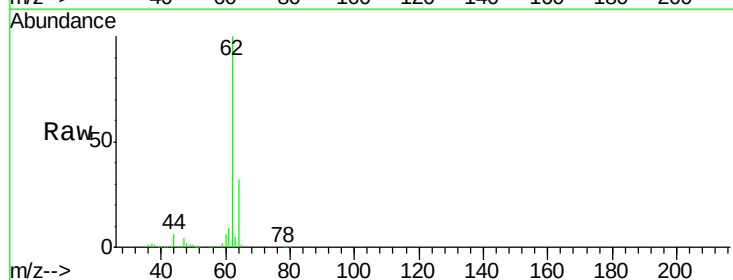
Acq: 23 May 2018 00:58

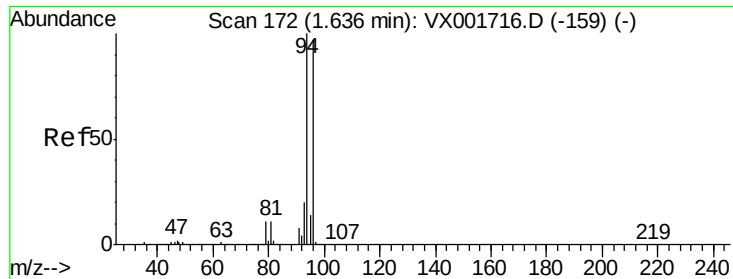
Tgt Ion: 62 Resp: 138426

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 48.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59347

Ion Ratio Lower Upper

94 100

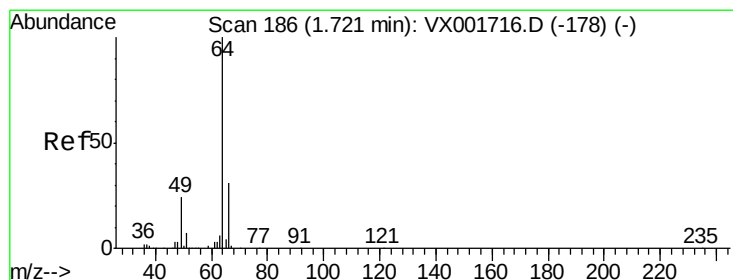
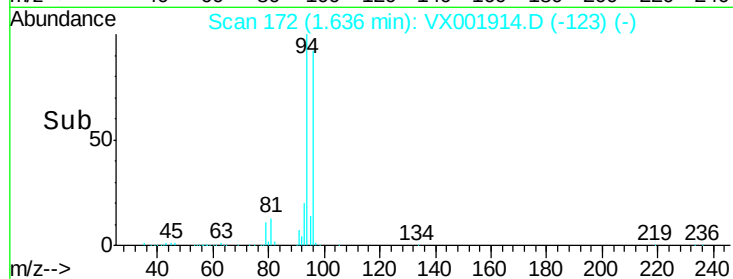
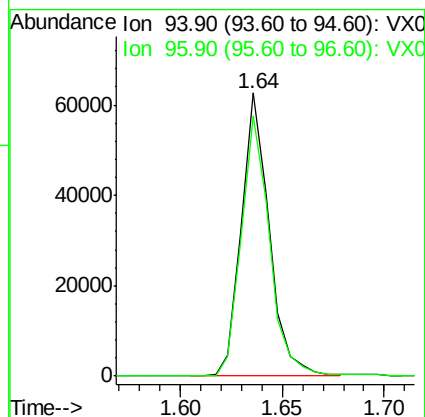
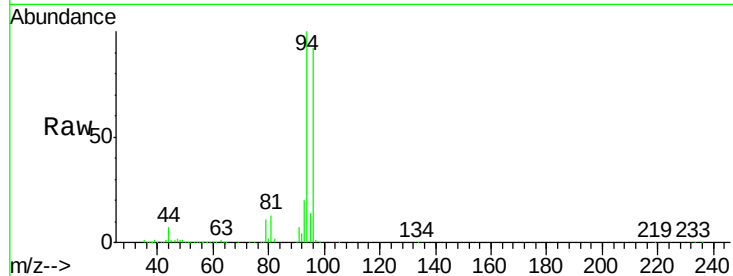
96 91.9 77.4 116.0

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#6

Chloroethane

Concen: 50.42 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001914.D

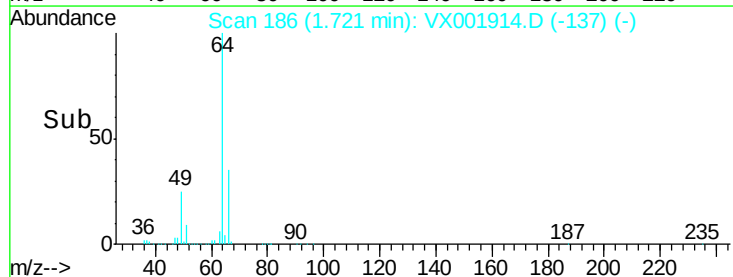
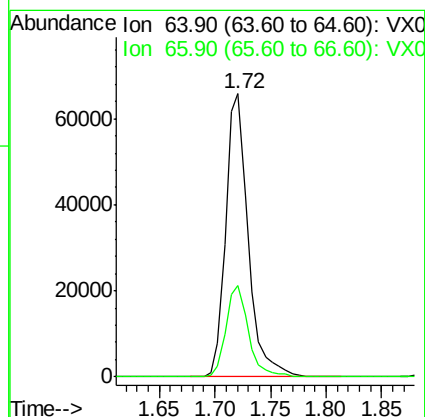
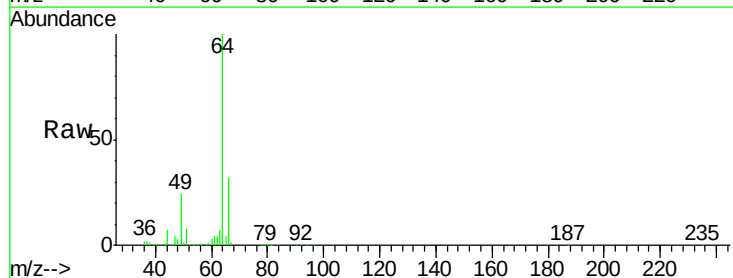
Acq: 23 May 2018 00:58

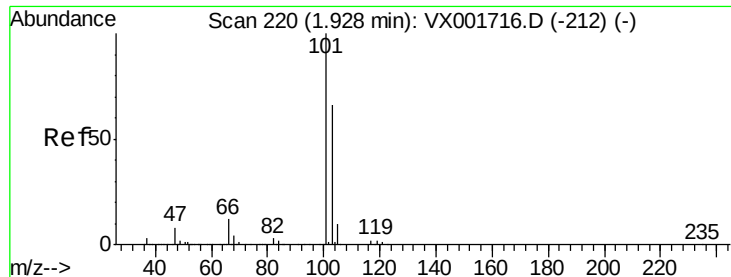
Tgt Ion: 64 Resp: 91831

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8





#7

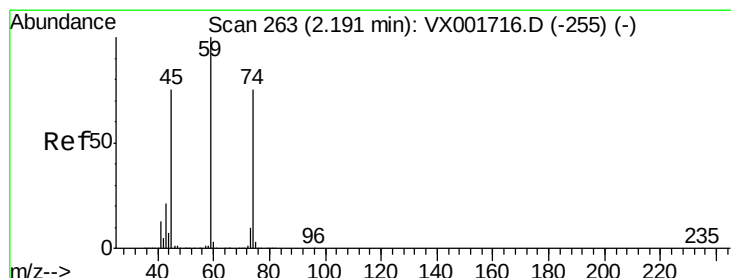
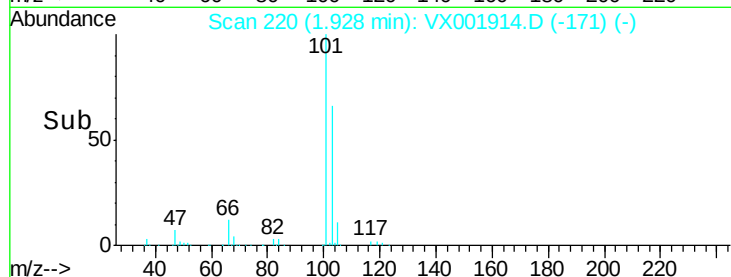
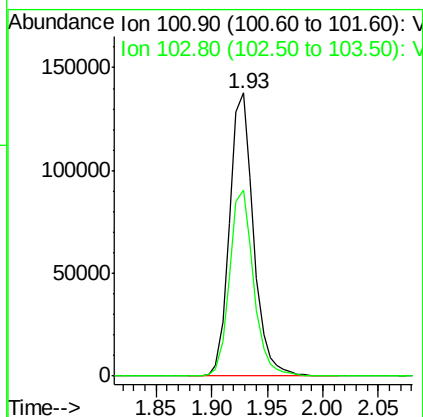
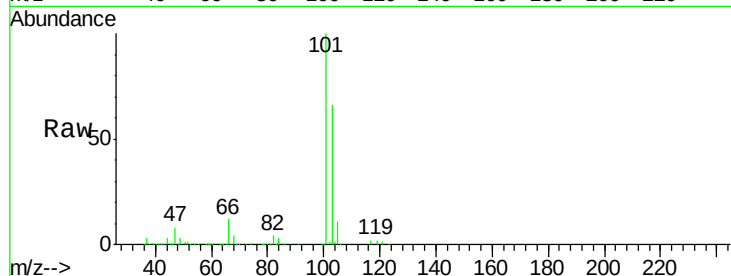
Trichlorofluoromethane
 Concen: 48.83 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	205180		
103	65.8	52.6	78.8	

Manual Integrations
 APPROVED

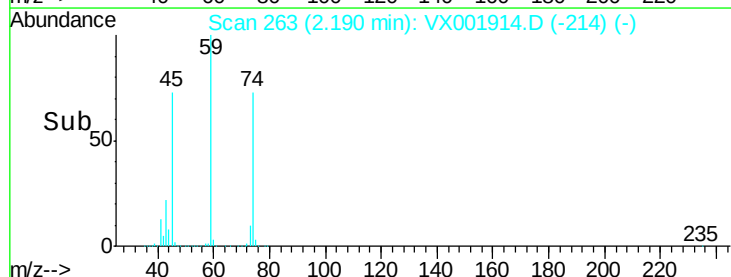
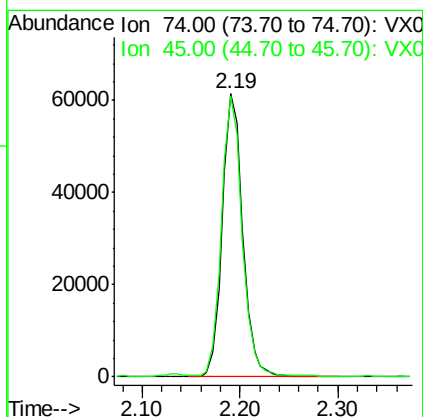
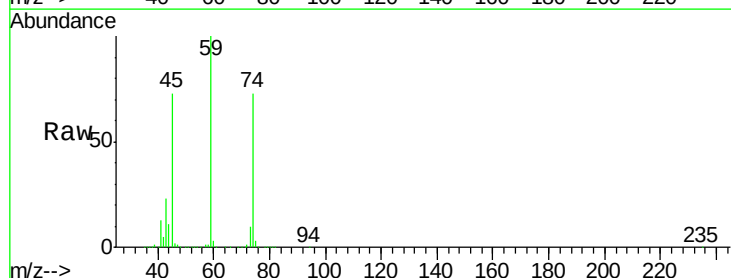
MMDadoda
 5/24/2018 11:47:47 AM

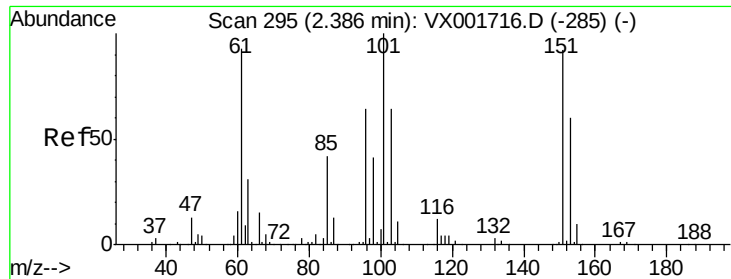


#8

Diethyl Ether
 Concen: 51.66 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89356		
45	98.7	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.10 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

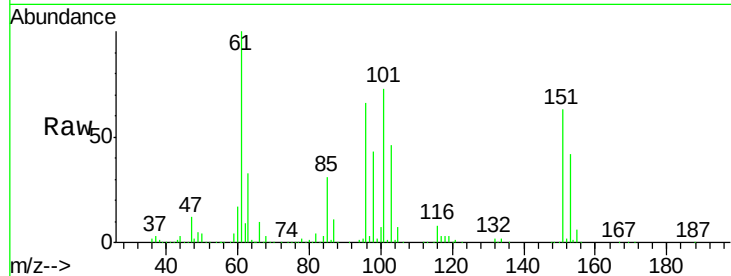
ClientSampleId :

VSTDCCC050

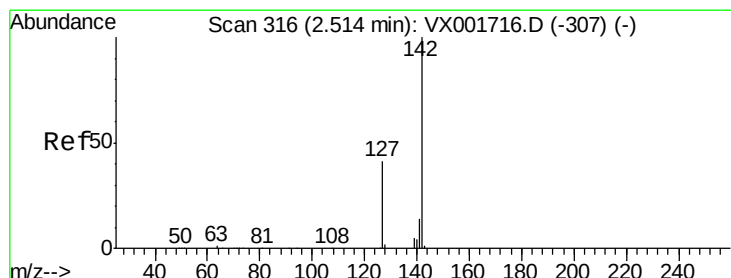
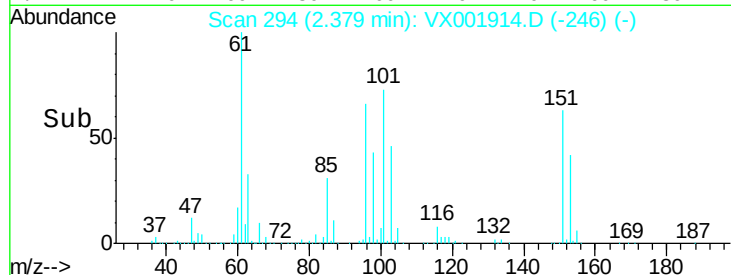
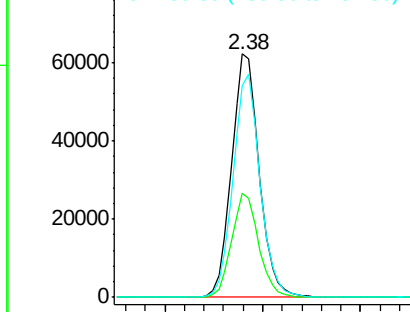
Tot Ion:	101	Resp:	121673
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.7	50.5
151	89.8	73.0	109.6

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.07 ug/l

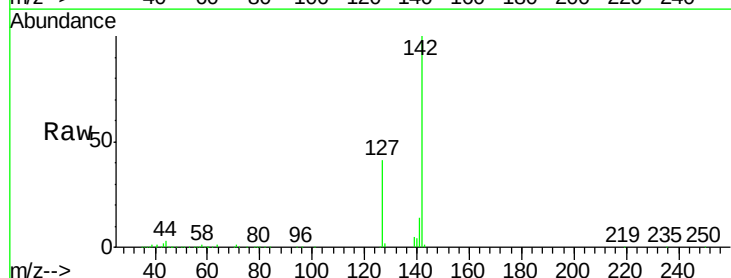
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

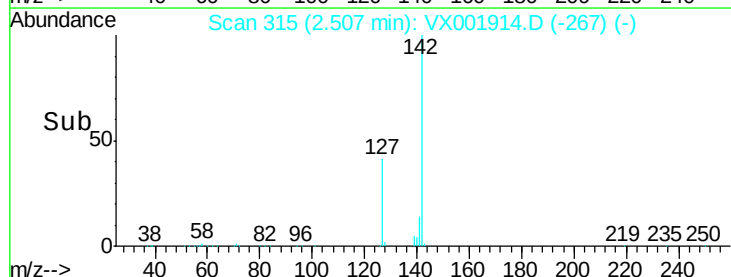
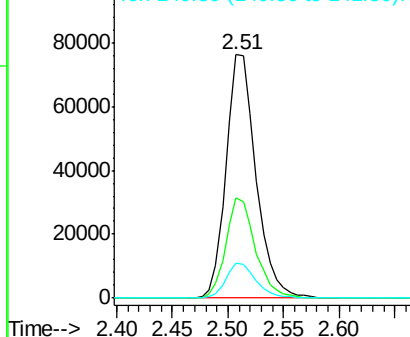
Lab File: VX001914.D

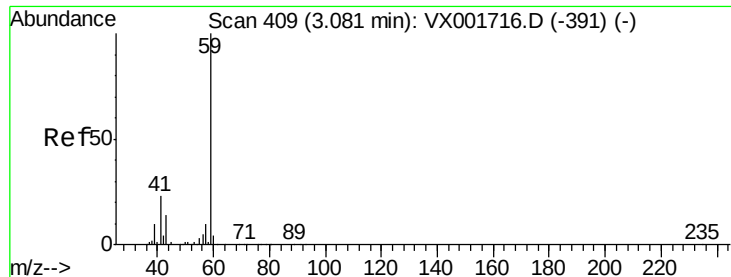
Acq: 23 May 2018 00:58

Tgt Ion:	142	Resp:	142148
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.5	48.7
141	14.5	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

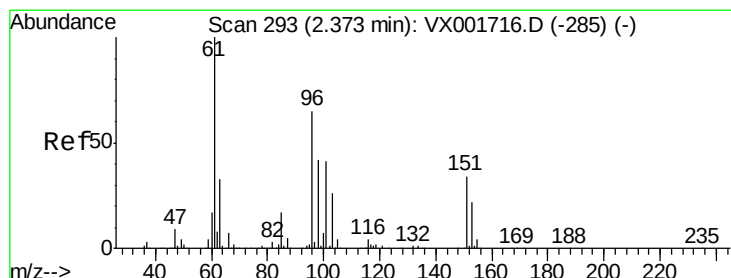
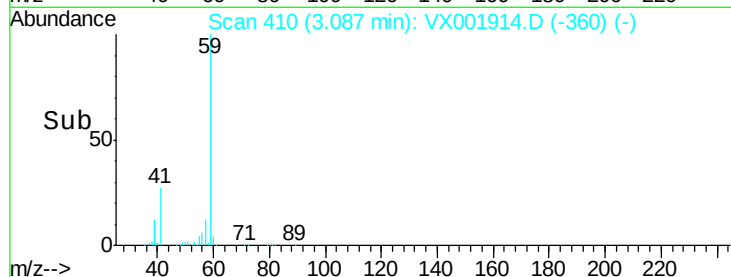
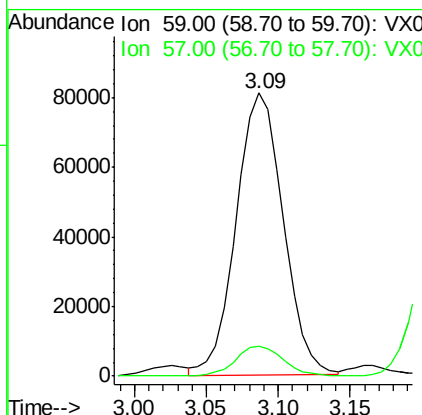
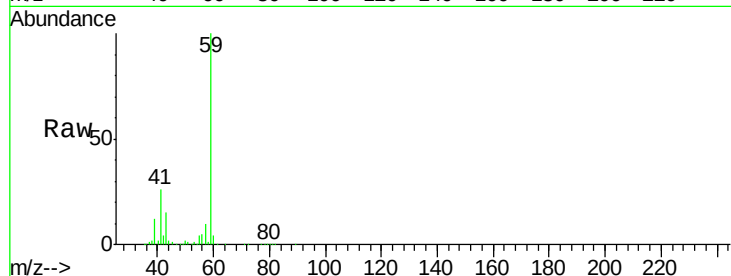
Tert butyl alcohol
Concen: 313.62 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	184155
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

Manual Integrations
APPROVED

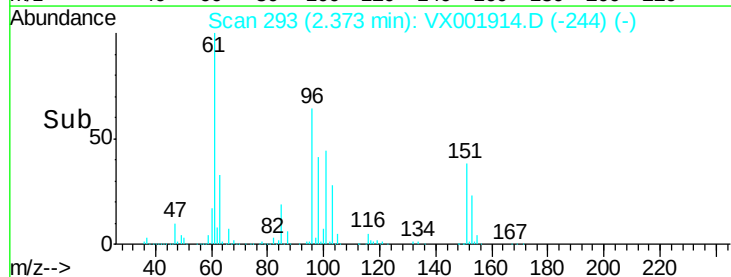
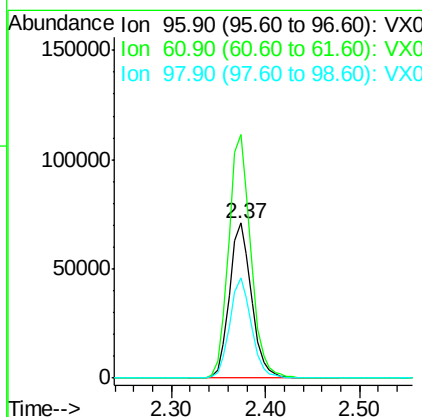
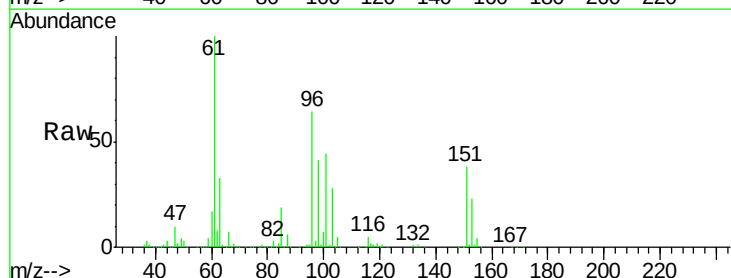
MMDadoda
5/24/2018 11:47:47 AM

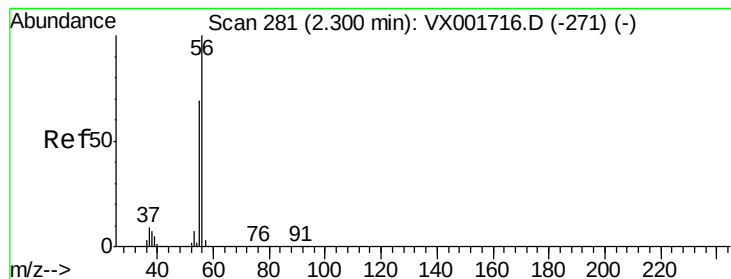


#12

1,1-Dichloroethene
Concen: 47.44 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	96	Resp	115696
Ion Ratio	100	Lower	Upper
61	156.9	122.2	183.2
98	64.8	51.4	77.0





#13

Acrolein

Concen: 119.65 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49828

Ion Ratio Lower Upper

56 100

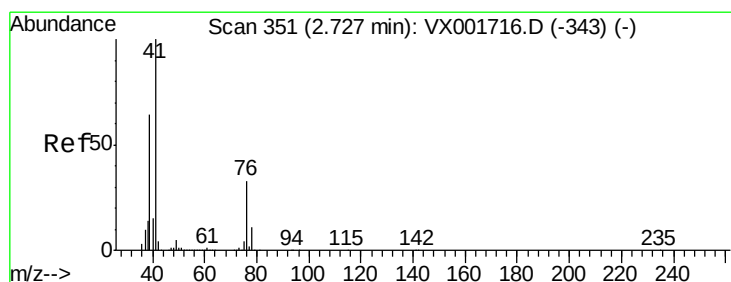
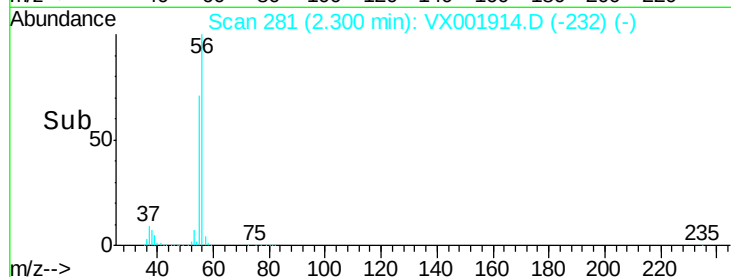
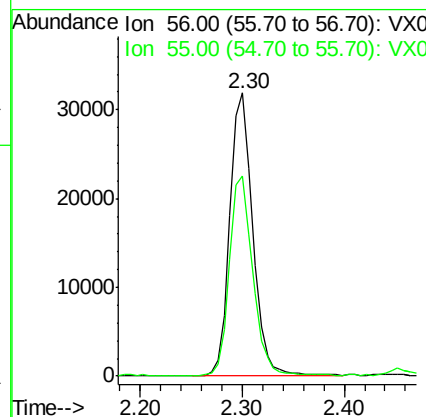
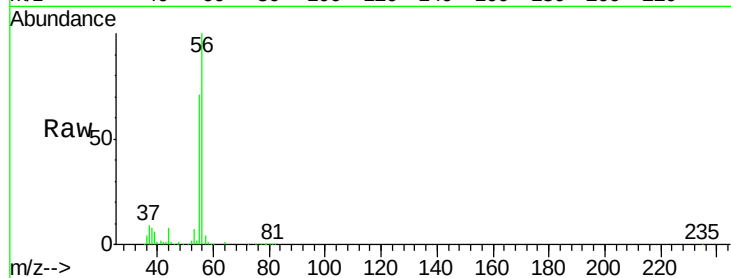
55 72.8 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#14

Allyl chloride

Concen: 52.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

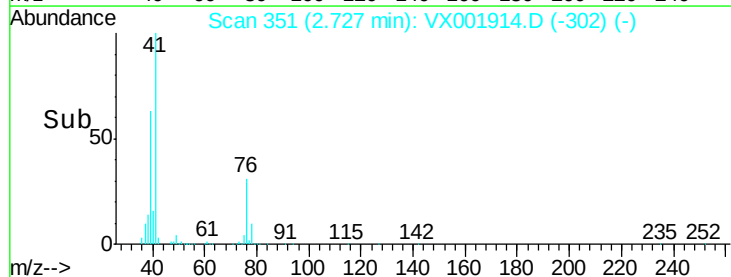
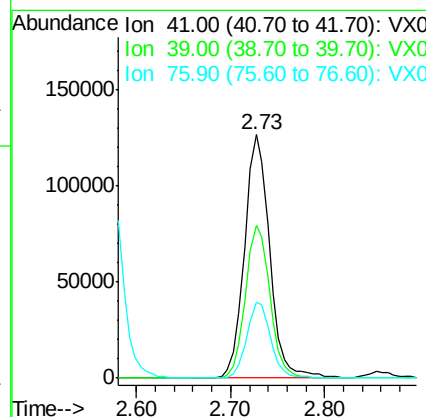
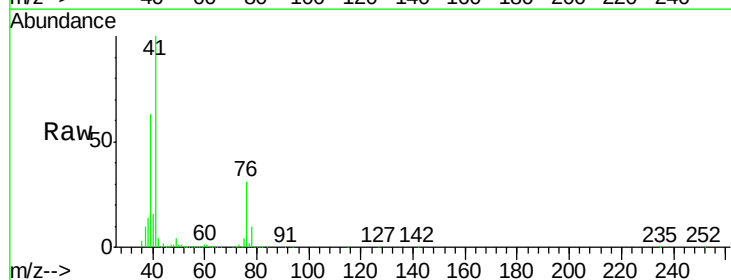
Tgt Ion: 41 Resp: 234738

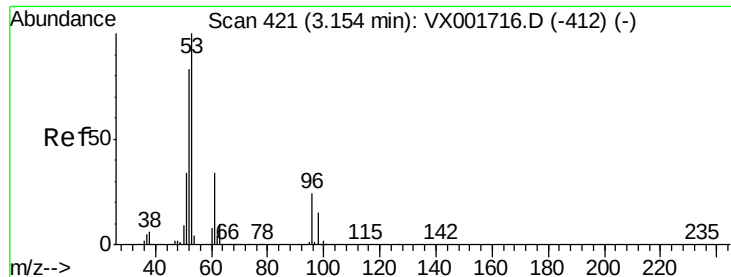
Ion Ratio Lower Upper

41 100

39 61.3 49.8 74.6

76 29.8 25.8 38.8





#15

Acrylonitrile

Concen: 291.87 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

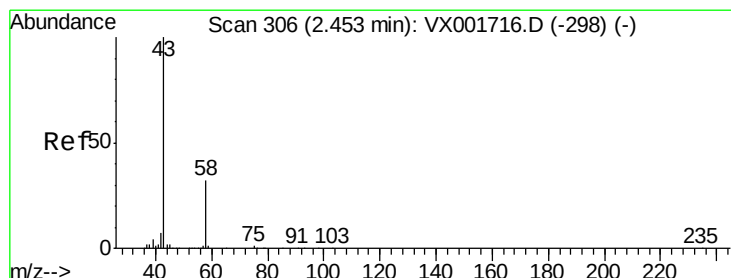
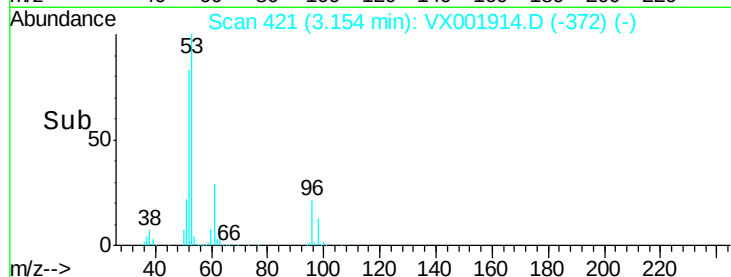
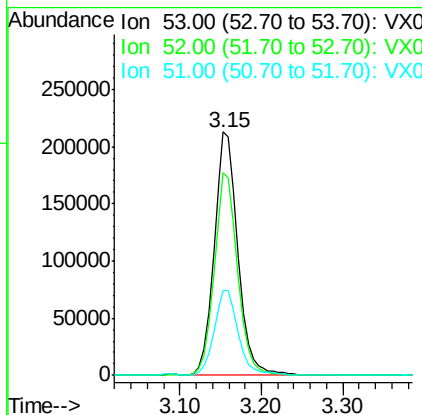
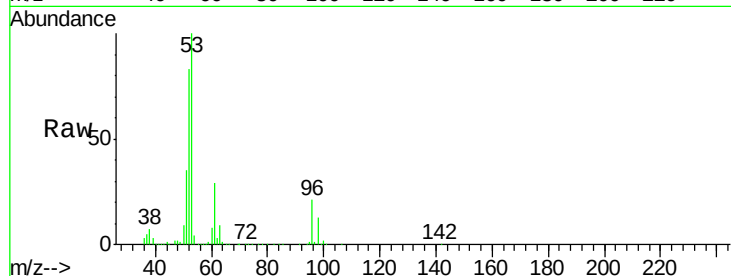
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	430456
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.7	28.1	42.1

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#16

Acetone

Concen: 290.37 ug/l

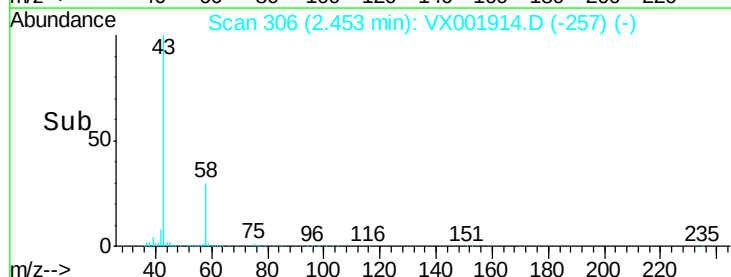
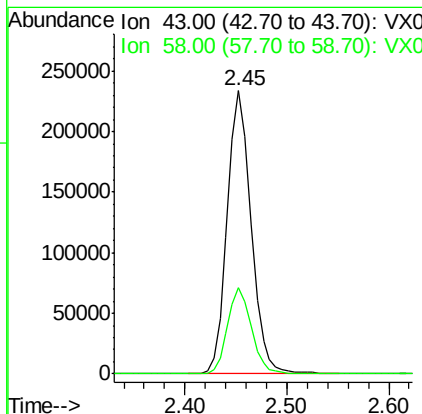
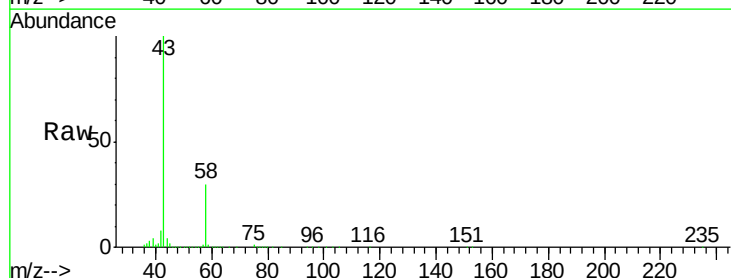
RT: 2.45 min Scan# 306

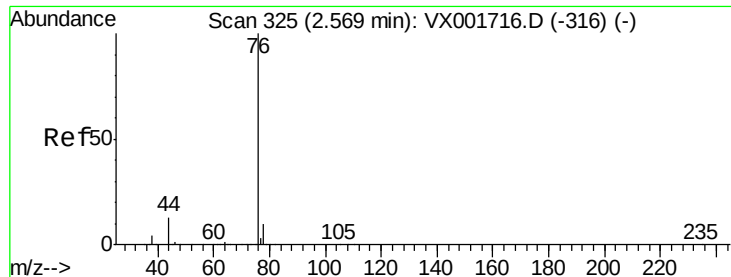
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	43	Resp:	377190
Ion Ratio		Lower	Upper
43	100		
58	30.5	25.3	37.9





#17

Carbon Disulfide

Concen: 39.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 251066

Ion Ratio Lower Upper

76 100

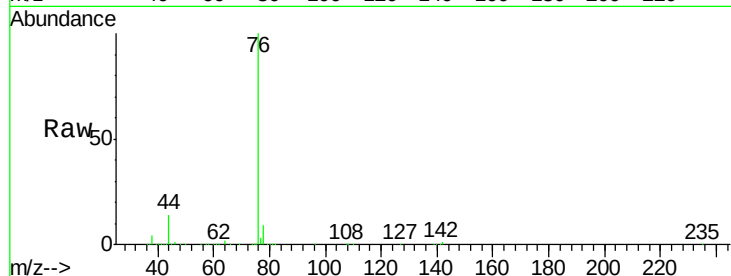
78 9.0 7.6 11.4

Manual Integrations

APPROVED

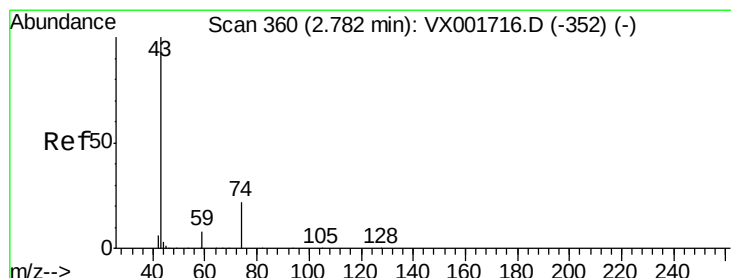
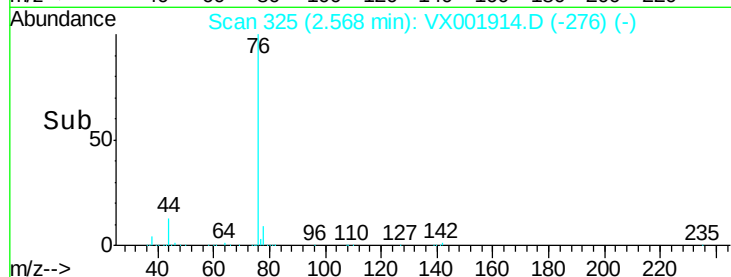
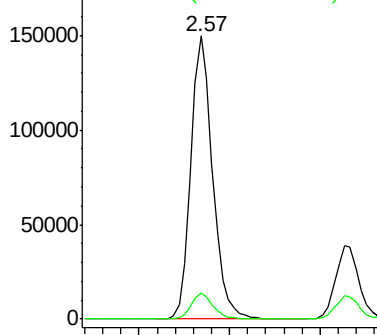
MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 65.43 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001914.D

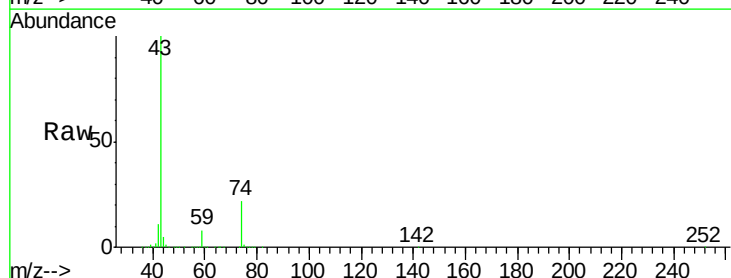
Acq: 23 May 2018 00:58

Tgt Ion: 43 Resp: 248472

Ion Ratio Lower Upper

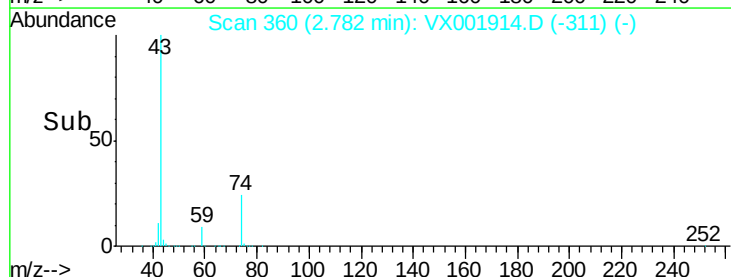
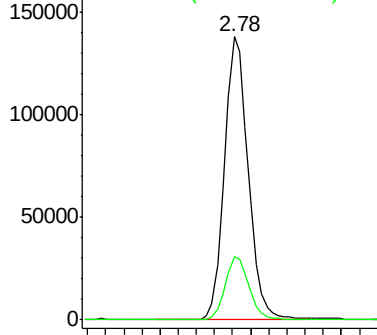
43 100

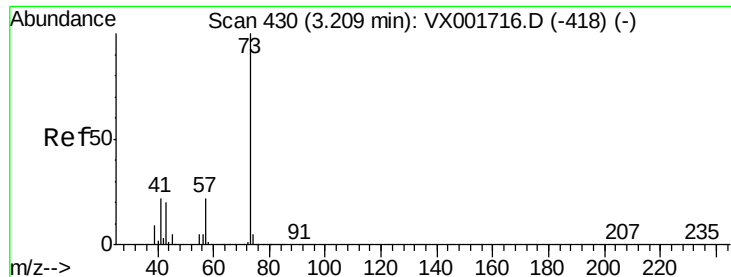
74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 53.33 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tot Ion: 73 Resp: 438362

Ion Ratio Lower Upper

73 100

57 23.0 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

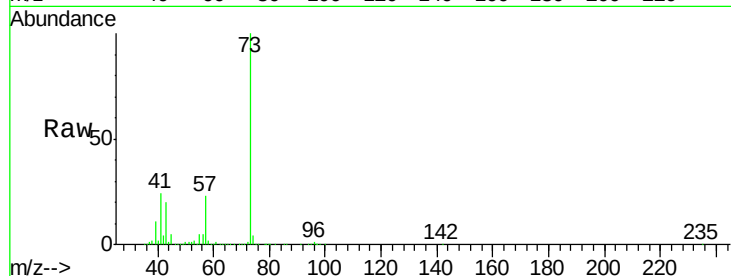
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

200000

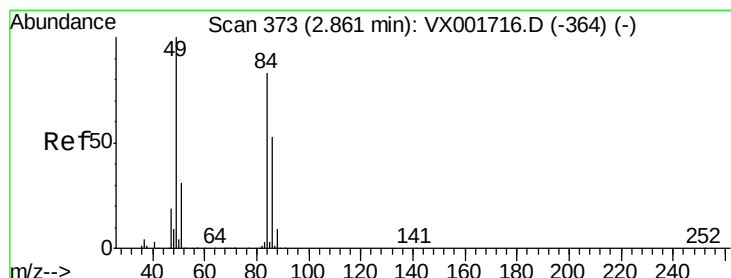
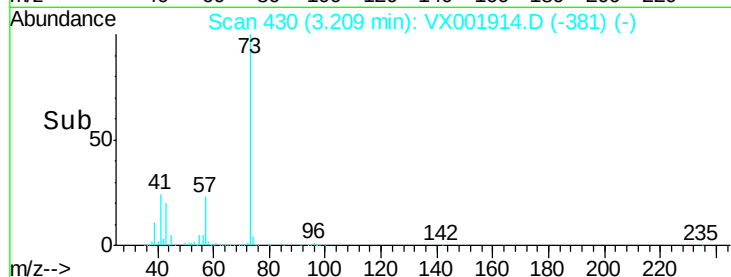
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 50.00 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion: 84 Resp: 139025

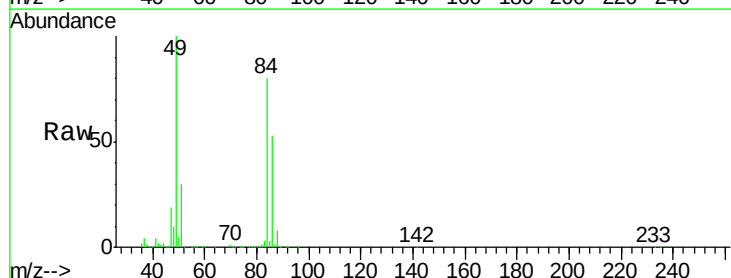
Ion Ratio Lower Upper

84 100

49 124.8 96.3 144.5

51 37.9 29.8 44.6

86 65.5 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

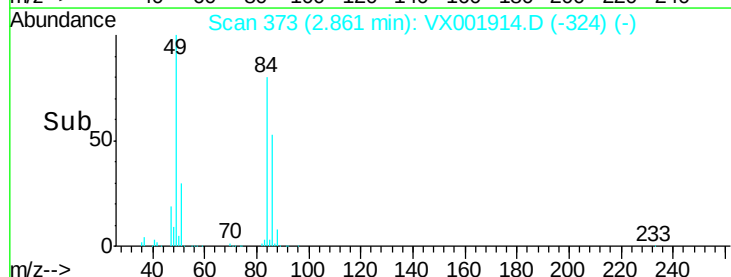
2.86

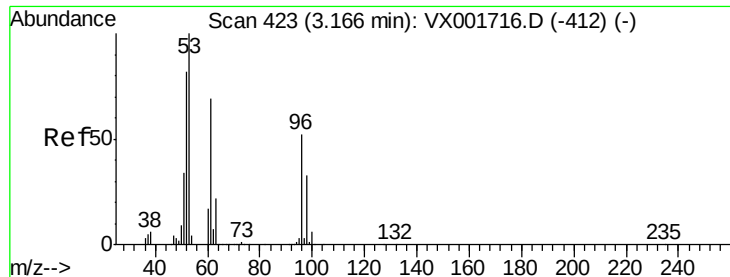
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.68 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

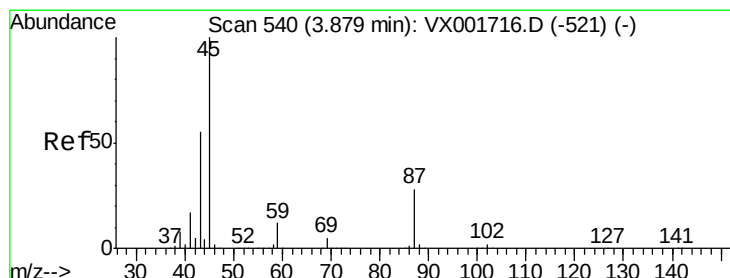
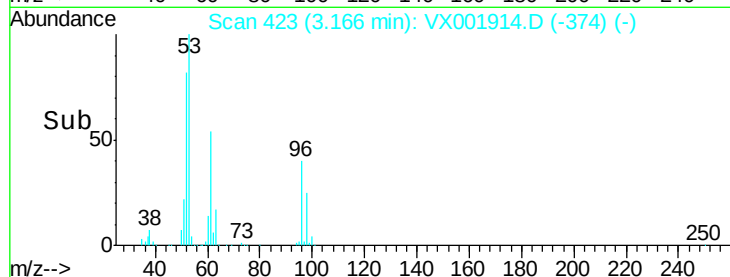
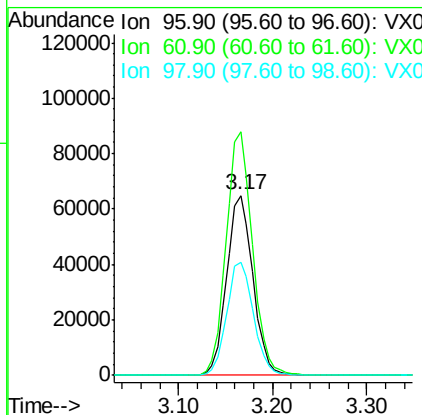
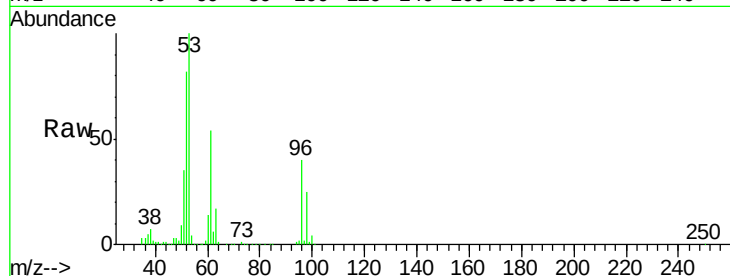
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125411
Ion	Ratio	Lower	Upper
96	100		
61	135.0	105.8	158.8
98	63.1	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#22

Diisopropyl ether

Concen: 56.27 ug/l

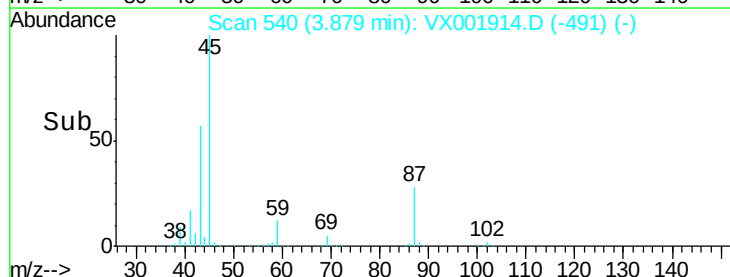
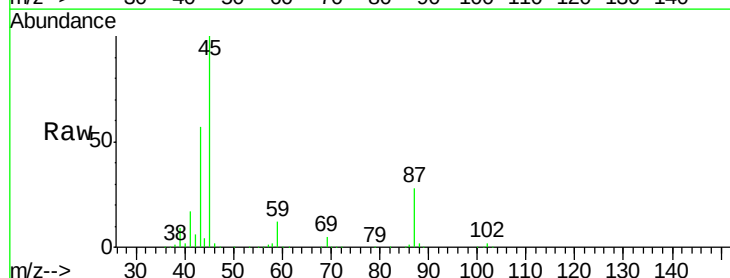
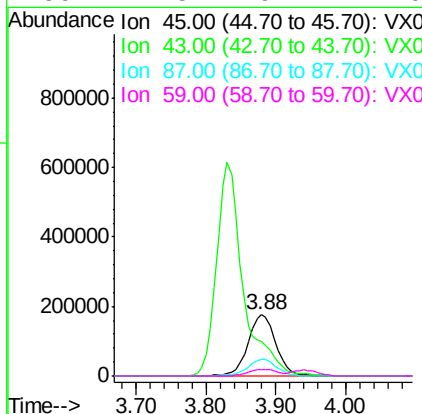
RT: 3.88 min Scan# 540

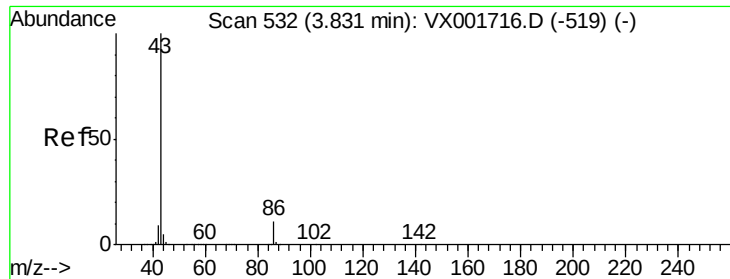
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	45	Resp:	486583
Ion	Ratio	Lower	Upper
45	100		
43	56.5	44.3	66.5
87	27.5	22.6	33.8
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 261.89 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tot Ion: 43 Resp: 1631718

Ion Ratio Lower Upper

43 100

86 10.5 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

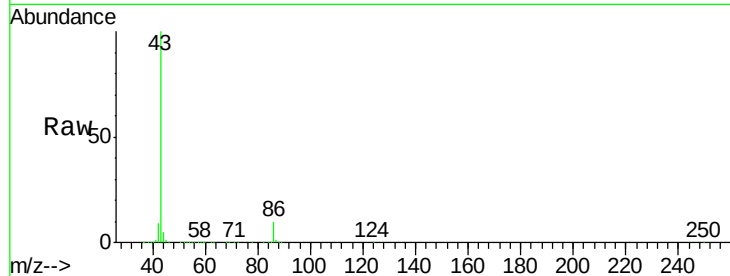
VSTDCCC050

Manual Integrations

APPROVED

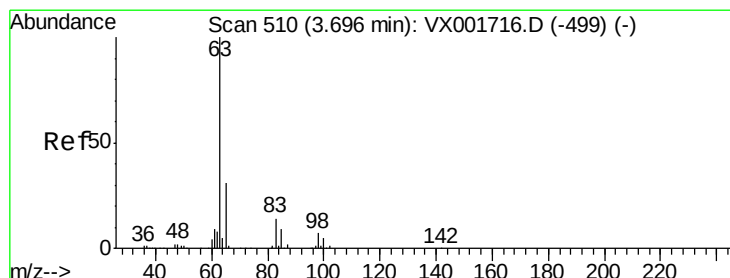
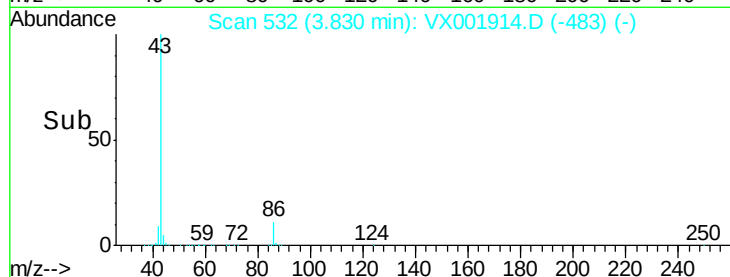
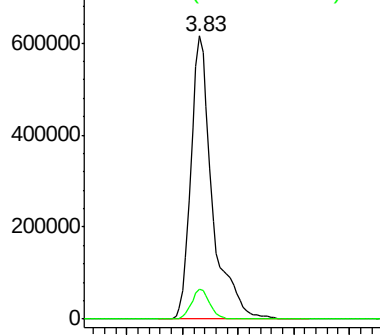
MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 52.34 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

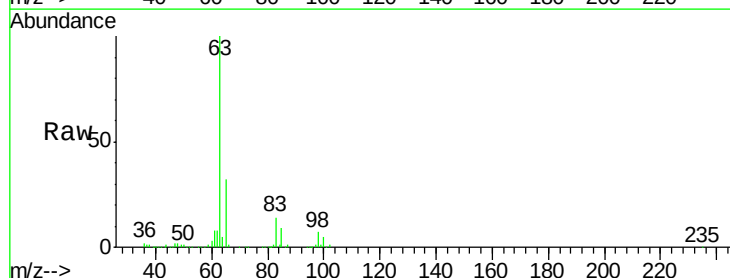
Tgt Ion: 63 Resp: 248244

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

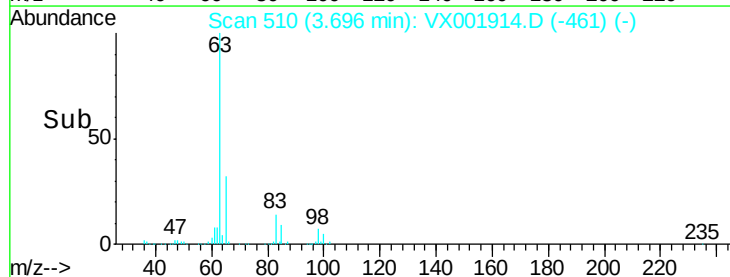
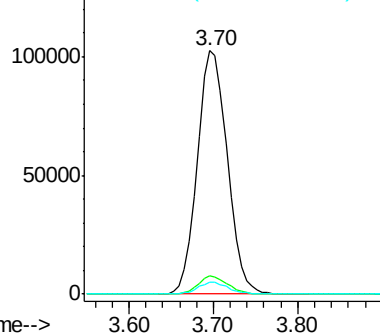
100 4.6 2.4 7.2

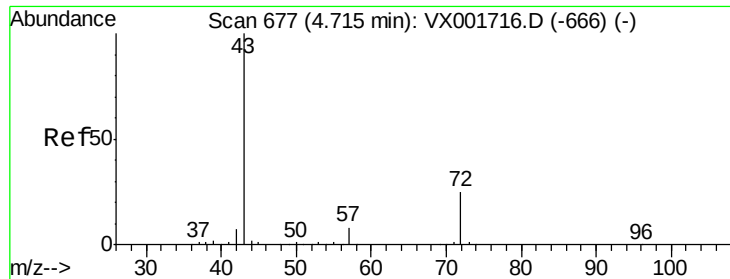


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 318.67 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 633773

Ion Ratio Lower Upper

43 100

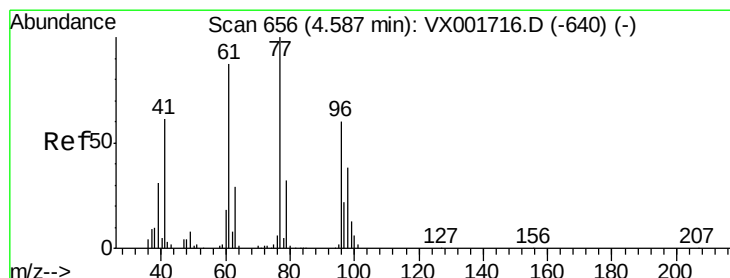
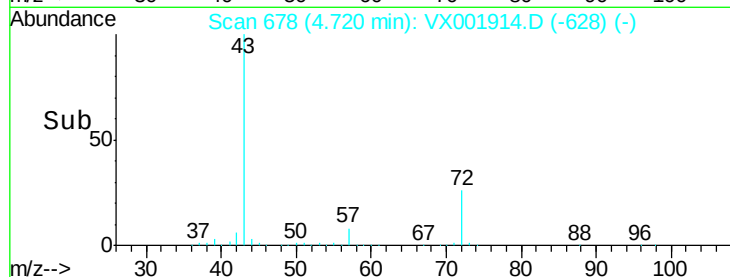
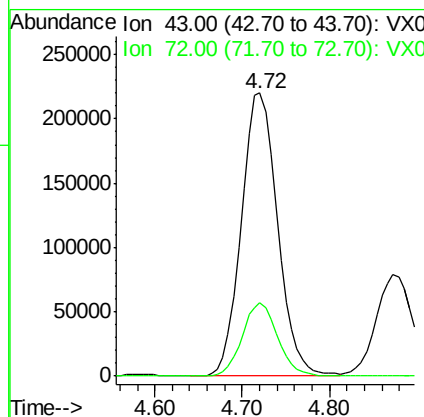
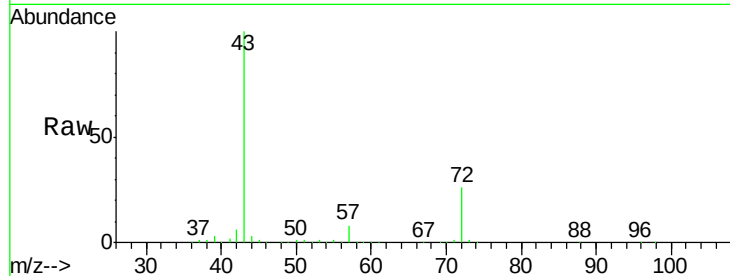
72 25.7 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#26

2,2-Dichloropropane

Concen: 36.12 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001914.D

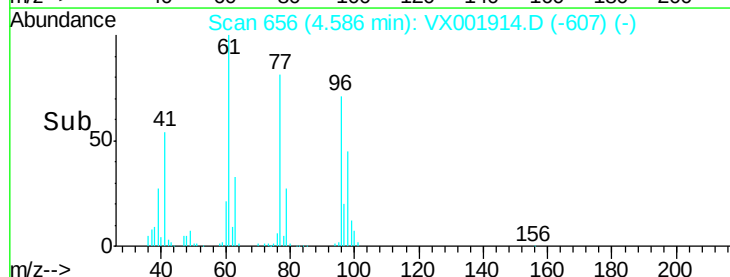
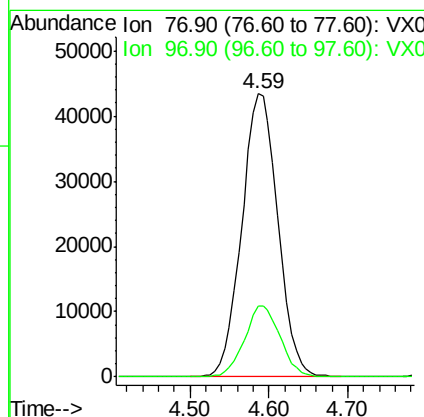
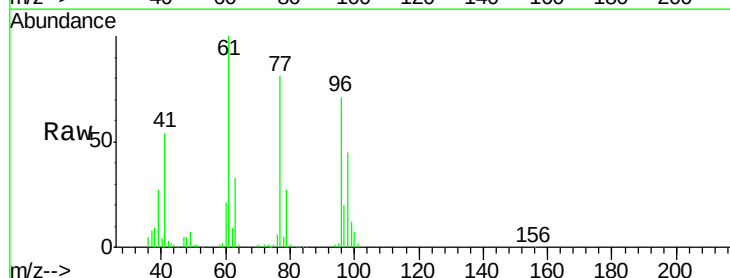
Acq: 23 May 2018 00:58

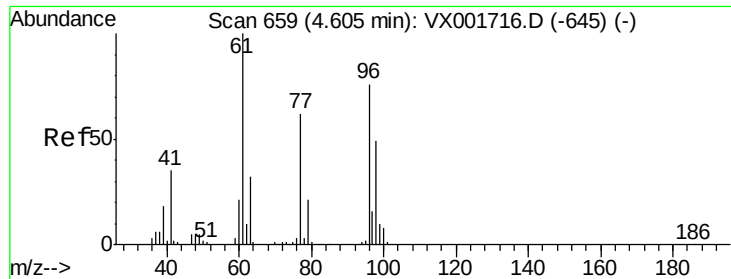
Tgt Ion: 77 Resp: 137907

Ion Ratio Lower Upper

77 100

97 24.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 52.11 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

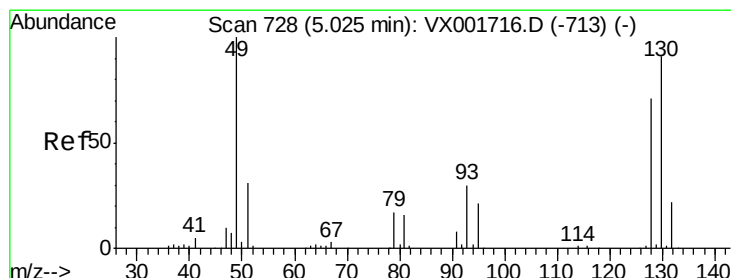
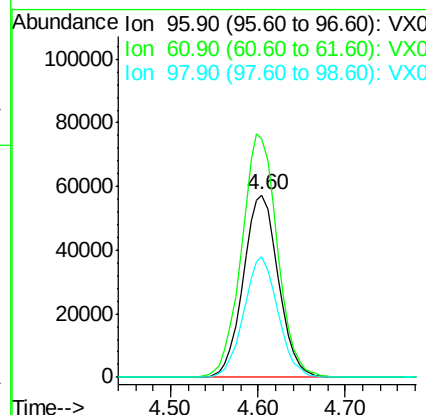
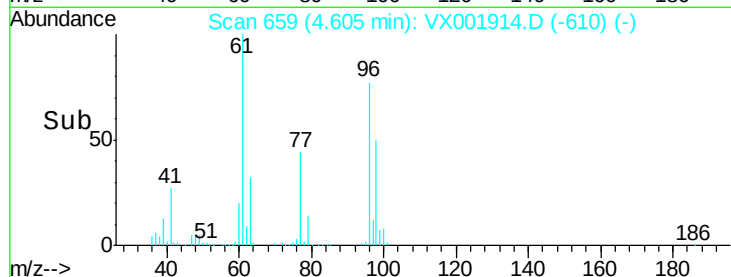
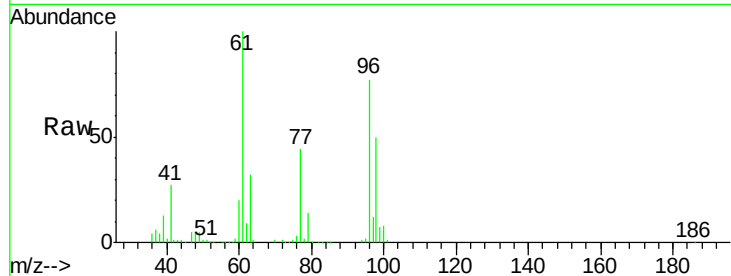
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	159296
Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	280.4
98	64.5	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#28

Bromochloromethane

Concen: 63.30 ug/l

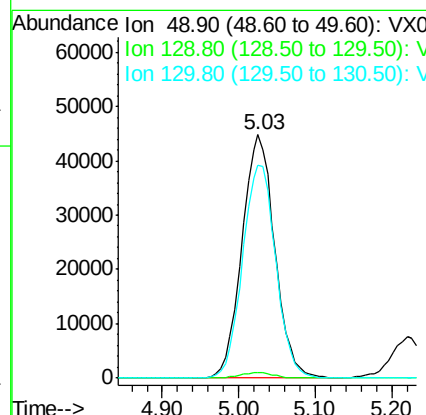
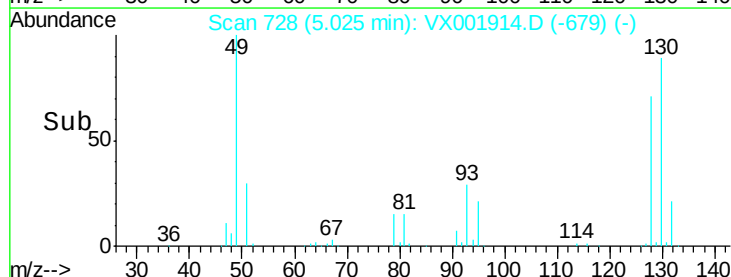
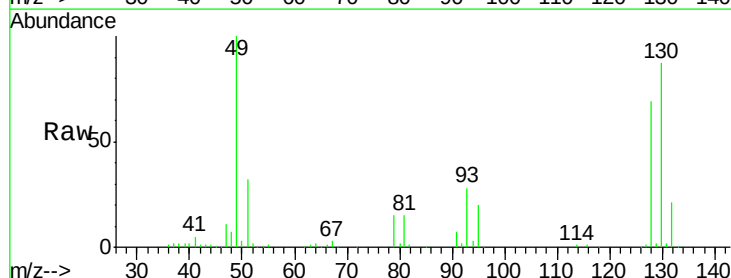
RT: 5.03 min Scan# 728

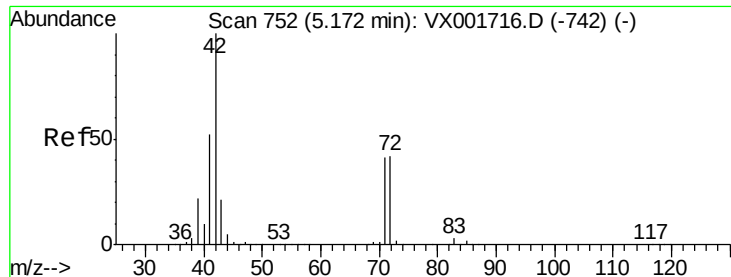
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	49	Resp:	133353
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	88.7	71.8	107.6





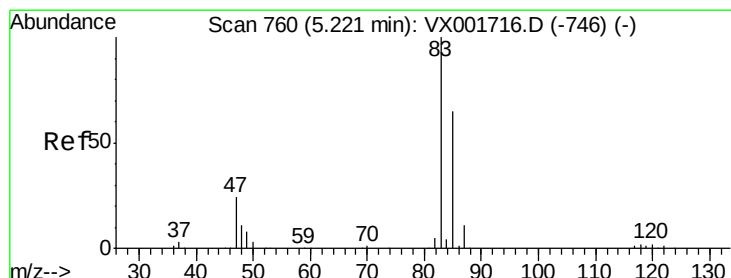
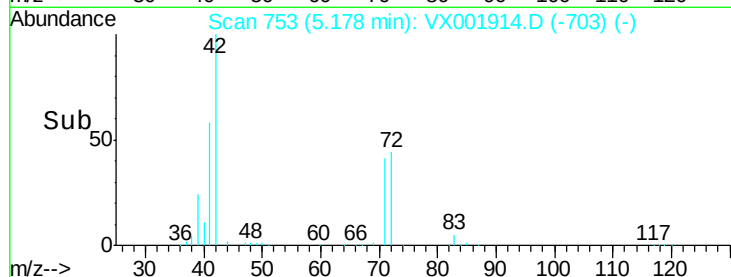
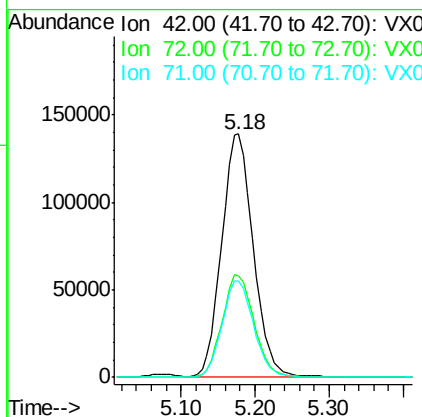
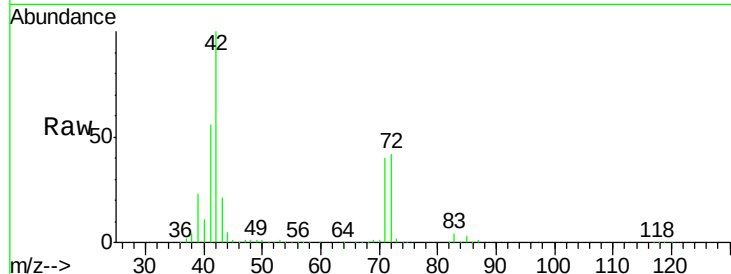
#29
Tetrahydrofuran
Concen: 316.12 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	409812
Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.4	53.2
71	39.9	33.2	49.8

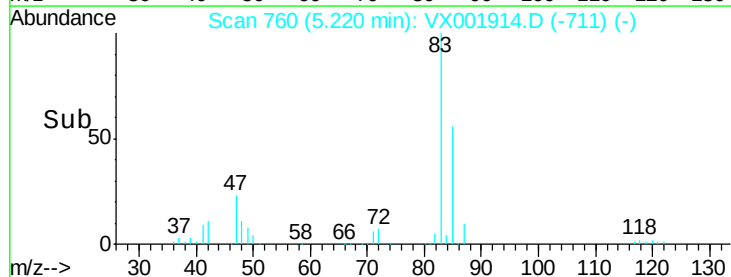
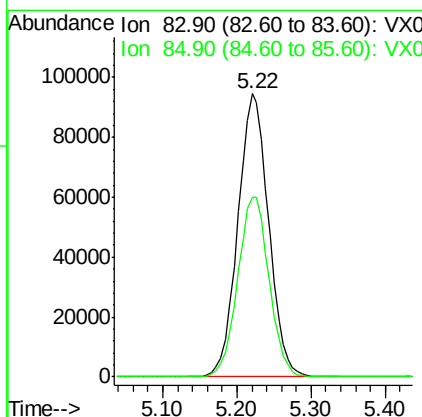
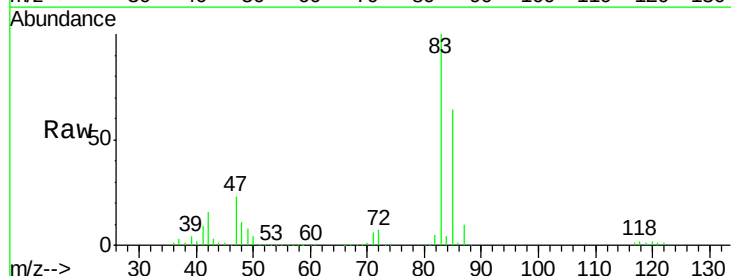
Manual Integrations
APPROVED

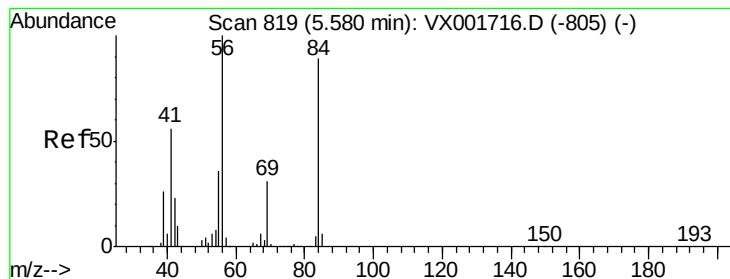
MMDadoda
5/24/2018 11:47:47 AM



#30
Chloroform
Concen: 54.90 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion:	83	Resp:	273483
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





#31

Cyclohexane

Concen: 49.44 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

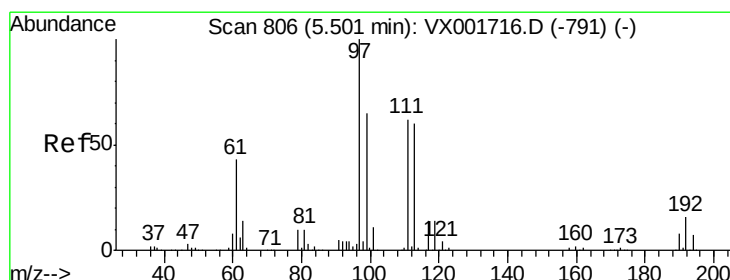
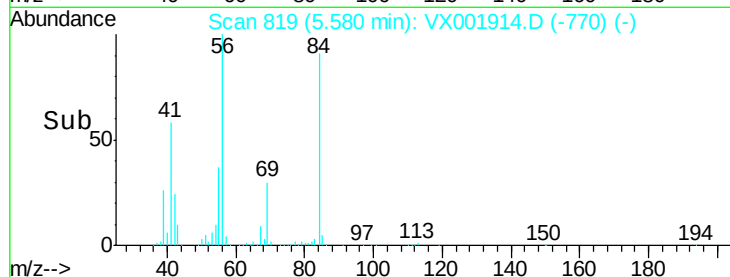
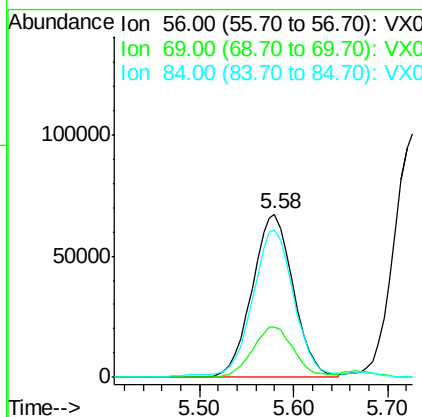
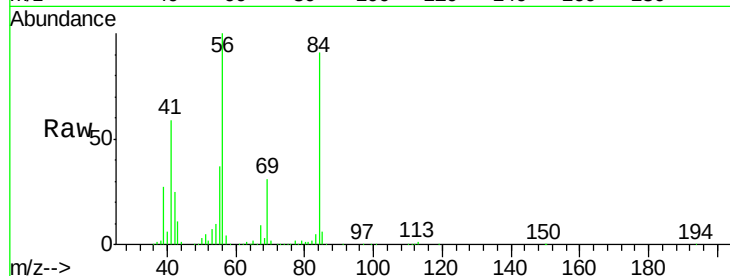
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	205517
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.0	37.6
84	89.2	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#32

1,1,1-Trichloroethane

Concen: 53.96 ug/l

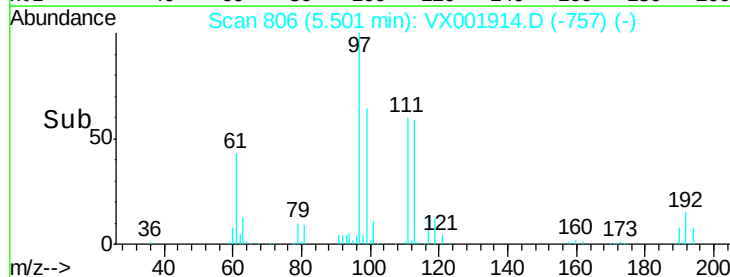
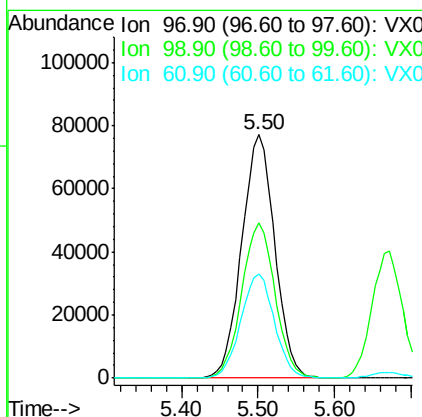
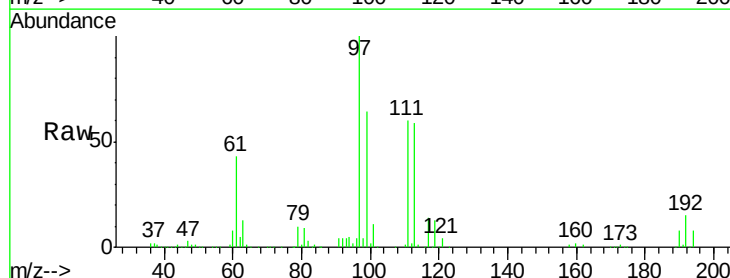
RT: 5.50 min Scan# 806

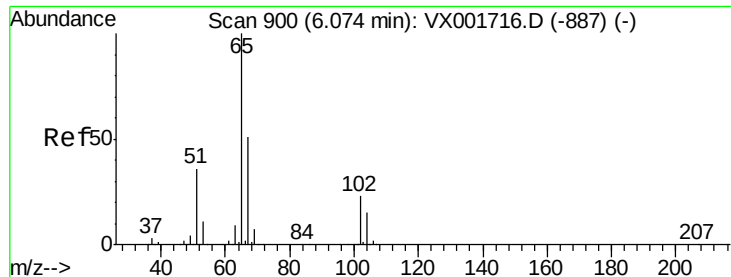
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	97	Resp:	232298
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	43.6	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 50.05 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 165527

Ion Ratio Lower Upper

65 100

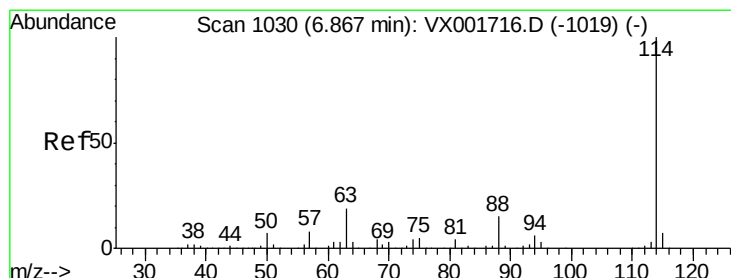
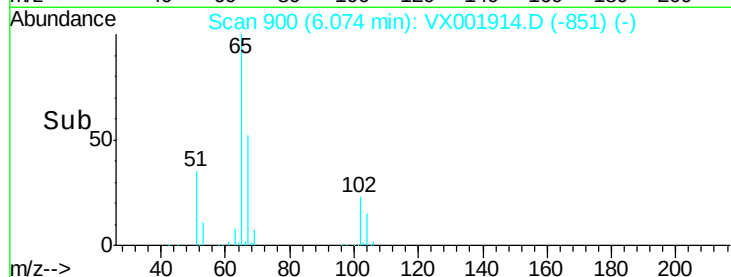
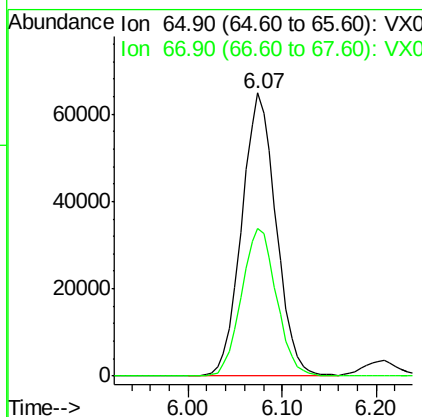
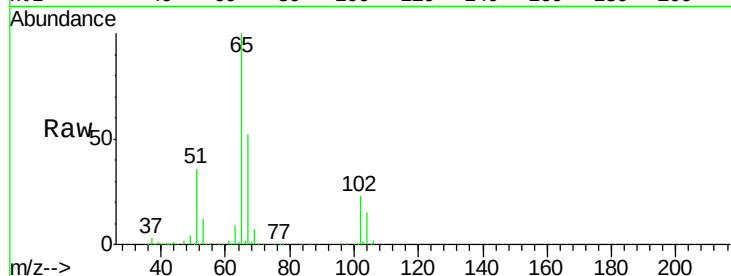
67 53.1 0.0 102.8

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

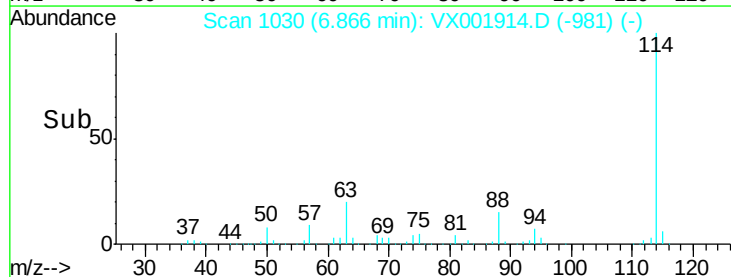
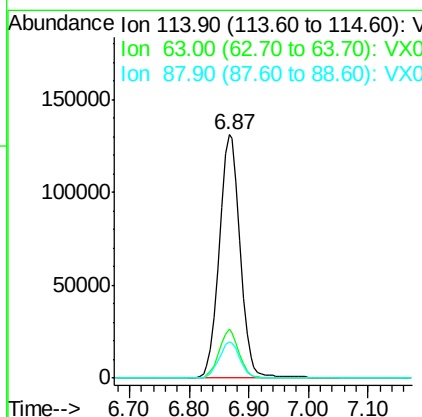
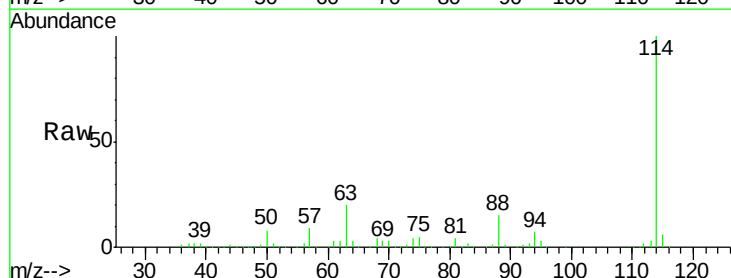
Tgt Ion: 114 Resp: 318969

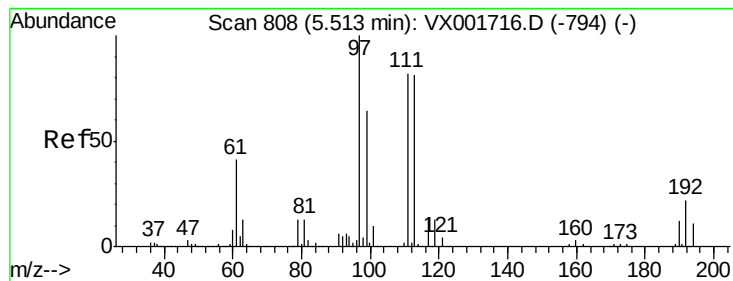
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.0

88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.46 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

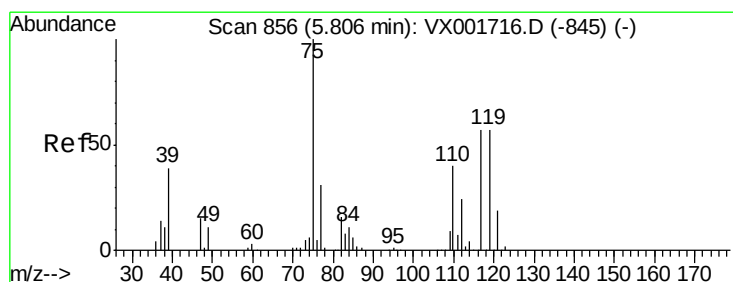
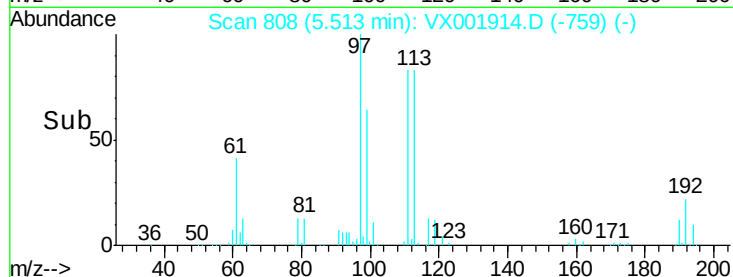
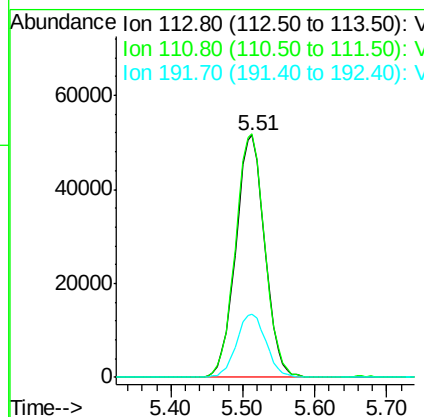
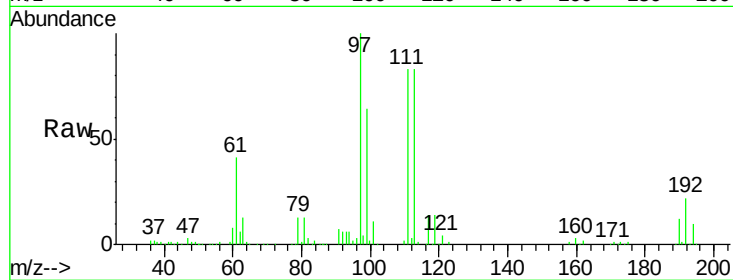
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	143910
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	26.5	21.6	32.4

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#36

1,1-Dichloropropene

Concen: 50.85 ug/l

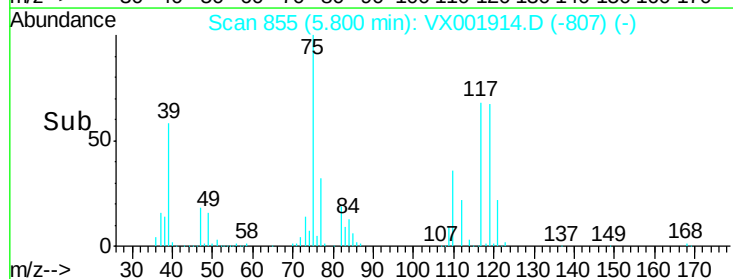
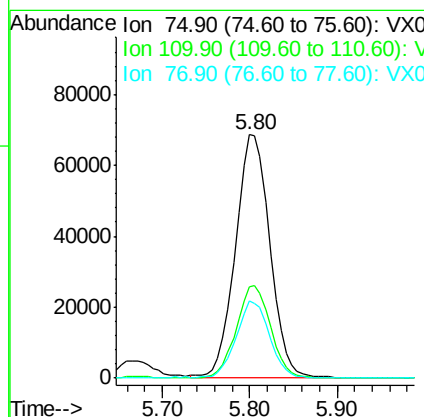
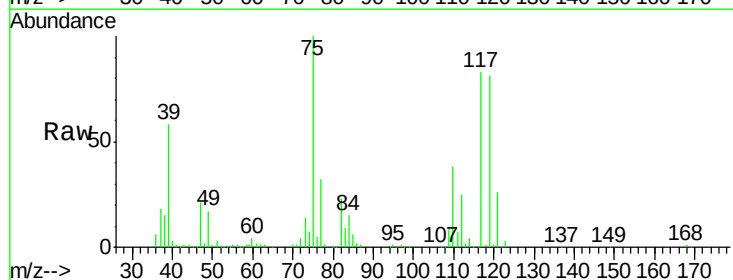
RT: 5.80 min Scan# 855

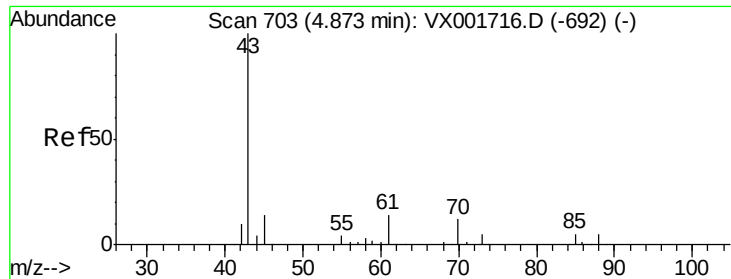
Delta R.T. -0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	75	Resp:	186718
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	31.4	24.6	37.0





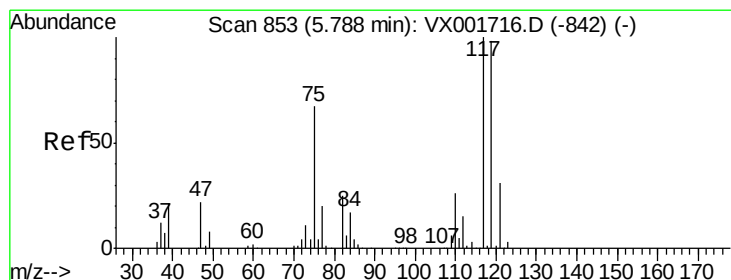
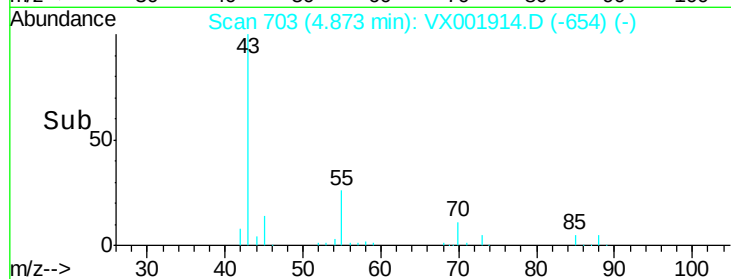
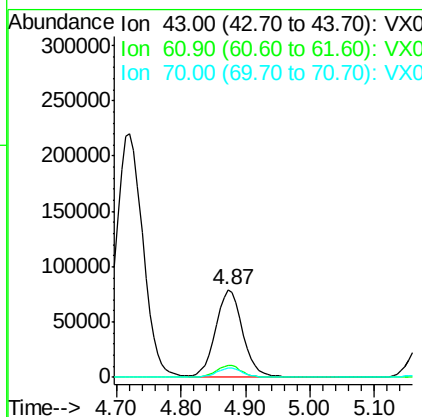
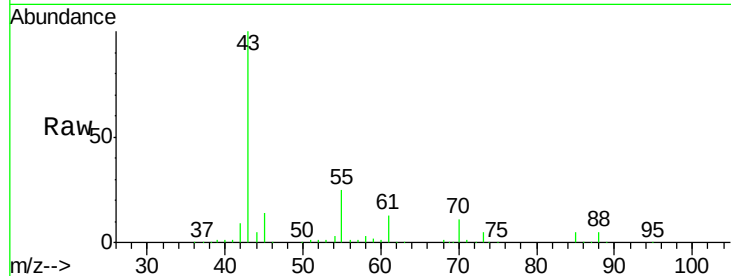
#37
Ethyl Acetate
Concen: 61.18 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	234113
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.9	8.8	13.2

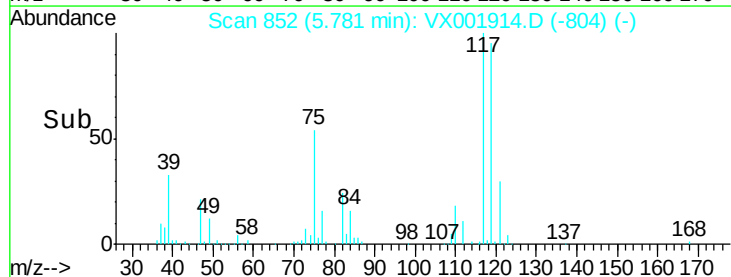
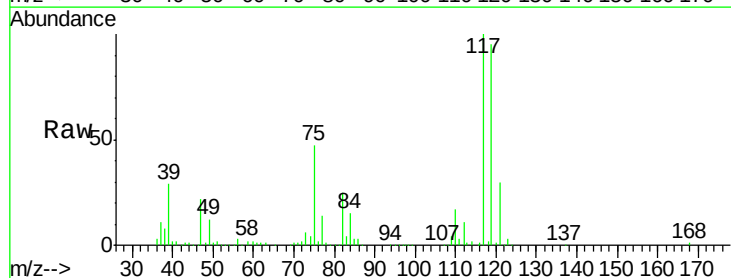
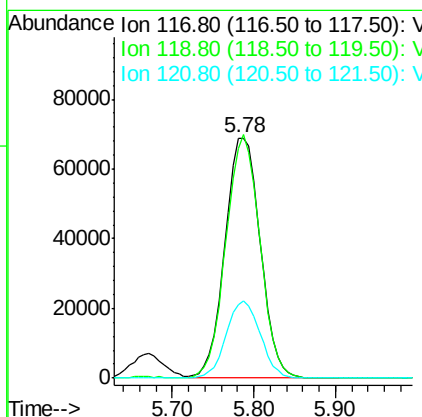
Manual Integrations
APPROVED

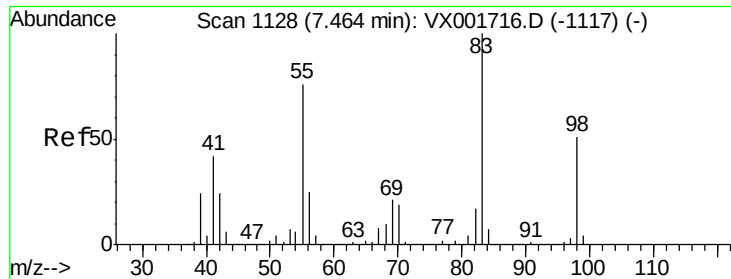
MMDadoda
5/24/2018 11:47:47 AM



#38
Carbon Tetrachloride
Concen: 53.75 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion:	117	Resp:	206734
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.6	116.4
121	30.3	24.6	36.8





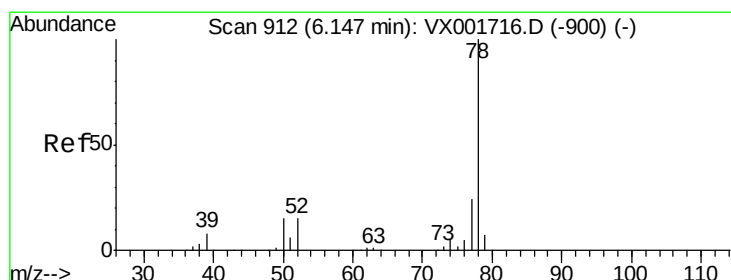
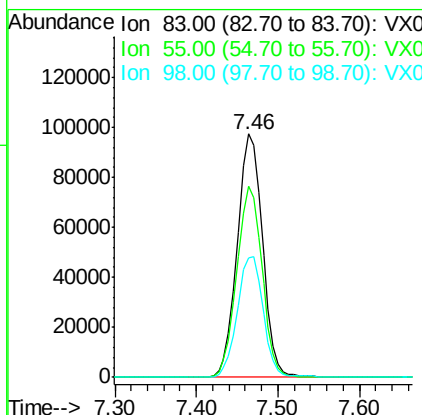
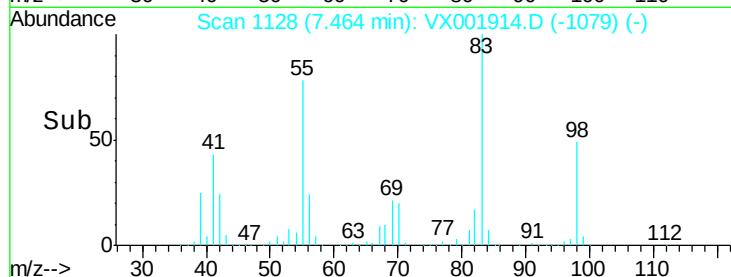
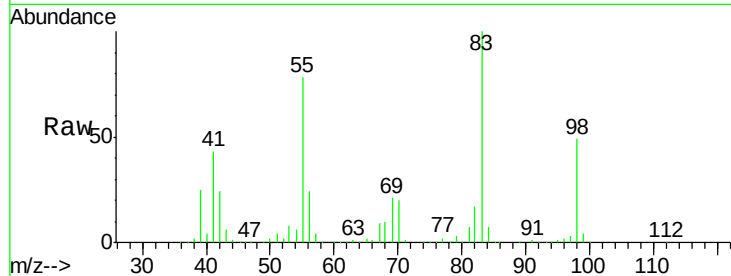
#39
Methylvlcyclohexane
Concen: 48.86 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209629		
55	78.4	60.6	90.8	
98	48.8	40.4	60.6	

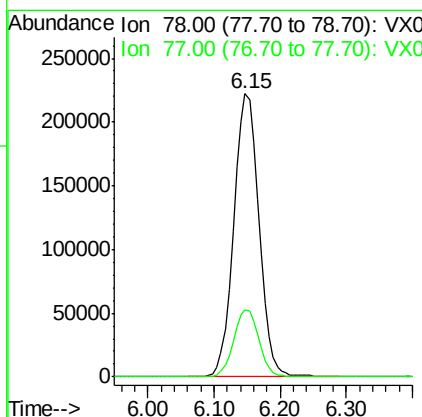
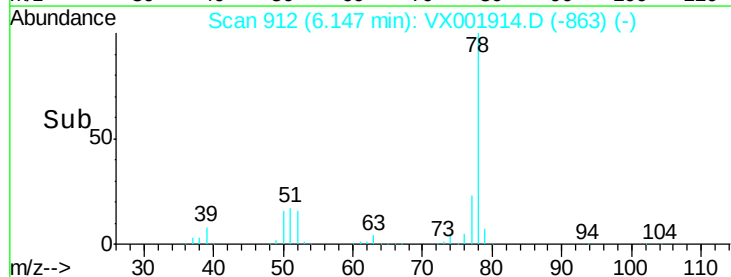
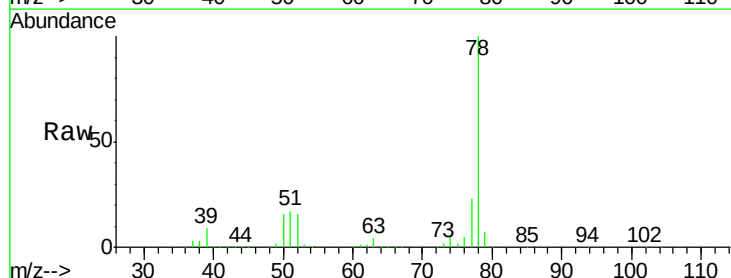
Manual Integrations
APPROVED

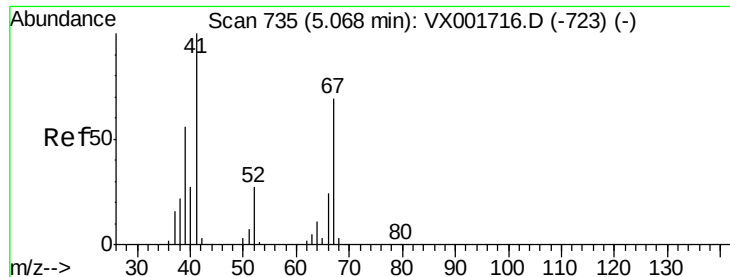
MMDadoda
5/24/2018 11:47:47 AM



#40
Benzene
Concen: 54.30 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	587408		
77	23.5	19.0	28.4	





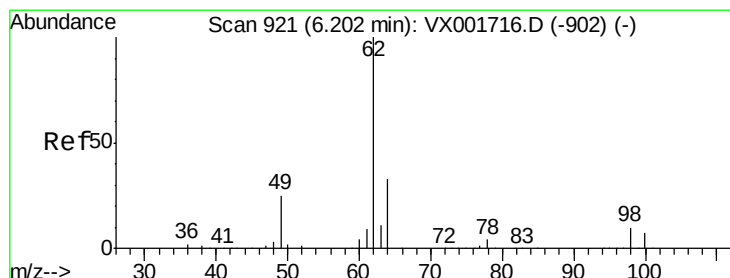
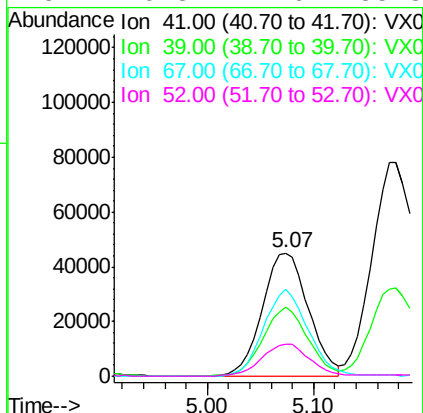
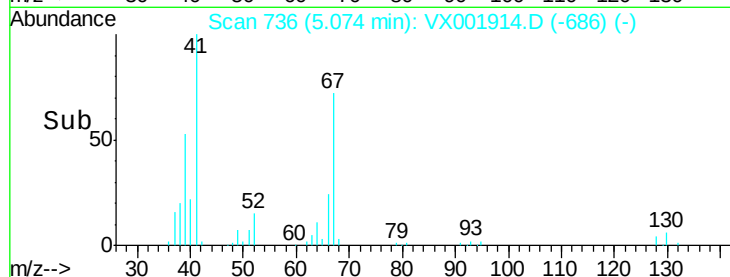
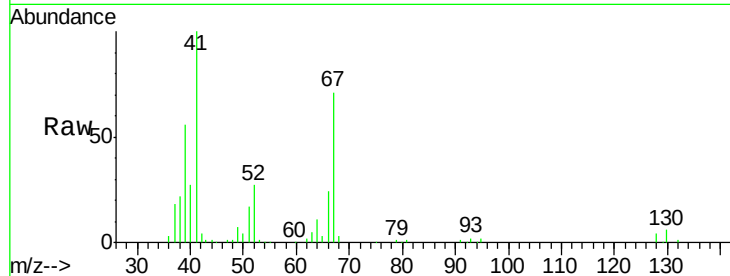
#41
Methacrylonitrile
Concen: 60.97 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.4	44.2	66.4		
67	69.3	56.0	84.0		
52	26.8	22.6	33.8		

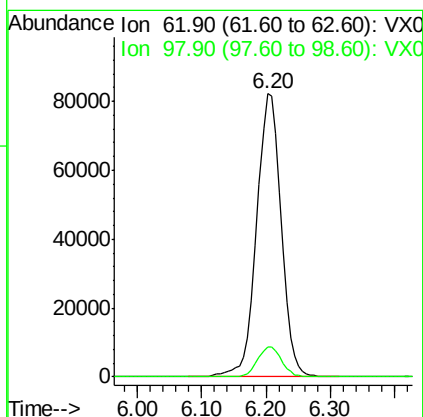
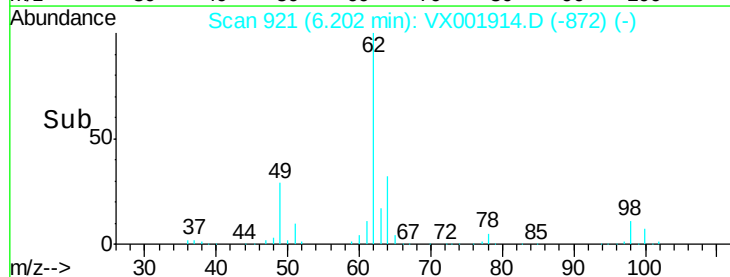
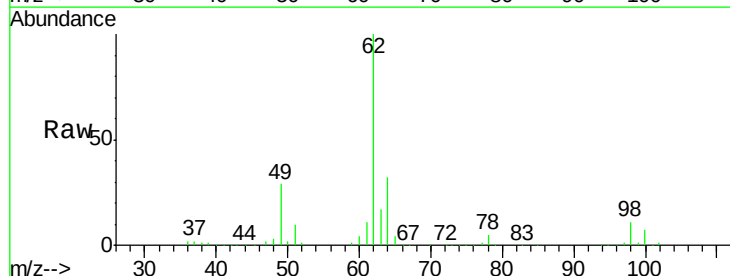
Manual Integrations
APPROVED

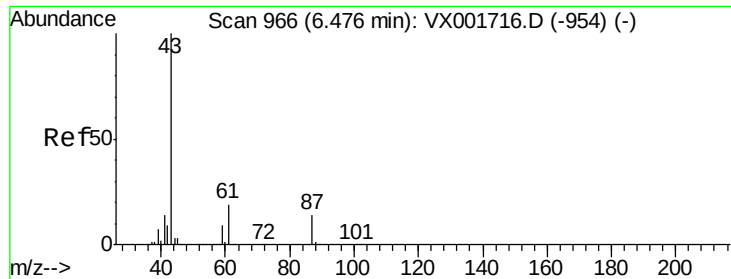
MMDadoda
5/24/2018 11:47:47 AM



#42
1,2-Dichloroethane
Concen: 55.15 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.3	0.0	20.0		





#43

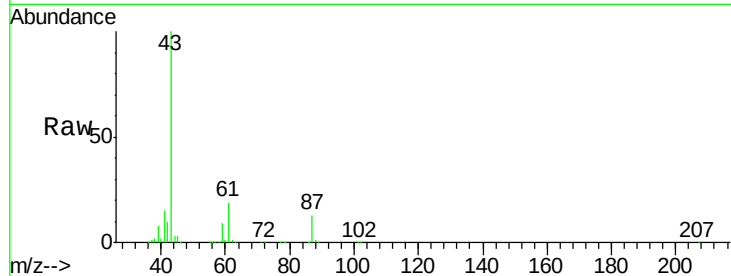
Isopropyl Acetate
 Concen: 59.87 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

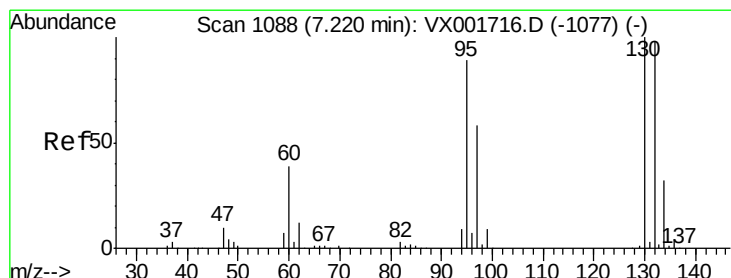
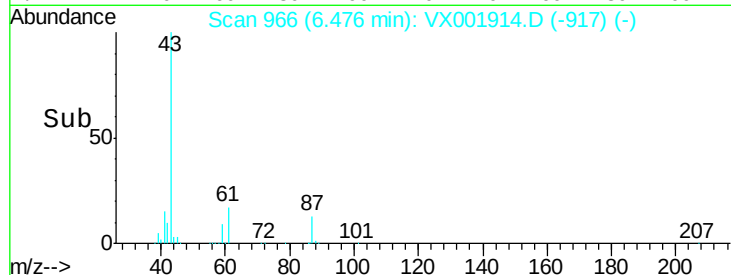
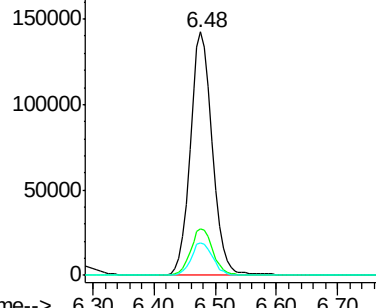
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.8	23.8
87	13.3	11.0	16.4

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:47 AM



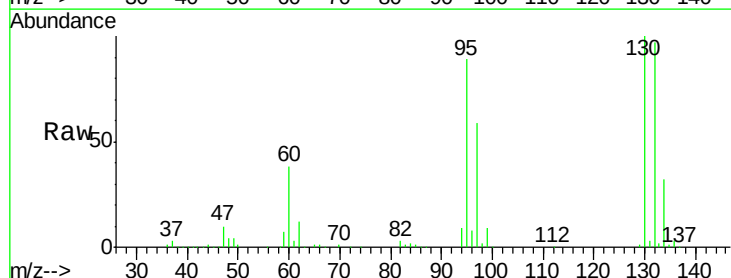
Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-954) (-)



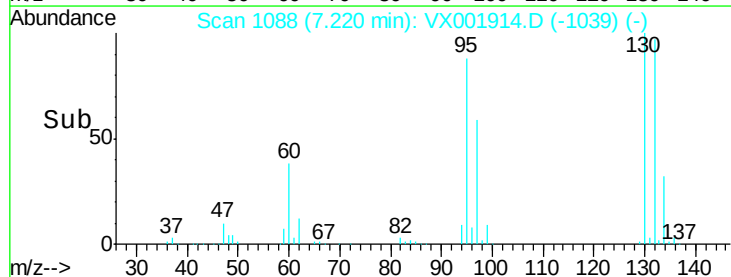
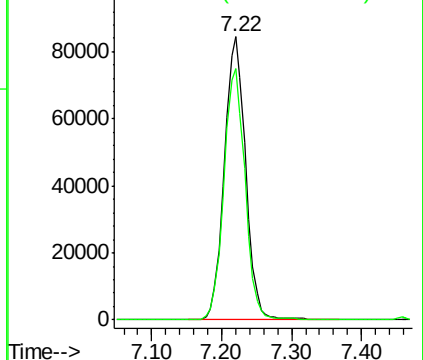
#44

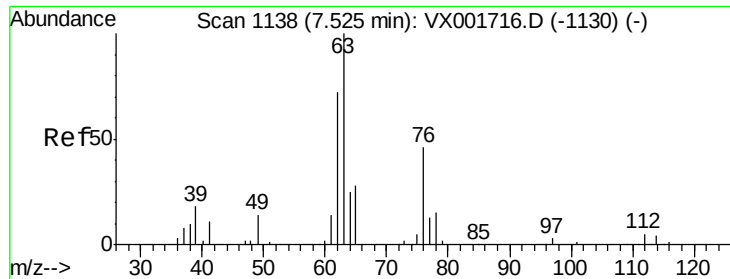
Trichloroethene
 Concen: 53.16 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	177.2



Abundance Ion 129.80 (129.50 to 130.50): VX001914.D (-1039) (-)





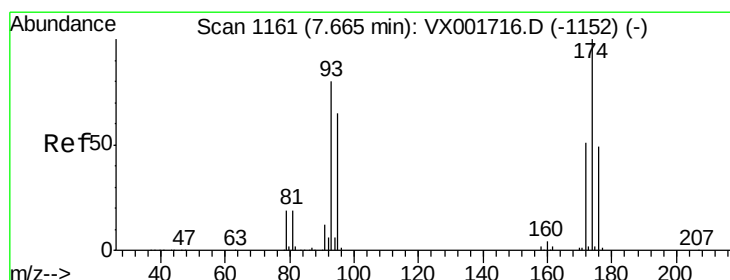
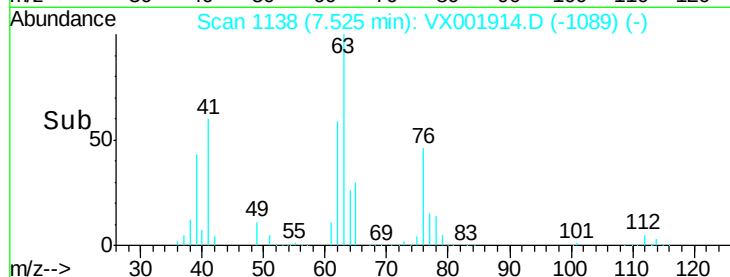
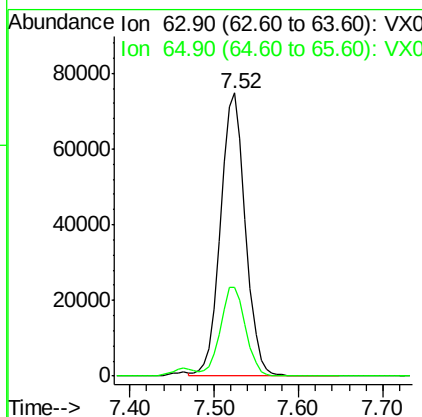
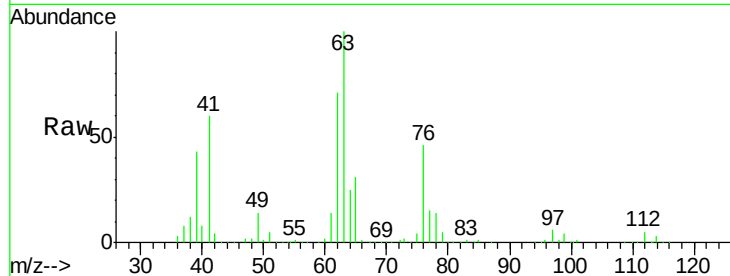
#45
 1,2-Dichloropropane
 Concen: 57.34 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.2	36.2

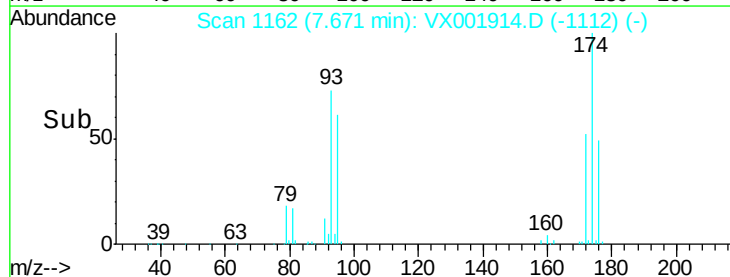
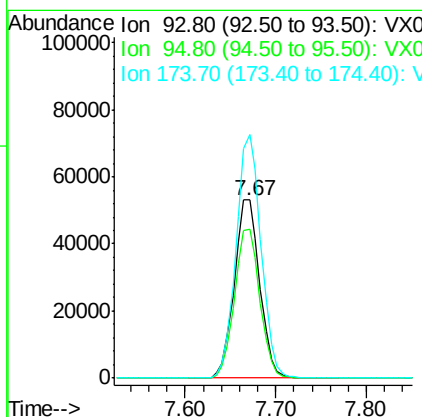
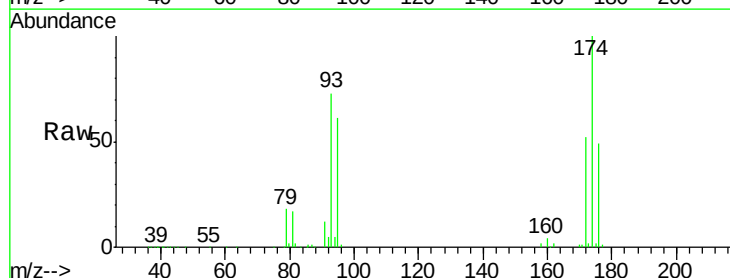
Manual Integrations
 APPROVED

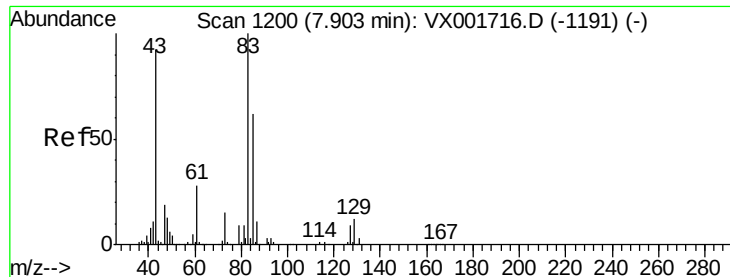
MMDadoda
 5/24/2018 11:47:47 AM



#46
 Dibromomethane
 Concen: 55.29 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	134.0	106.2	159.2





#47

Bromodichloromethane

Concen: 59.34 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

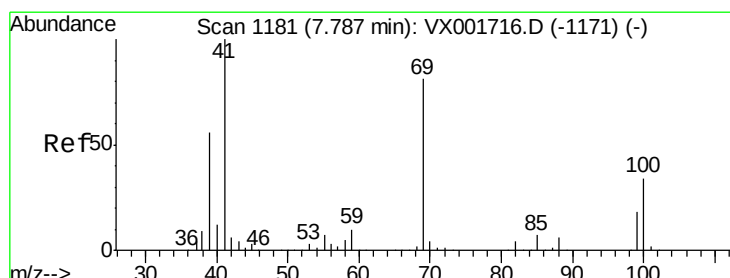
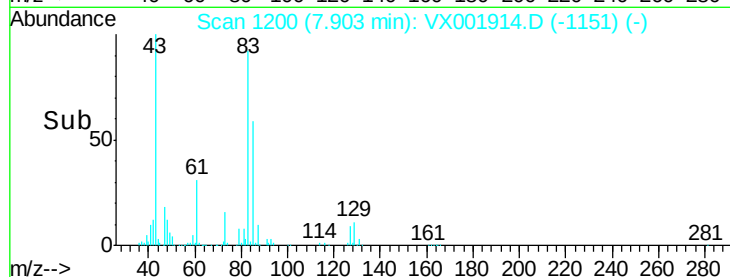
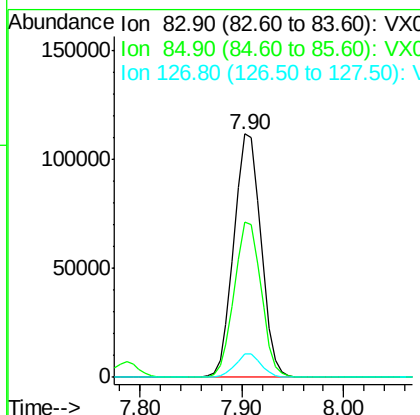
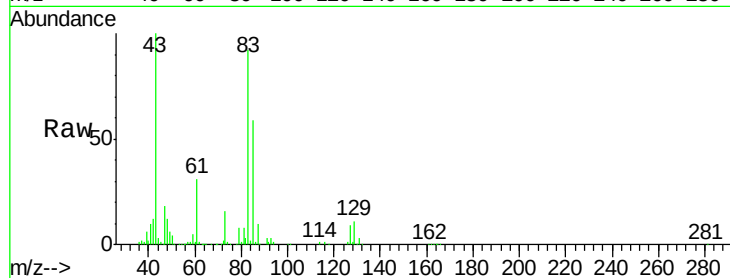
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	205248
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.6	74.4
127	9.4	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#48

Methyl methacrylate

Concen: 62.30 ug/l

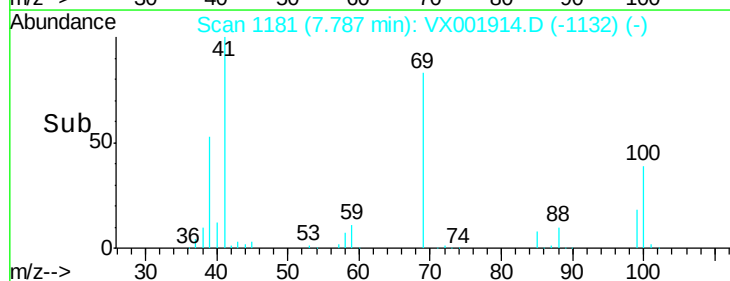
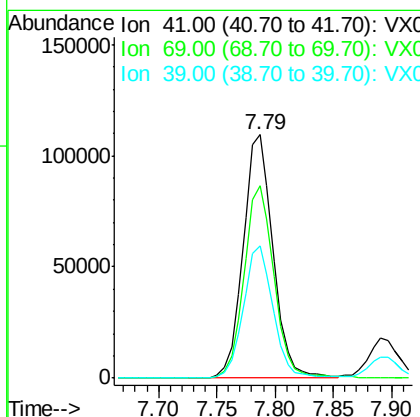
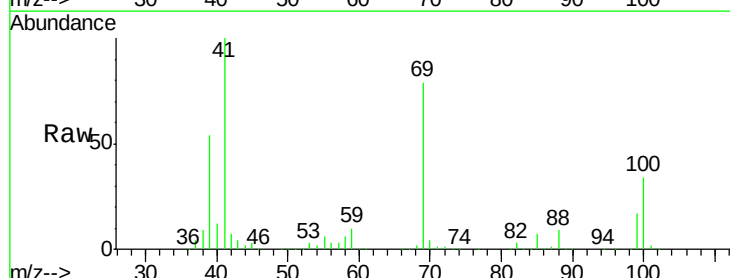
RT: 7.79 min Scan# 1181

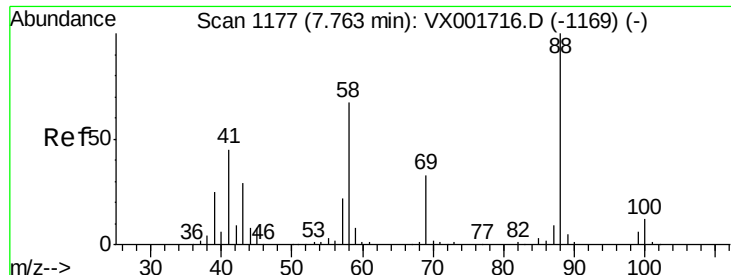
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	41	Resp:	196390
Ion	Ratio	Lower	Upper
41	100		
69	78.9	65.2	97.8
39	53.7	44.5	66.7





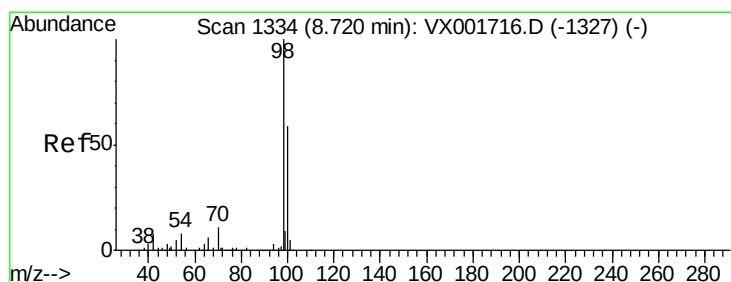
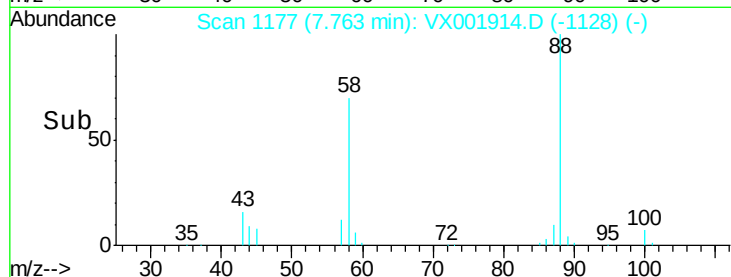
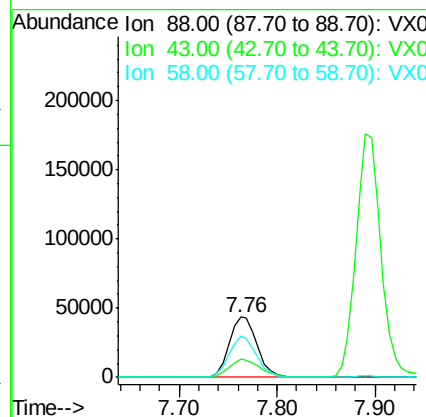
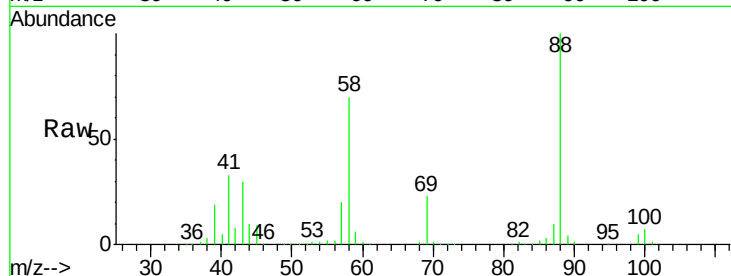
#49
1,4-Dioxane
Concen: 1407.95 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	85459
Ion Ratio	100	Lower	Upper
88	100		
43	32.6	27.3	40.9
58	68.1	55.9	83.9

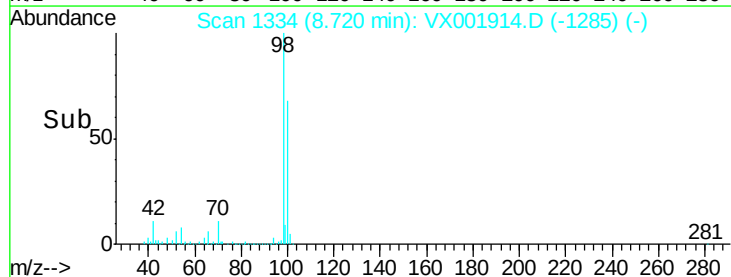
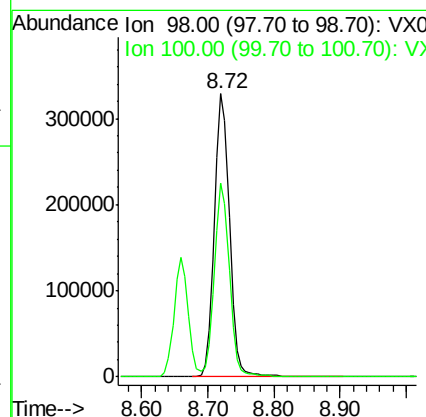
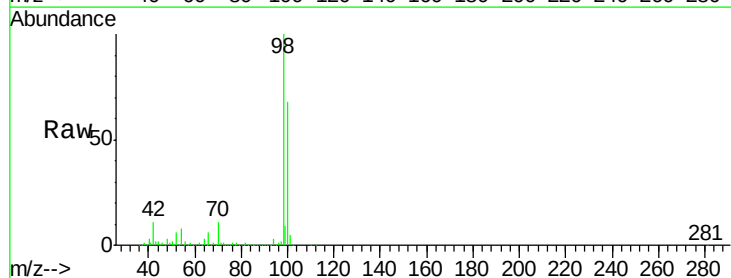
Manual Integrations
APPROVED

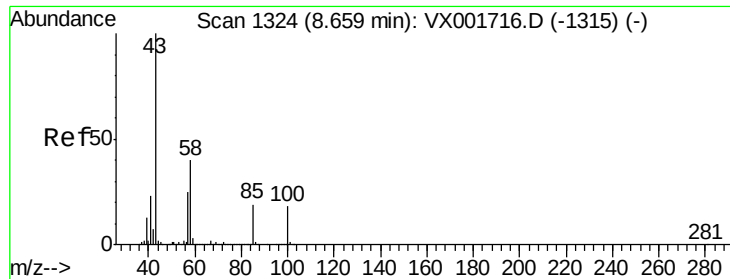
MMDadoda
5/24/2018 11:47:47 AM



#50
Toluene-d8
Concen: 54.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	98	Resp	523791
Ion Ratio	100	Lower	Upper
98	100		
100	68.0	54.0	81.0





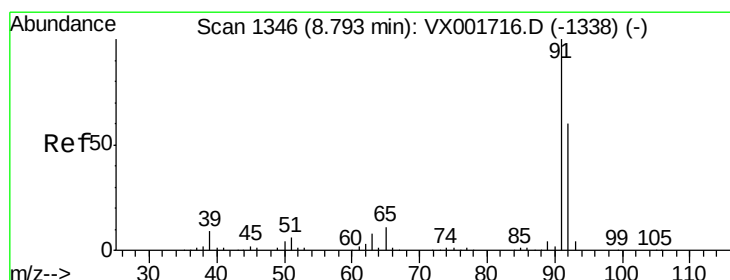
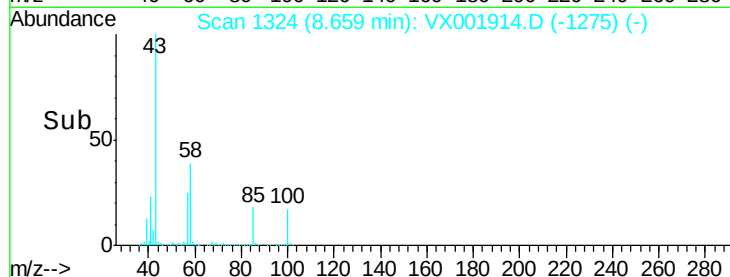
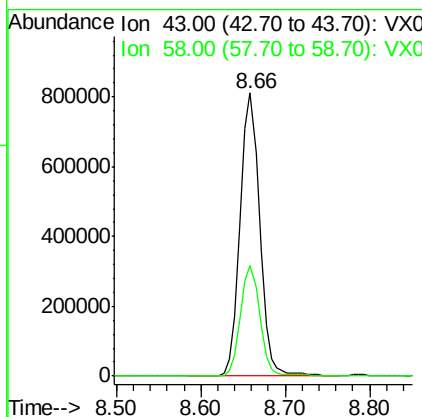
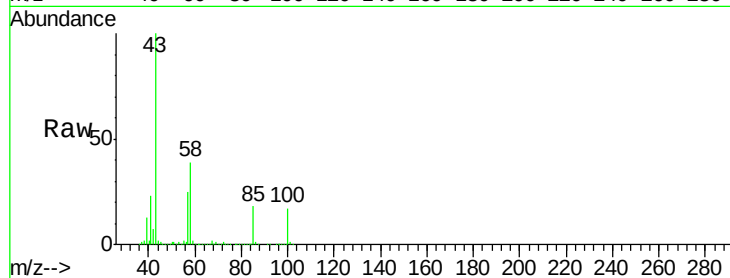
#51
4-Methyl-2-Pentanone
Concen: 332.46 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1261852
Ion Ratio Lower Upper
43 100
58 38.6 31.4 47.0

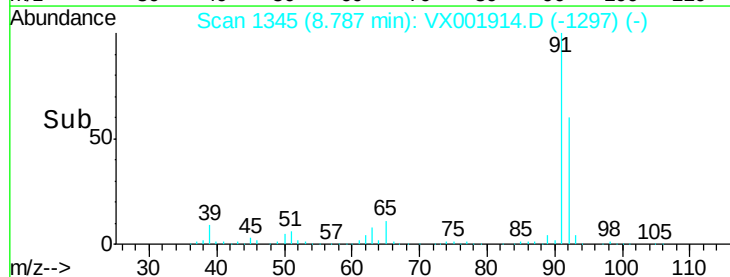
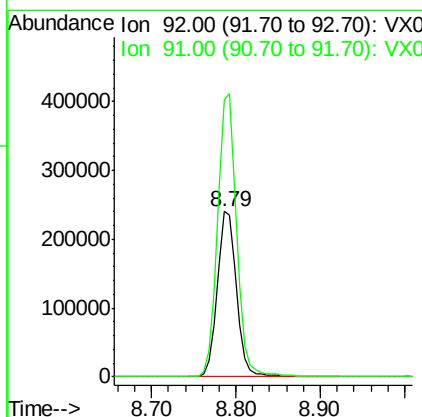
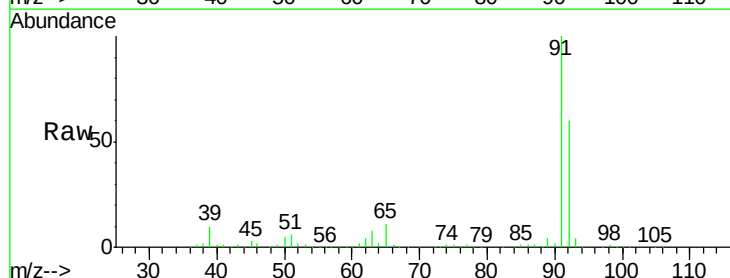
Manual Integrations
APPROVED

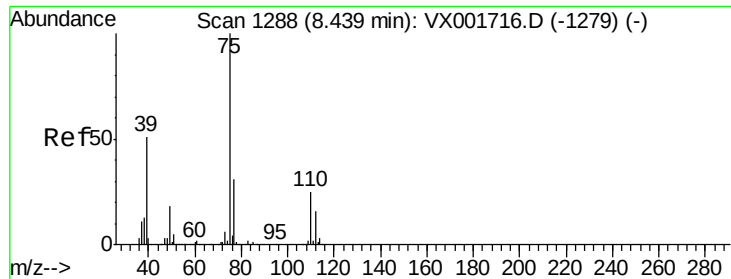
MMDadoda
5/24/2018 11:47:47 AM



#52
Toluene
Concen: 54.89 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion: 92 Resp: 381540
Ion Ratio Lower Upper
92 100
91 171.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 54.82 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 223122

Ion Ratio Lower Upper

75 100

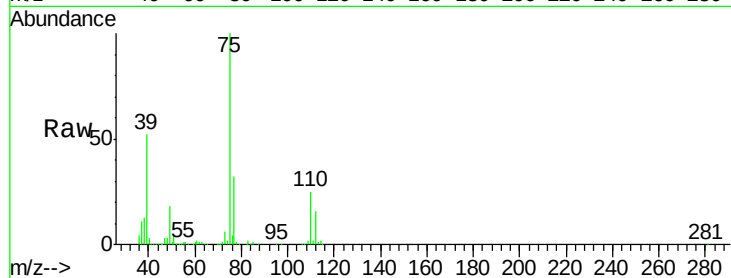
77 31.5 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

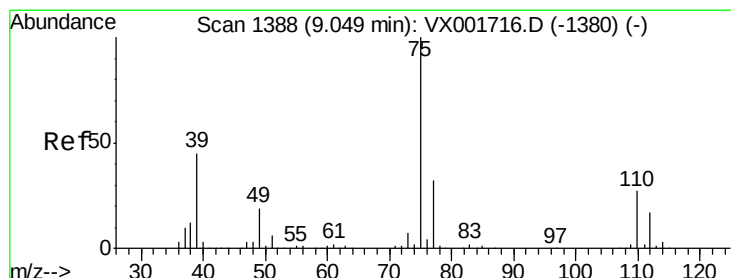
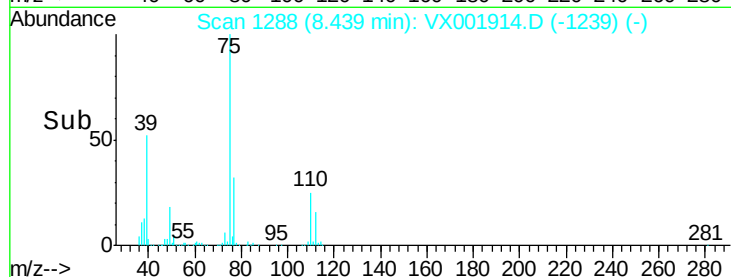
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.36 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

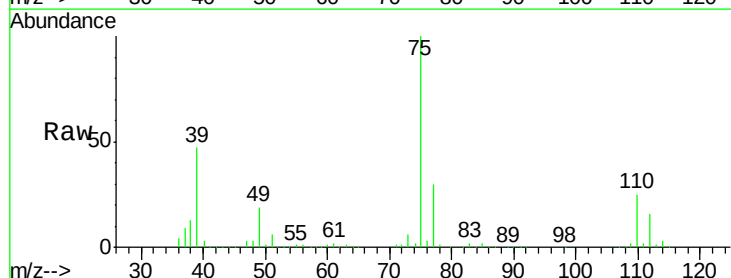
Tgt Ion: 75 Resp: 202174

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 46.6 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

150000

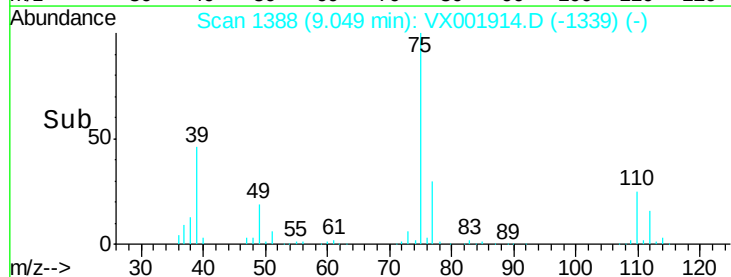
100000

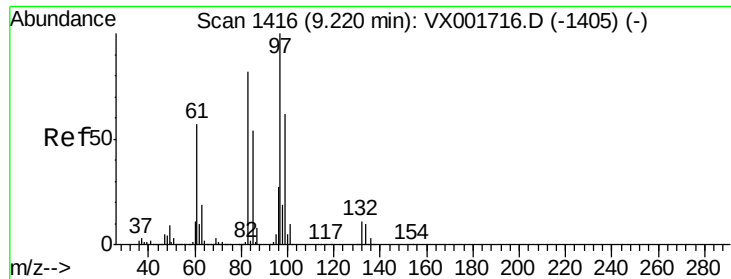
50000

0

9.00 9.10 9.20

Time-->





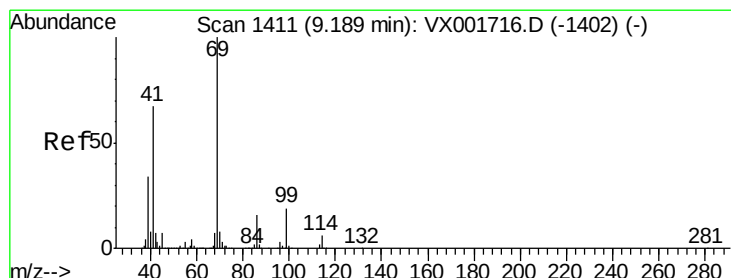
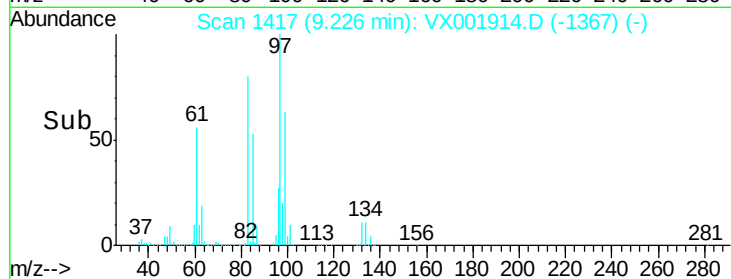
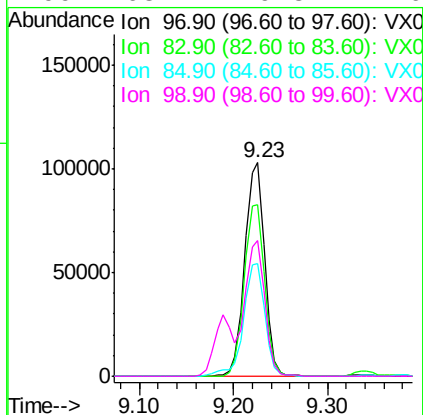
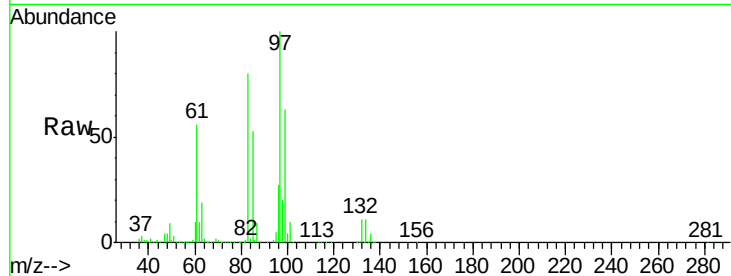
#55
 1,1,2-Trichloroethane
 Concen: 57.31 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		152295		
83	80.4	65.8	98.8		
85	52.6	43.4	65.0		
99	63.4	49.8	74.6		

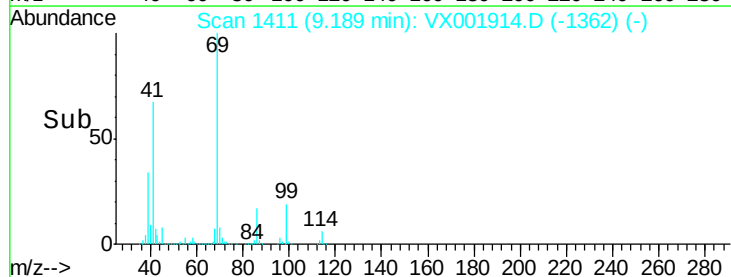
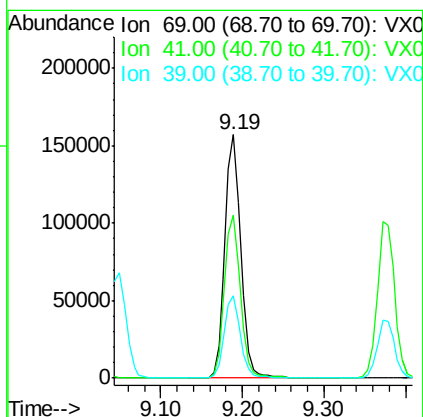
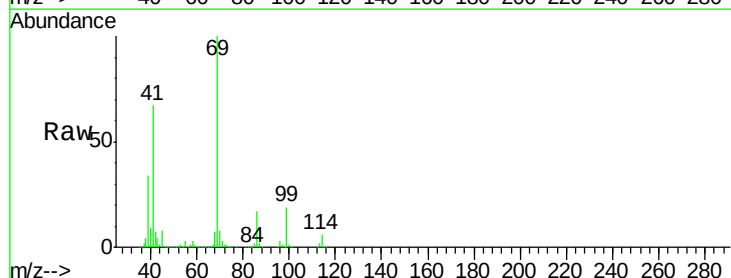
Manual Integrations
 APPROVED

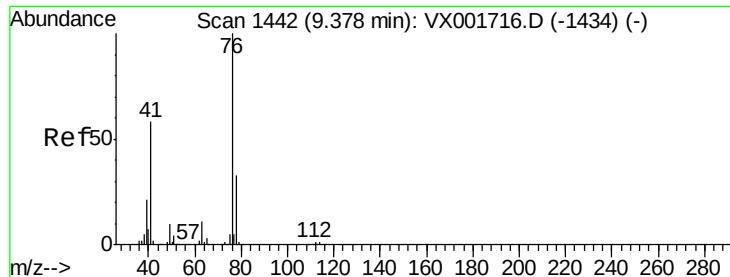
MMDadoda
 5/24/2018 11:47:47 AM



#56
 Ethyl methacrylate
 Concen: 56.71 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		213712		
41	67.1	53.5	80.3		
39	34.1	27.2	40.8		





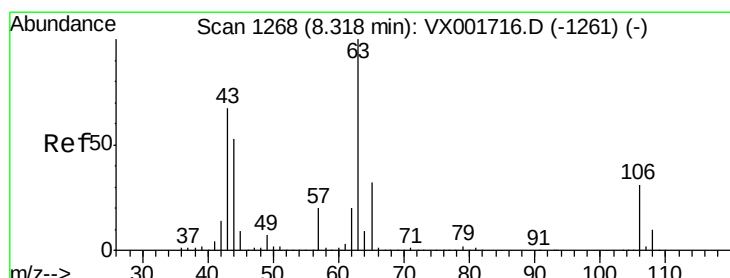
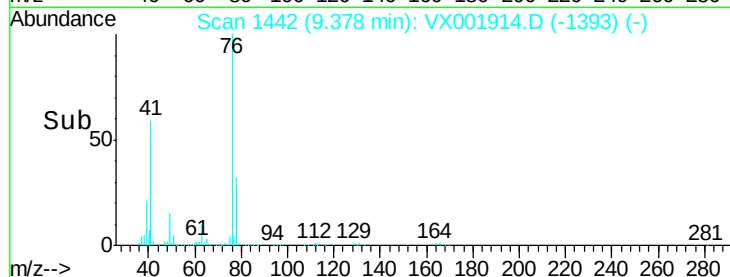
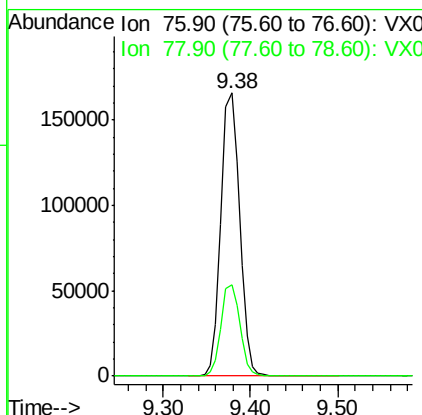
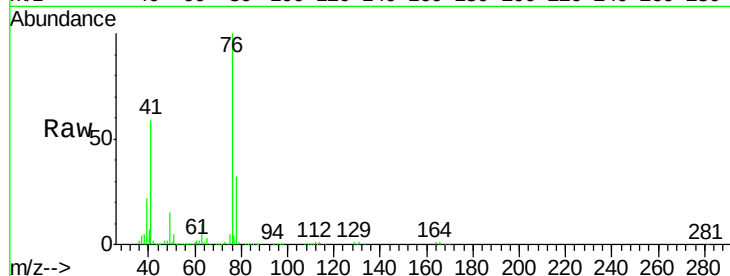
#57
 1,3-Dichloropropane
 Concen: 55.59 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

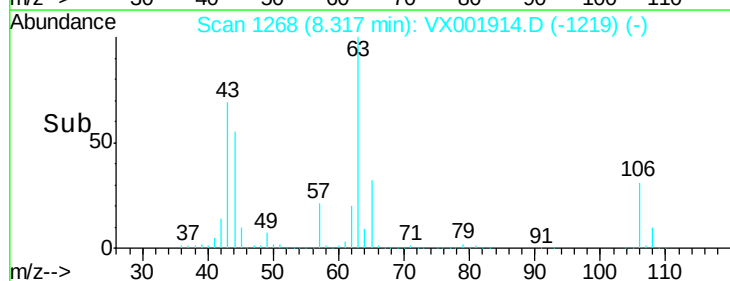
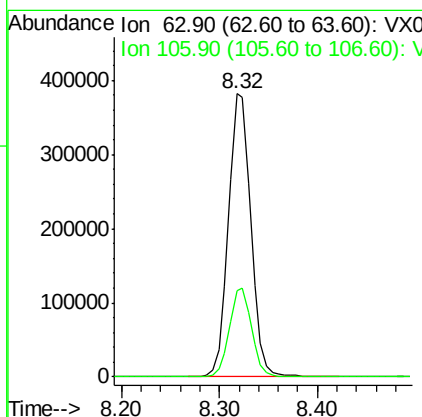
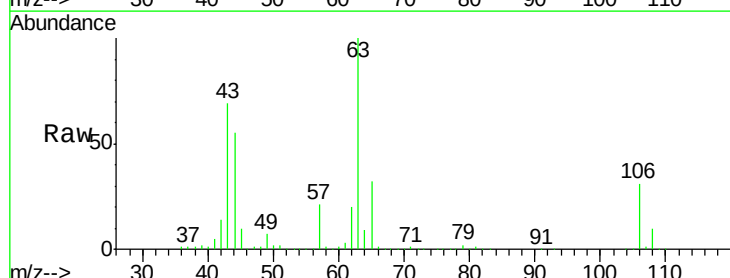
Manual Integrations
 APPROVED

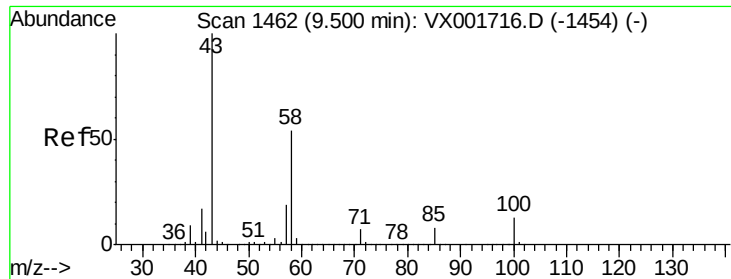
MMDadoda
 5/24/2018 11:47:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 312.62 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.1	37.7





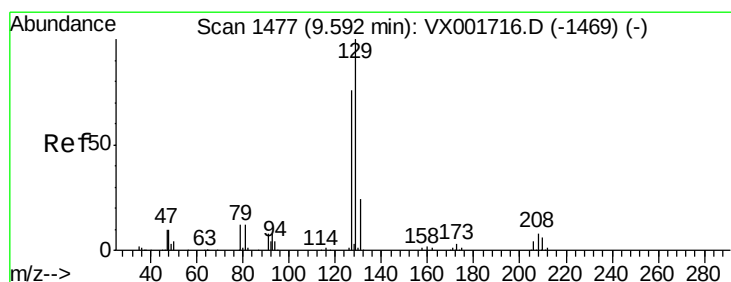
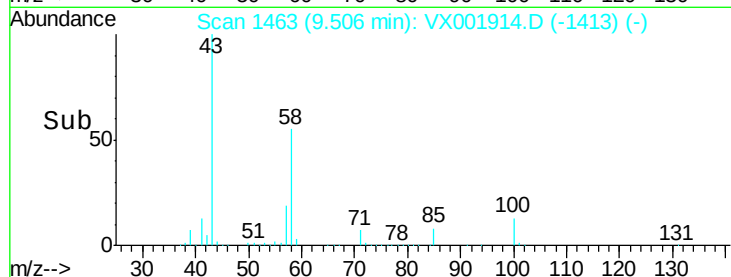
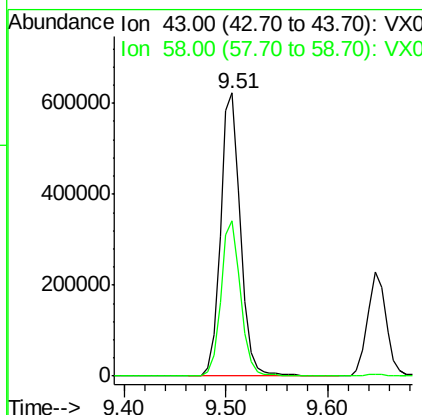
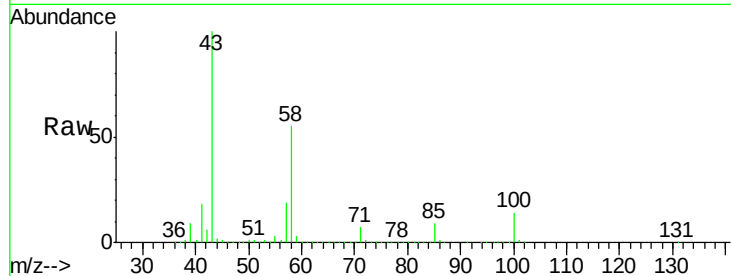
#59
2-Hexanone
Concen: 311.28 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 845743
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.1

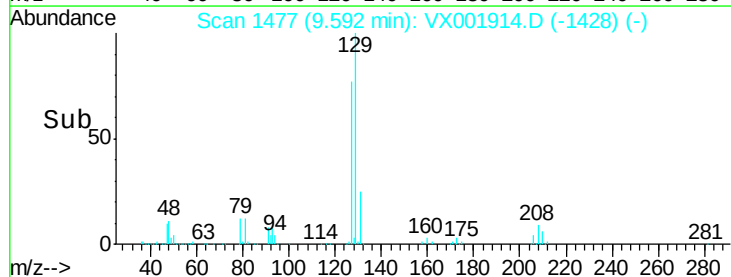
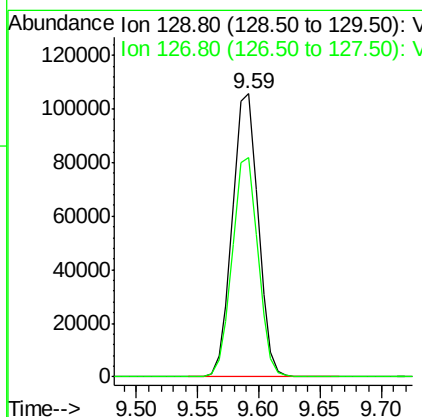
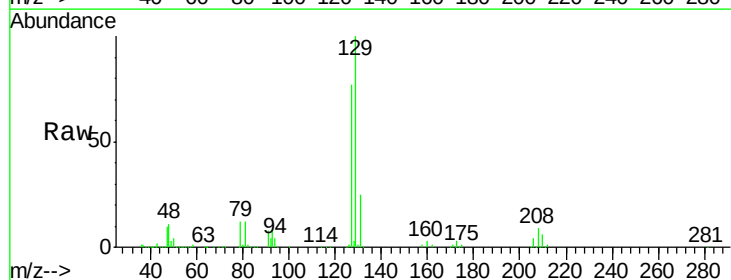
Manual Integrations
APPROVED

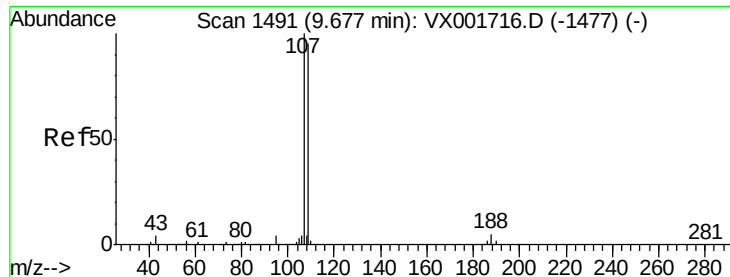
MMDadoda
5/24/2018 11:47:47 AM



#60
Dibromochloromethane
Concen: 56.77 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion: 129 Resp: 154466
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 54.01 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 150239

Ion Ratio Lower Upper

107 100

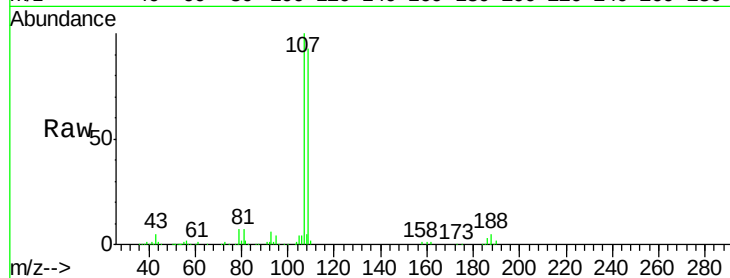
109 94.5 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

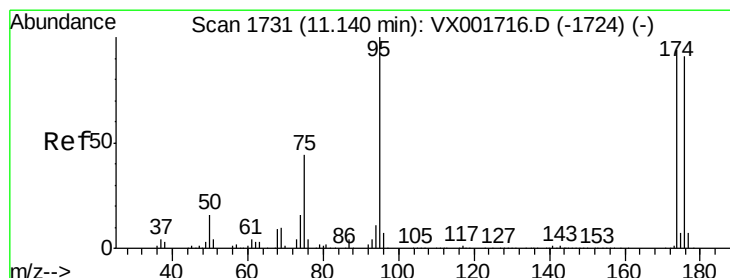
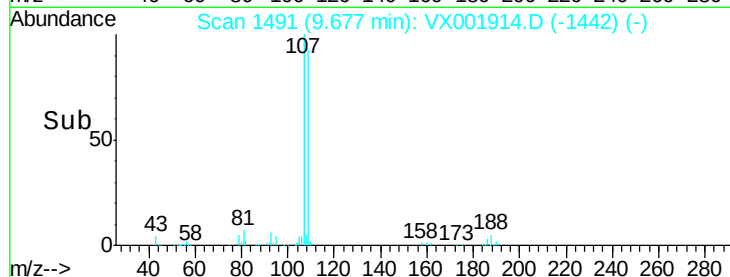
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.50 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

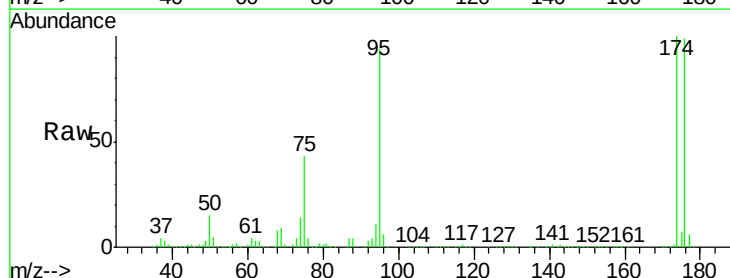
Tgt Ion: 95 Resp: 171826

Ion Ratio Lower Upper

95 100

174 102.4 0.0 201.8

176 100.0 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

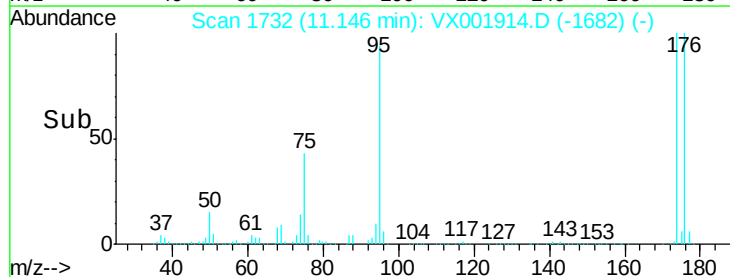
150000

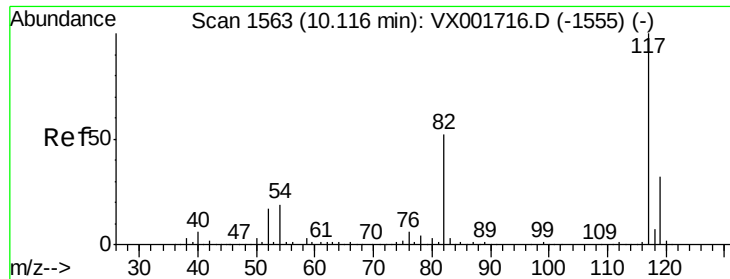
100000

50000

0

Time-->





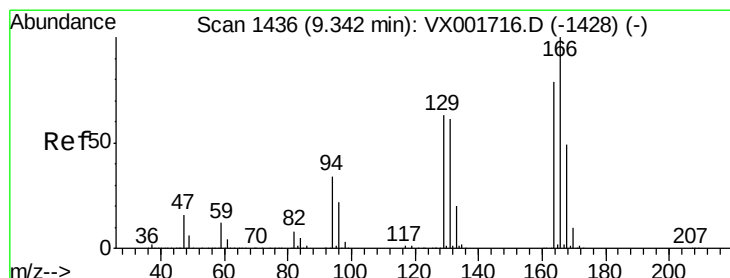
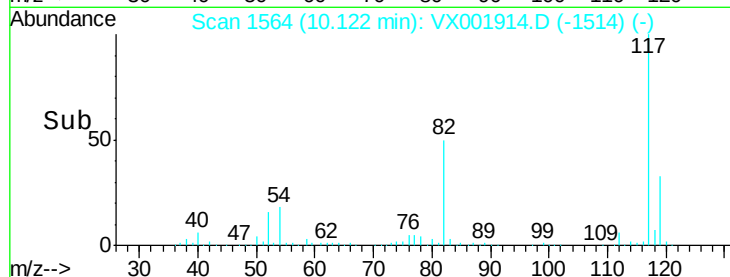
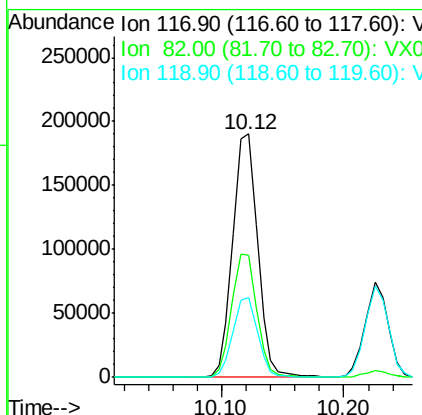
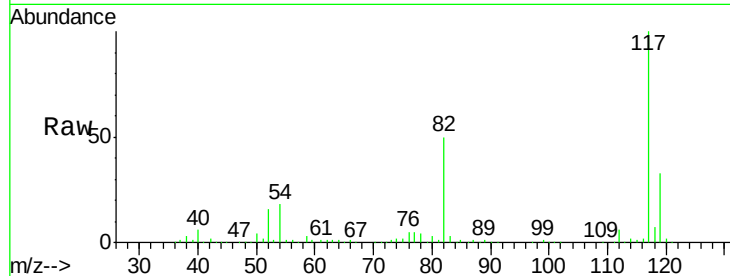
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.4	62.2
119	32.6	25.6	38.4

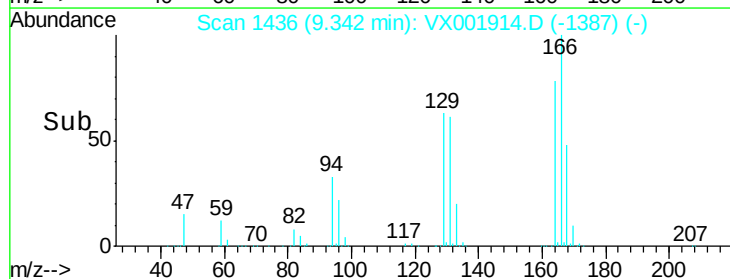
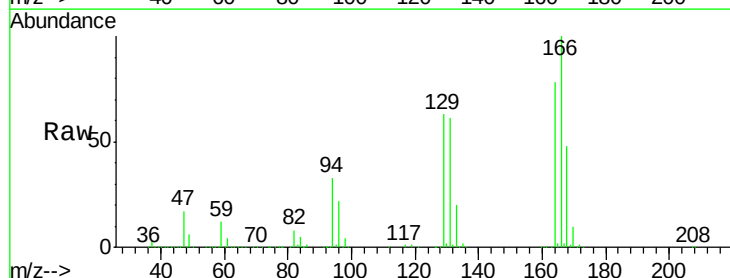
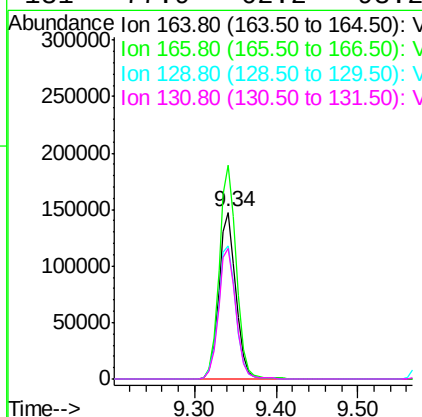
Manual Integrations
APPROVED

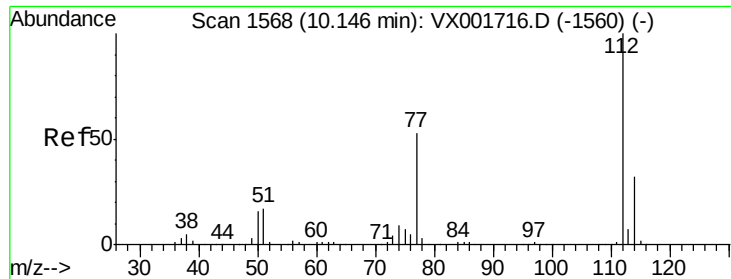
MMDadoda
5/24/2018 11:47:47 AM



#64
Tetrachloroethene
Concen: 61.18 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.8	152.8
129	80.1	63.8	95.6
131	77.9	62.2	93.2





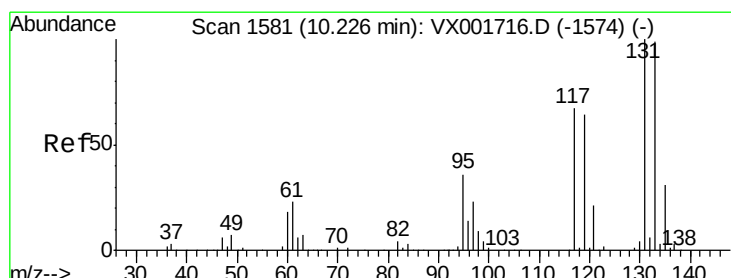
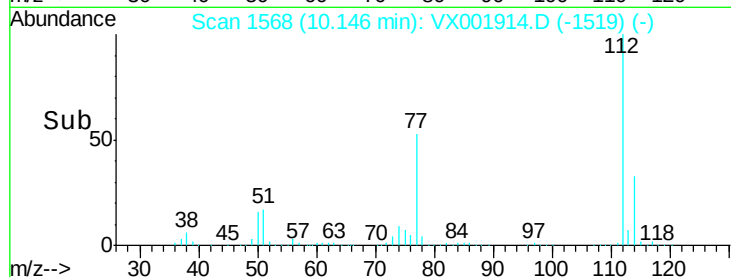
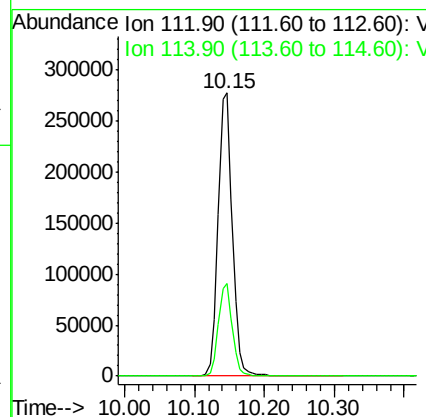
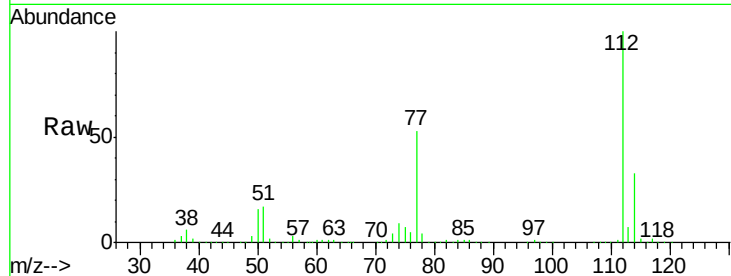
#65
Chlorobenzene
Concen: 52.89 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 391688
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

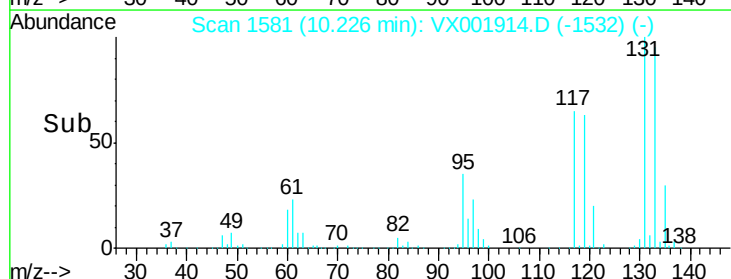
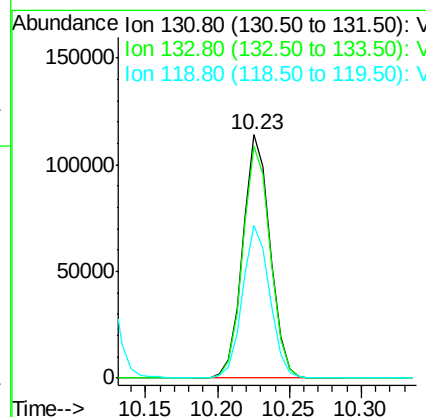
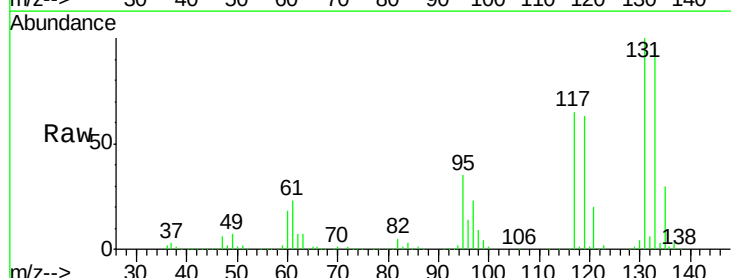
Manual Integrations
APPROVED

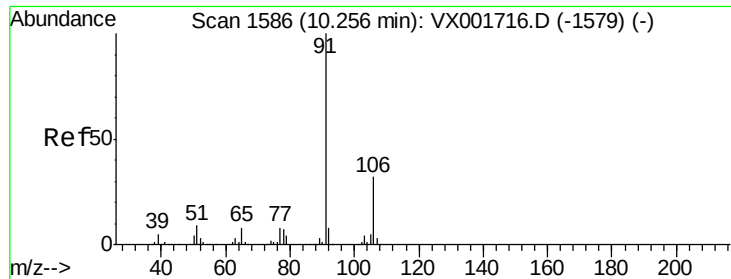
MMDadoda
5/24/2018 11:47:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.39 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion:131 Resp: 150101
Ion Ratio Lower Upper
131 100
133 95.9 48.5 145.6
119 62.7 31.9 95.5





#67

Ethyl Benzene

Concen: 53.50 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 633244

Ion Ratio Lower Upper

91 100

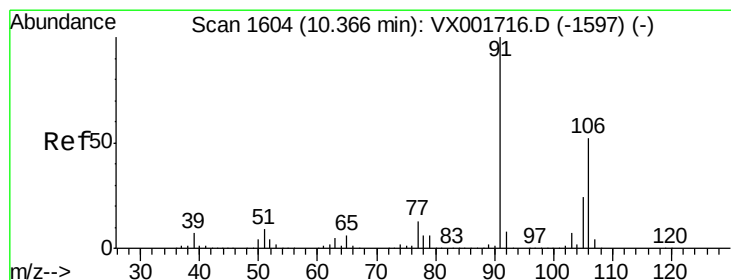
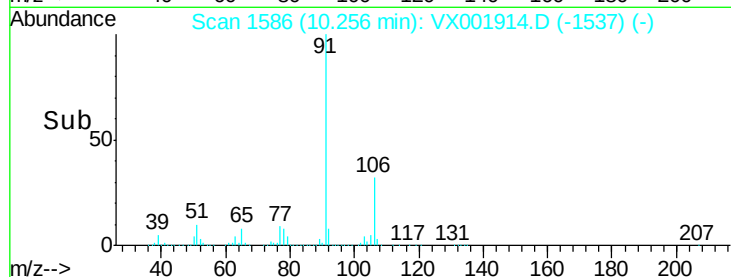
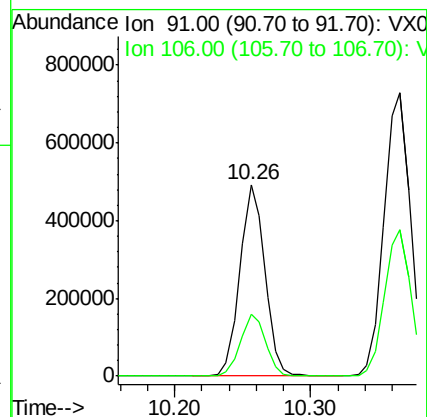
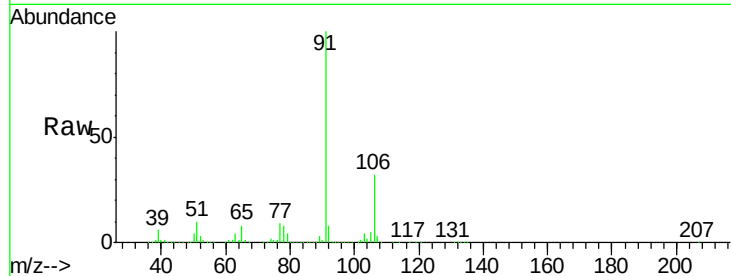
106 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

5/24/2018 11:47:47 AM



#68

m/p-Xylenes

Concen: 108.78 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001914.D

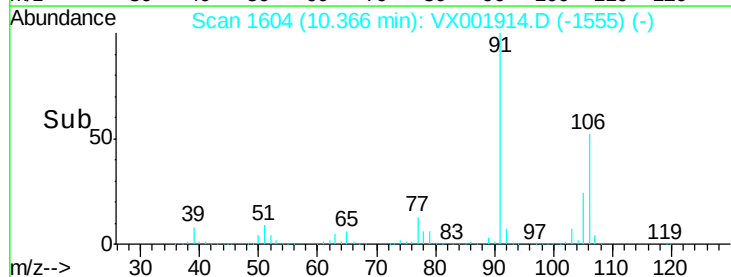
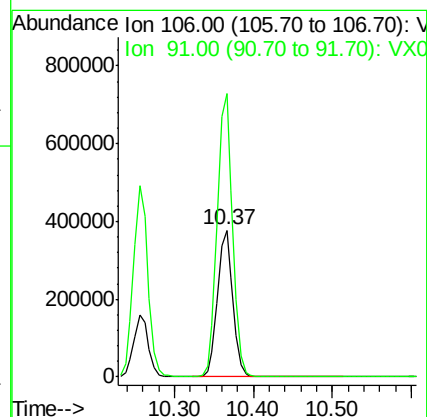
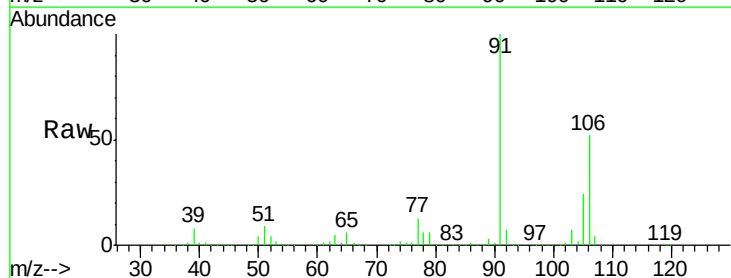
Acq: 23 May 2018 00:58

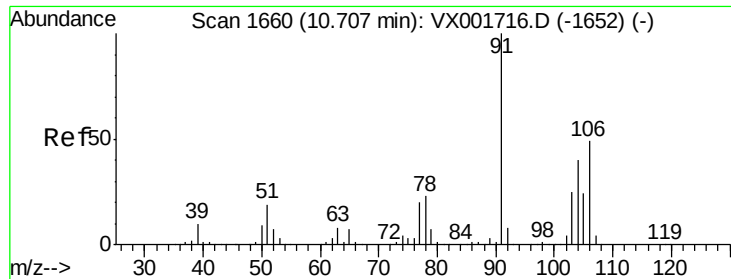
Tgt Ion: 106 Resp: 507961

Ion Ratio Lower Upper

106 100

91 194.7 155.4 233.2





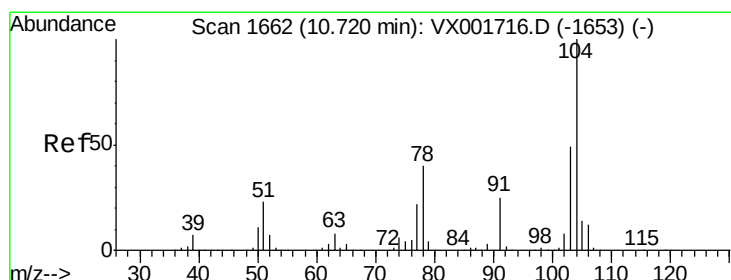
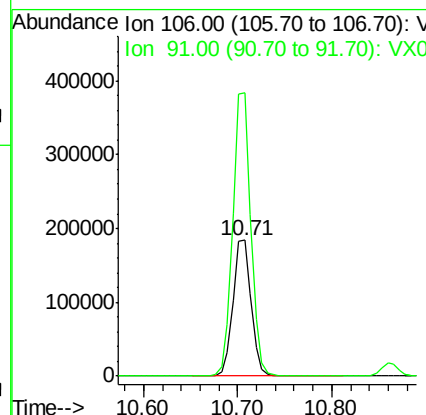
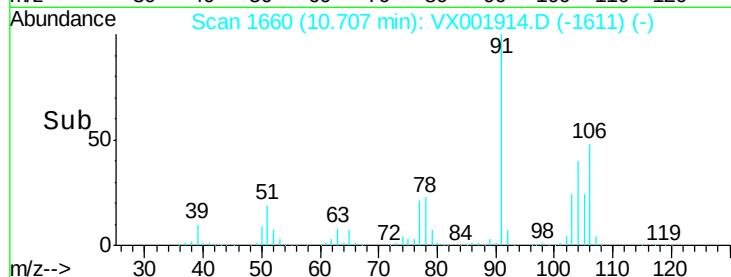
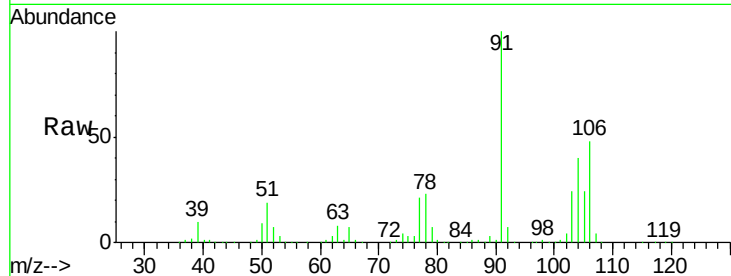
#69
o-Xylene
Concen: 55.23 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 247001
Ion Ratio Lower Upper
106 100
91 206.9 103.4 310.2

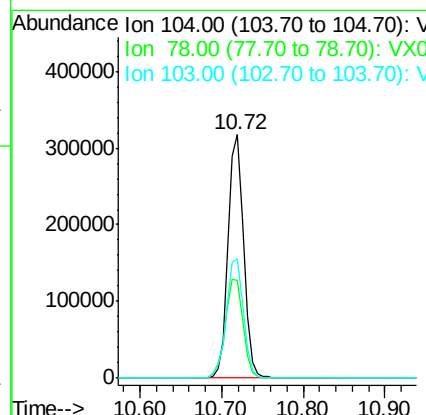
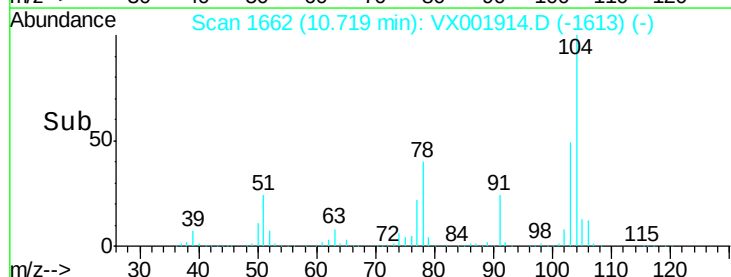
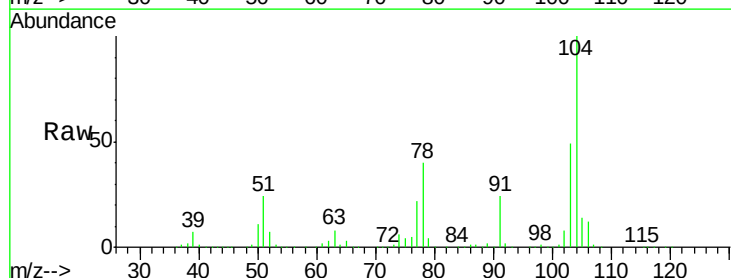
Manual Integrations
APPROVED

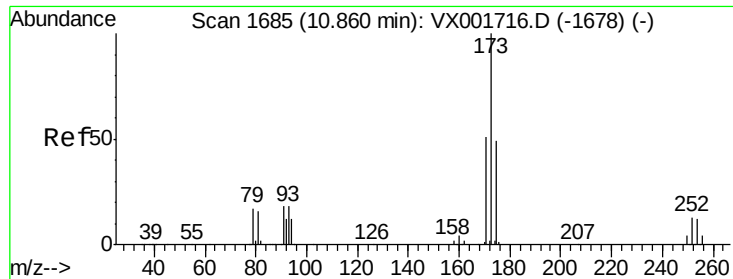
MMDadoda
5/24/2018 11:47:47 AM



#70
Styrene
Concen: 56.91 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion:104 Resp: 419768
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 54.2 43.7 65.5





#71

Bromoform

Concen: 53.05 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

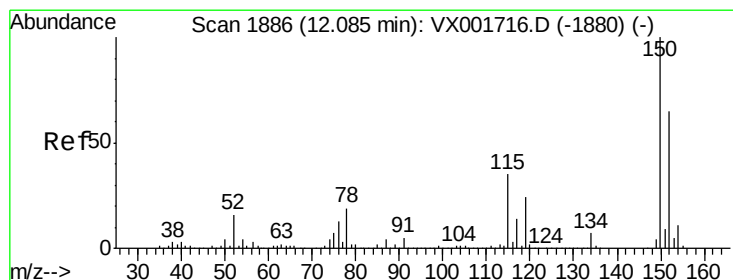
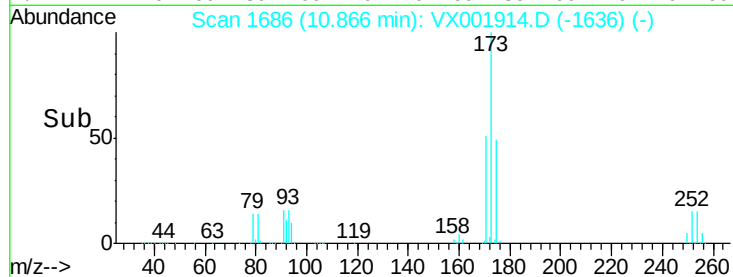
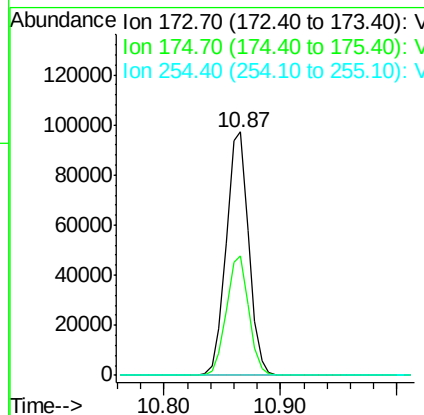
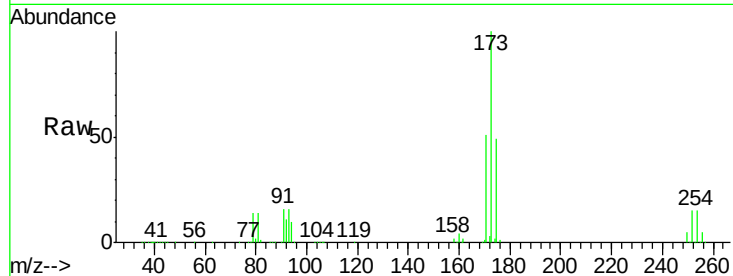
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	129611
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

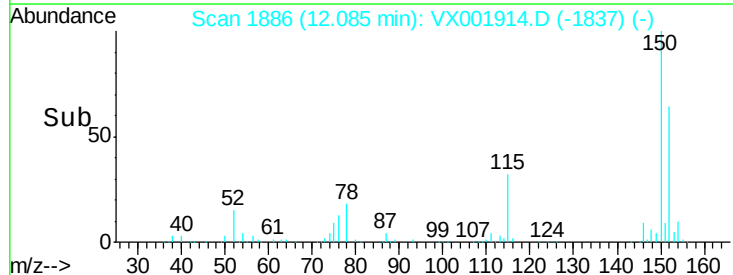
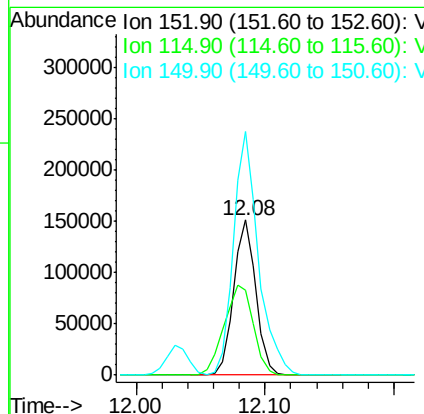
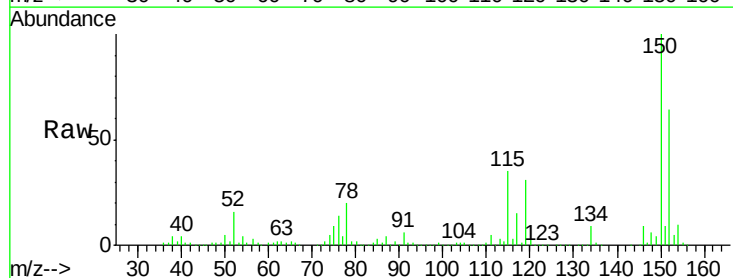
RT: 12.08 min Scan# 1886

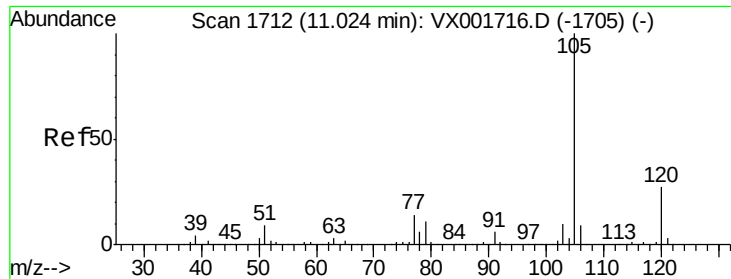
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	152	Resp:	181643
Ion Ratio	Lower	Upper	
152	100		
115	77.2	37.4	112.2
150	176.6	0.0	344.8





#73

Isopropylbenzene

Concen: 55.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 669018

Ion Ratio Lower Upper

105 100

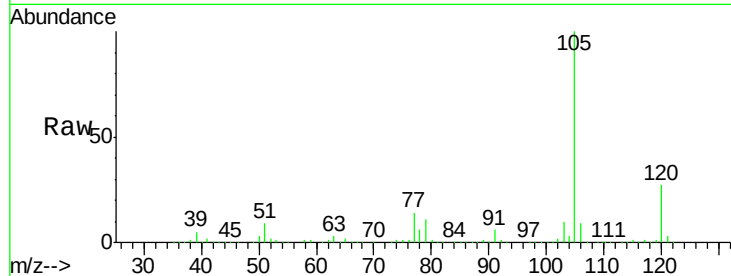
120 27.3 13.8 41.3

Manual Integrations

APPROVED

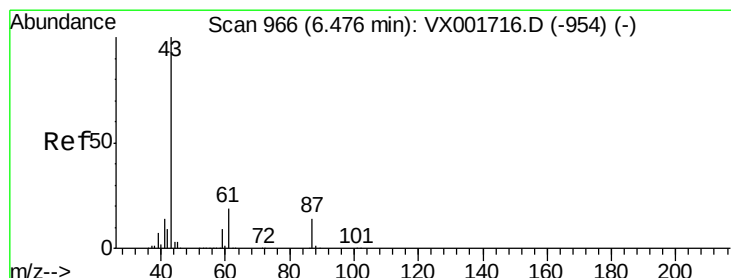
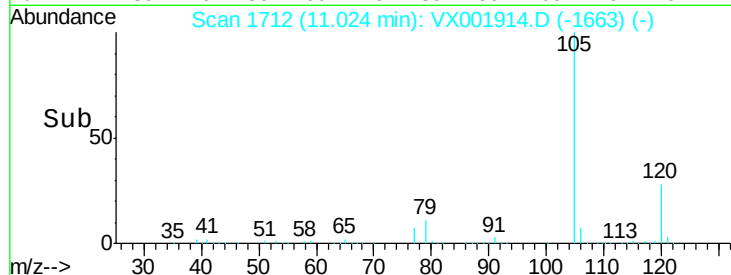
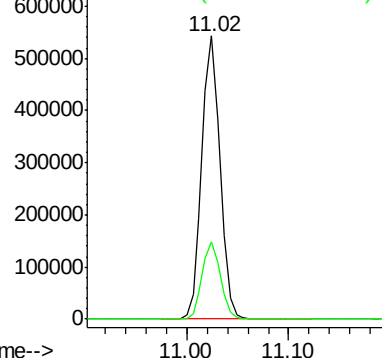
MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.52 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion: 43 Resp: 358568

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

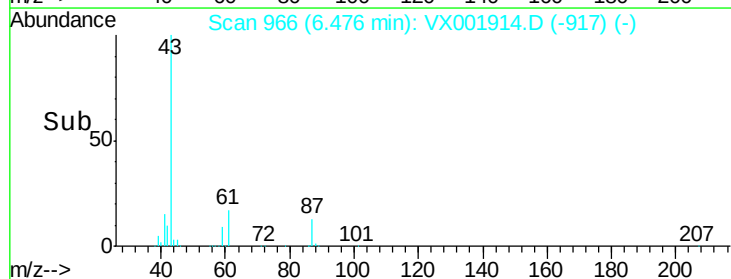
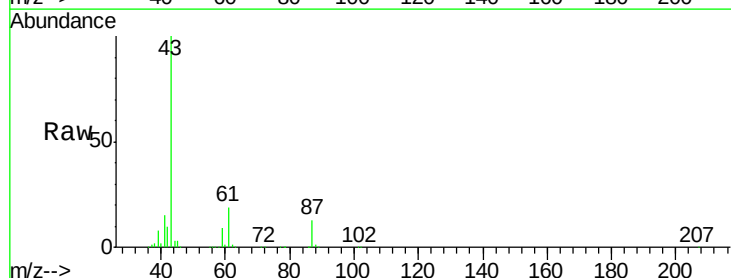
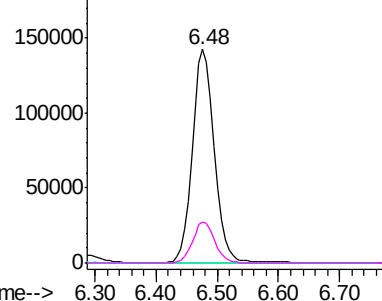
61 19.4 15.8 23.8

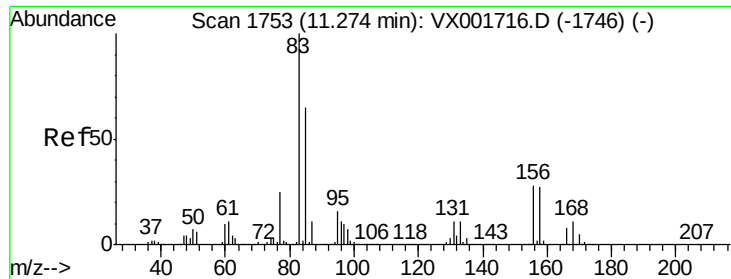
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.07 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

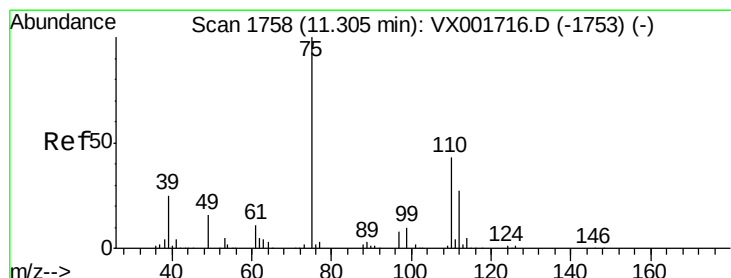
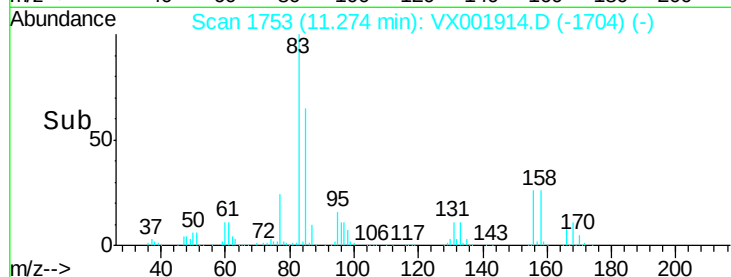
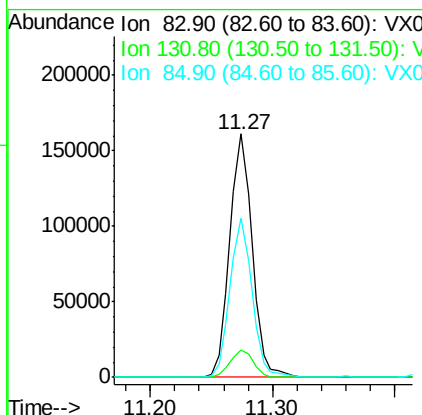
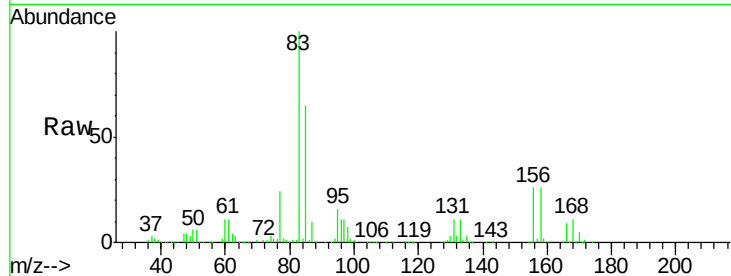
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	204789
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.0
85	64.4	32.7	98.1

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#76

1,2,3-Trichloropropane

Concen: 58.60 ug/l m

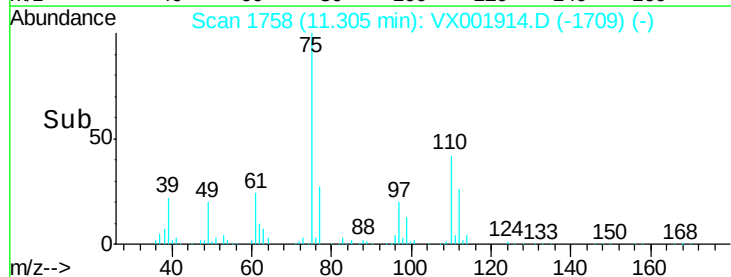
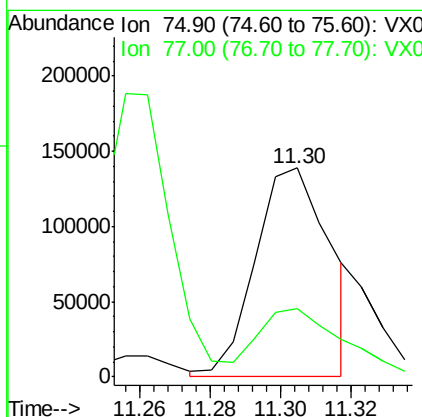
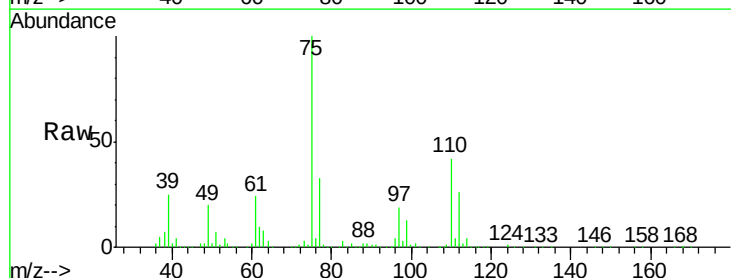
RT: 11.30 min Scan# 1758

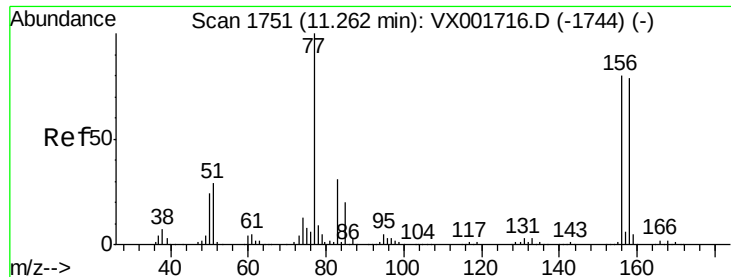
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	75	Resp:	202394
Ion Ratio	Lower	Upper	
75	100		
77	37.5	18.9	56.7





#77

Bromobenzene

Concen: 54.72 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

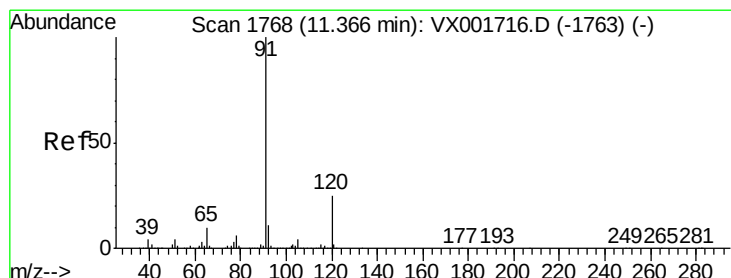
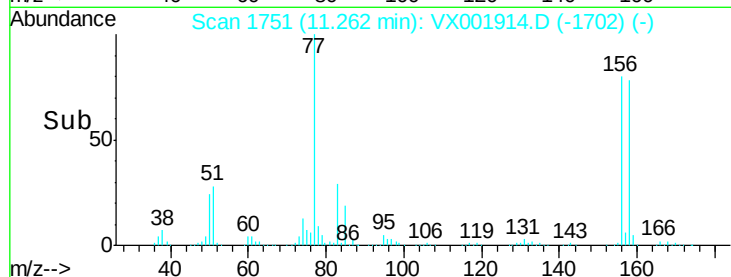
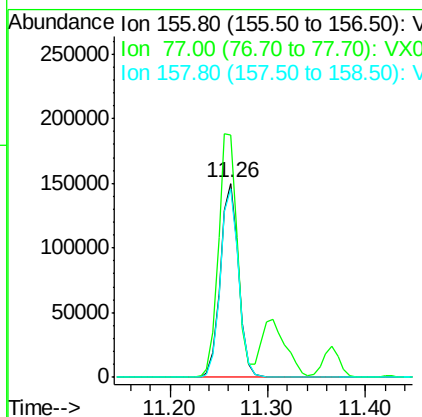
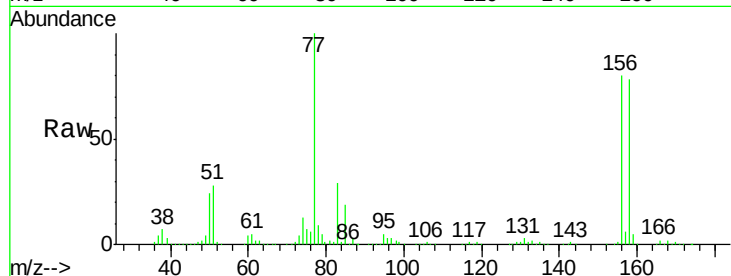
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	192338
Ion Ratio	Lower	Upper	
156	100		
77	131.8	65.3	196.0
158	97.7	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#78

n-propylbenzene

Concen: 55.07 ug/l

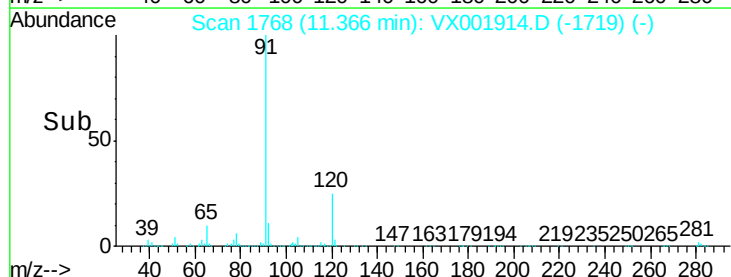
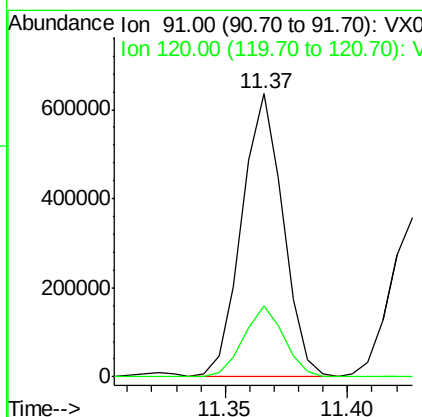
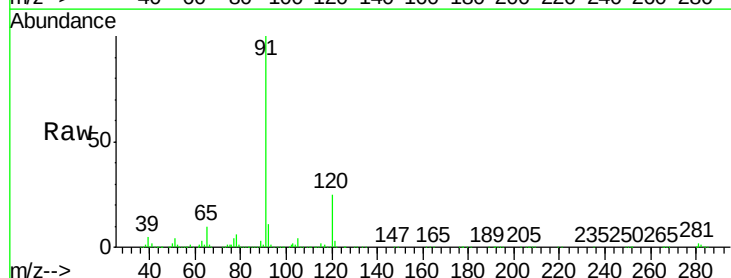
RT: 11.37 min Scan# 1768

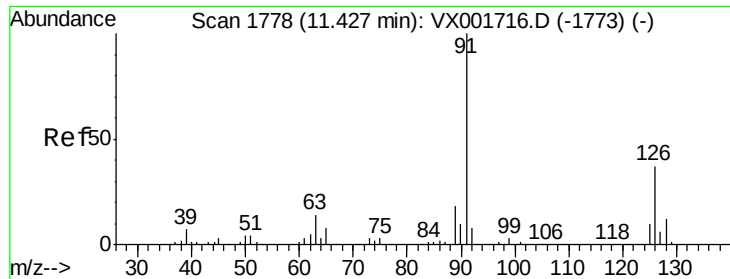
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	91	Resp:	742210
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5





#79

2-Chlorotoluene

Concen: 54.95 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 442914

Ion Ratio Lower Upper

91 100

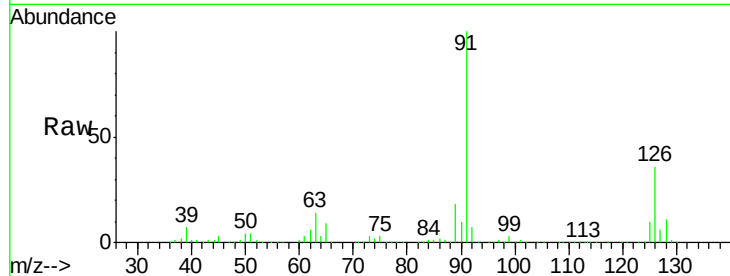
126 36.9 18.4 55.4

Manual Integrations

APPROVED

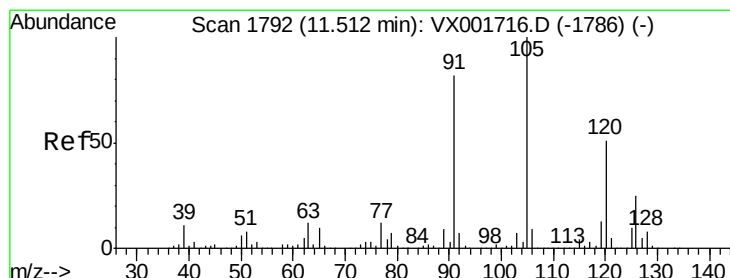
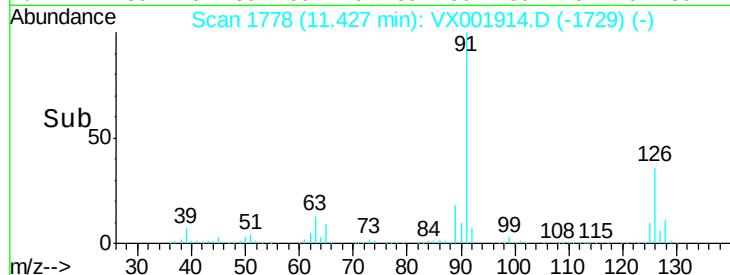
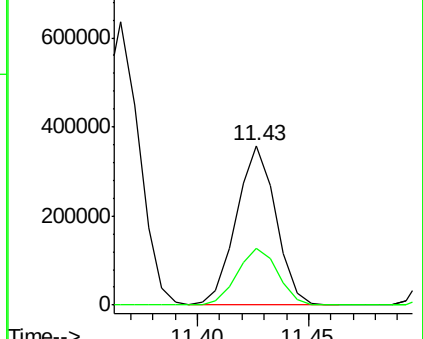
MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001716.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001914.D

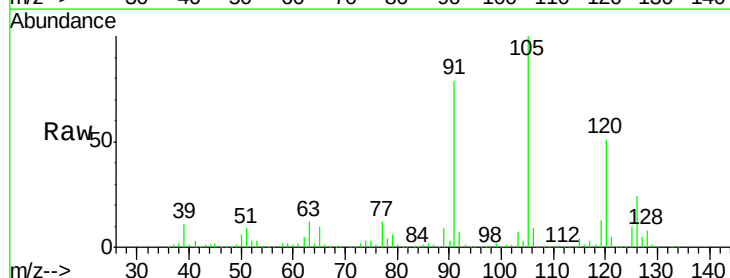
Acq: 23 May 2018 00:58

Tgt Ion: 105 Resp: 555519

Ion Ratio Lower Upper

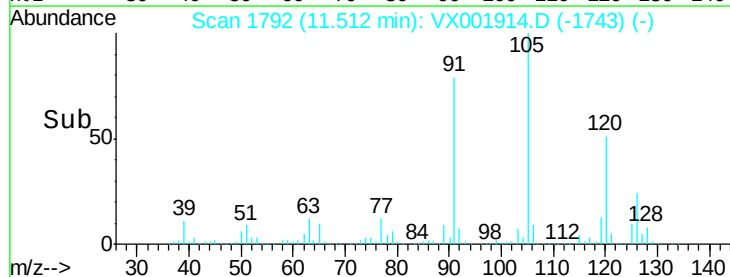
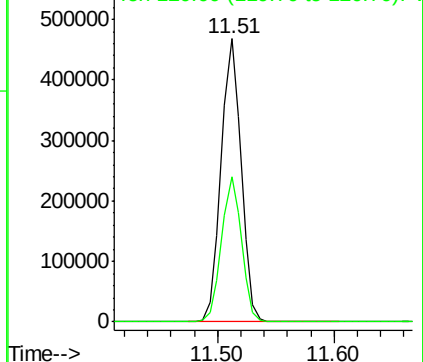
105 100

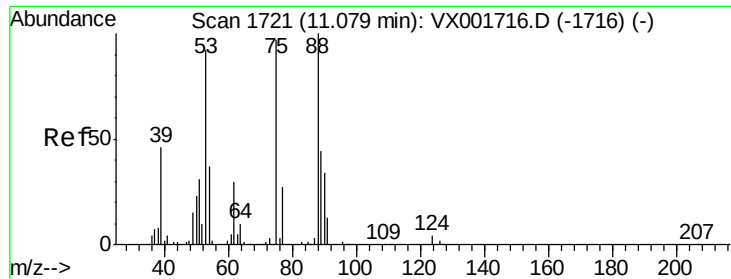
120 51.3 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001716.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001716.D (-1786) (-)





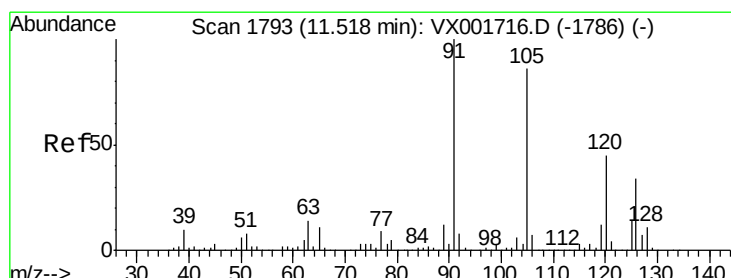
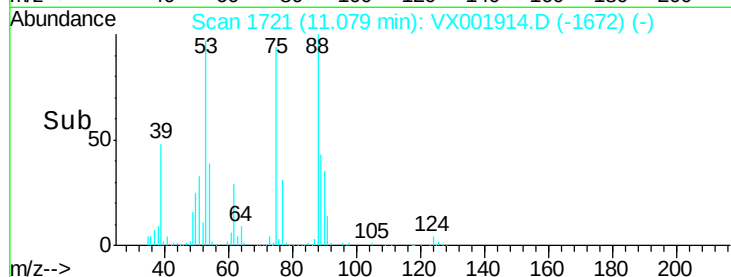
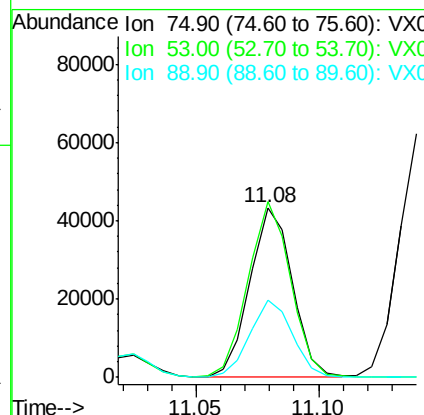
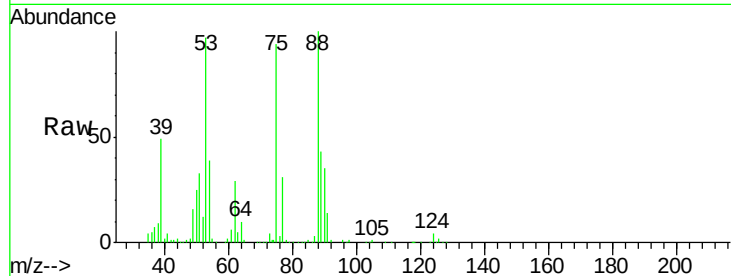
#81
trans-1,4-Dichloro-2-butene
Concen: 45.74 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	79.4	119.2
89	45.6	38.8	58.2

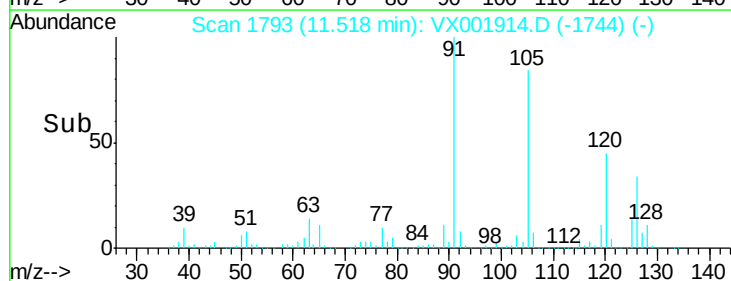
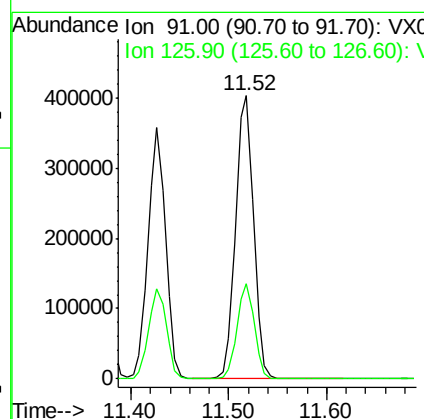
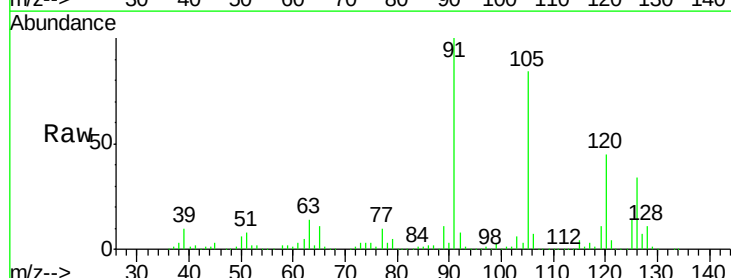
Manual Integrations
APPROVED

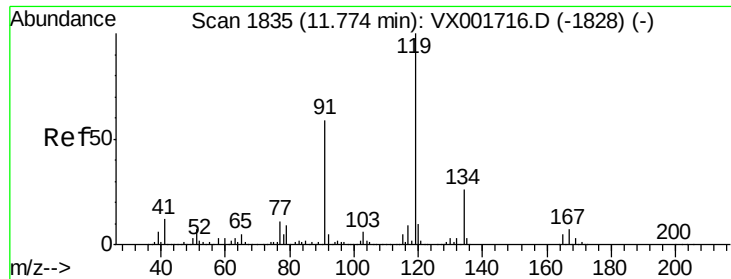
MMDadoda
5/24/2018 11:47:47 AM



#82
4-Chlorotoluene
Concen: 54.32 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 55.28 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

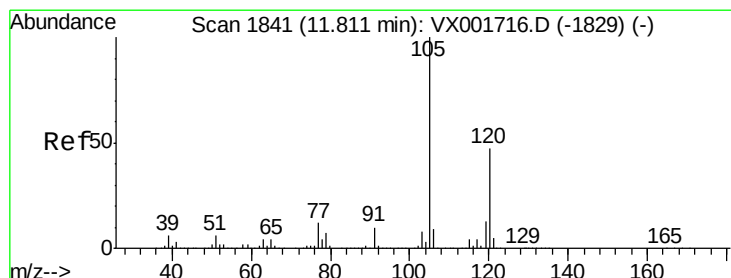
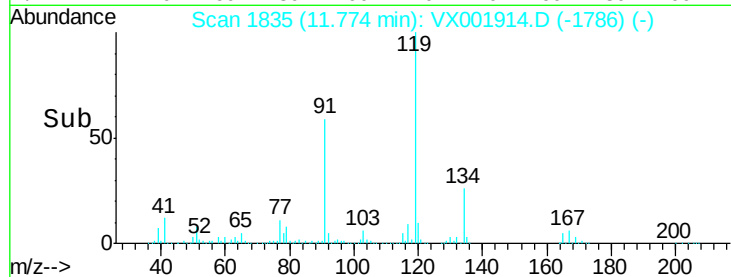
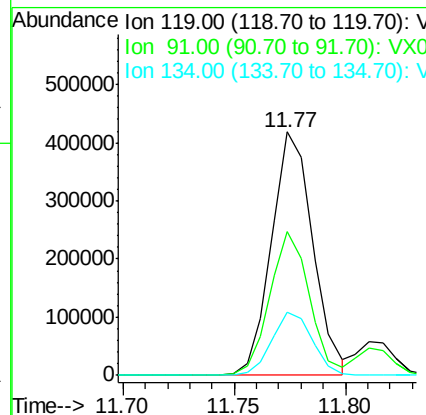
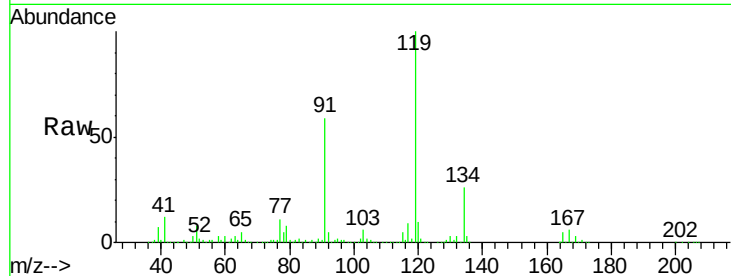
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	539816
Ion Ratio	Lower	Upper	
119	100		
91	56.5	27.7	83.0
134	25.5	12.7	38.1

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#84

1,2,4-Trimethylbenzene

Concen: 56.71 ug/l

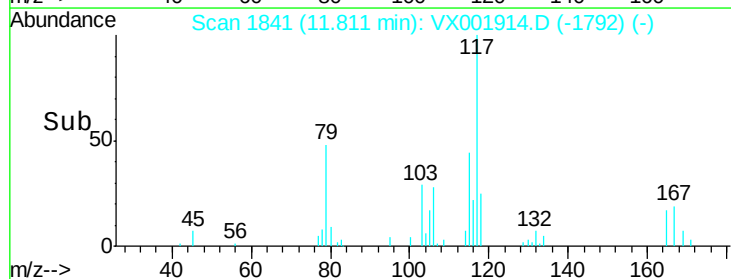
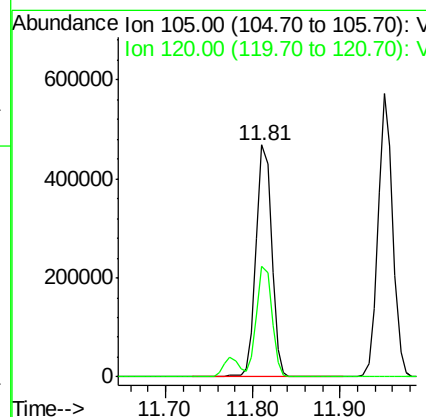
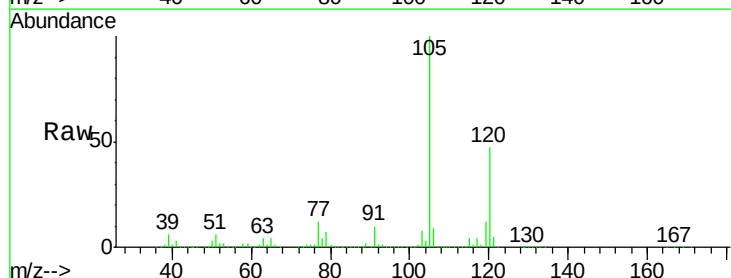
RT: 11.81 min Scan# 1841

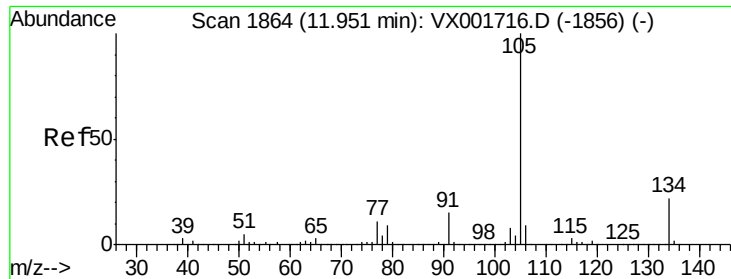
Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	105	Resp:	576333
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.5	70.5





#85

sec-Butylbenzene

Concen: 56.10 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 676352

Ion Ratio Lower Upper

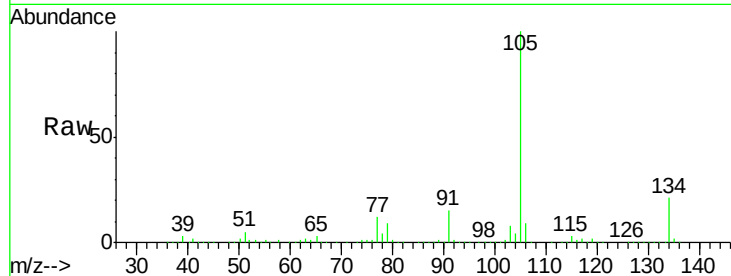
105 100

134 21.8 10.9 32.6

Manual Integrations
APPROVED

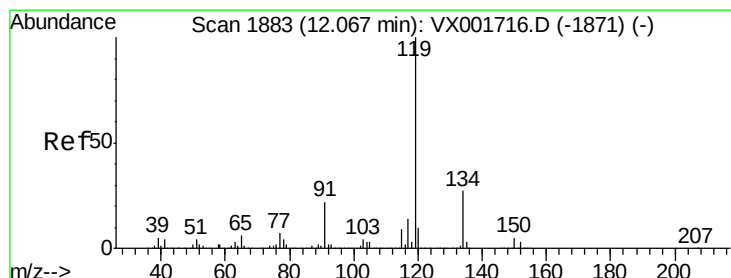
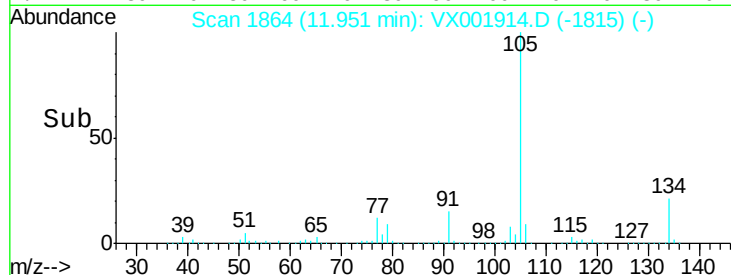
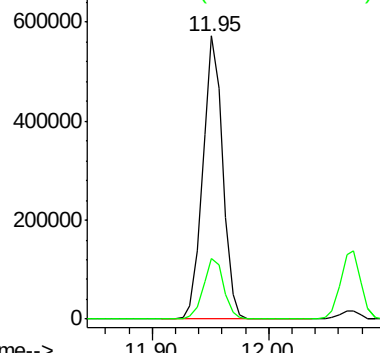
MMDadoda

5/24/2018 11:47:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.63 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

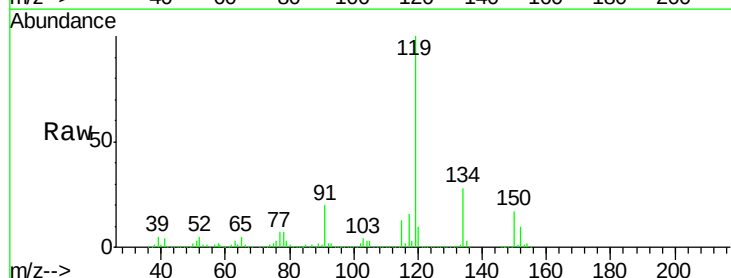
Tgt Ion:119 Resp: 620529

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

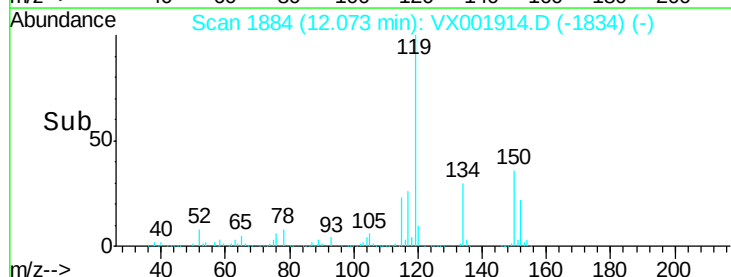
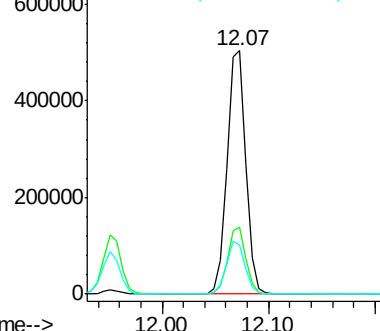
91 21.2 10.7 32.1

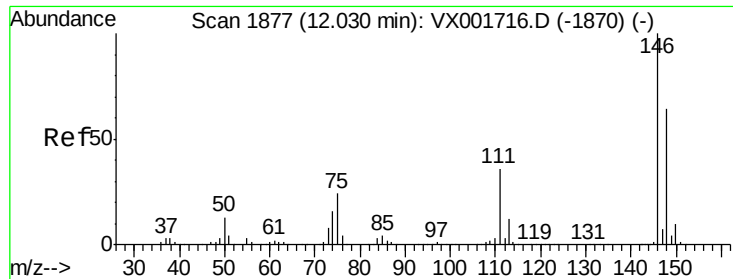


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





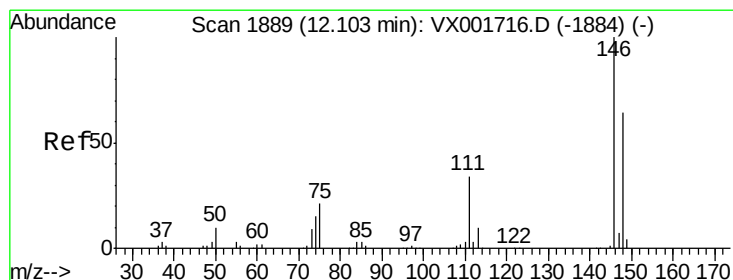
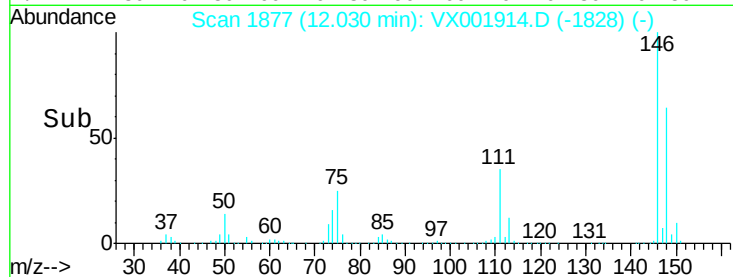
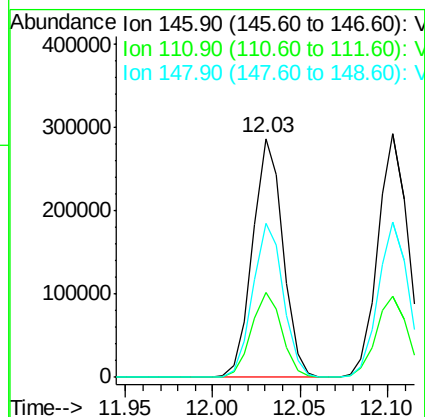
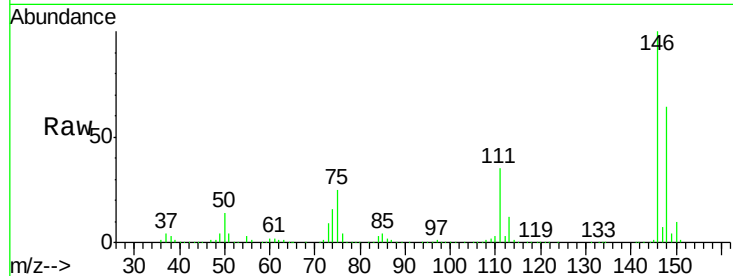
#87
 1,3-Dichlorobenzene
 Concen: 53.12 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	64.7	32.1	96.3

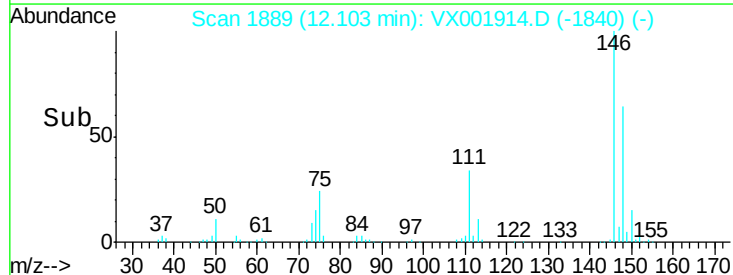
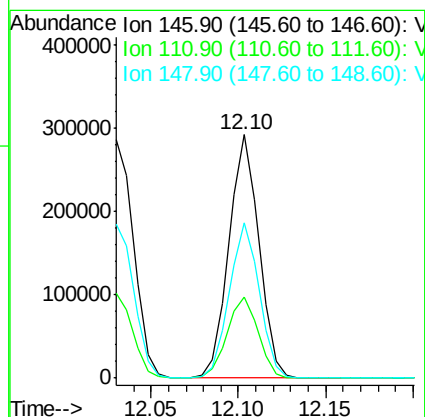
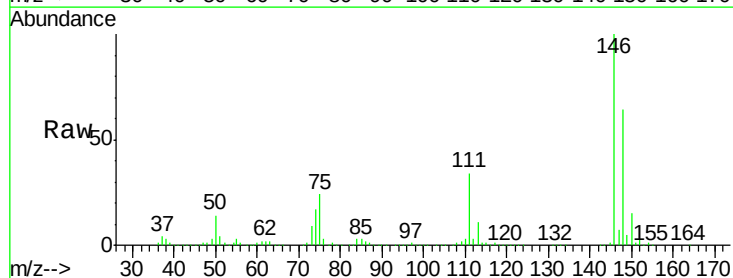
Manual Integrations
 APPROVED

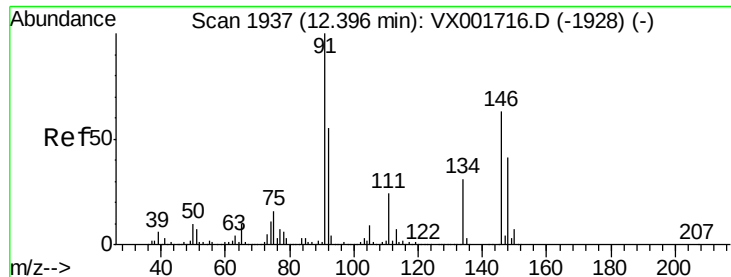
MMDadoda
 5/24/2018 11:47:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.81 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.3	52.0
148	64.2	32.3	96.9





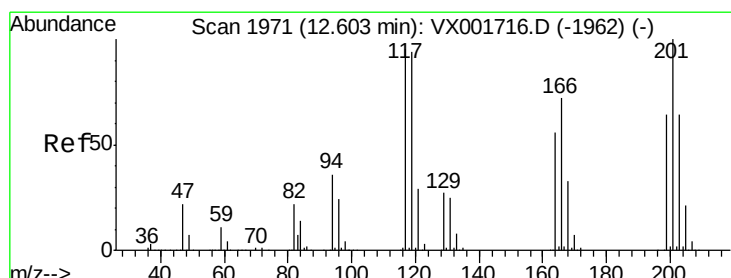
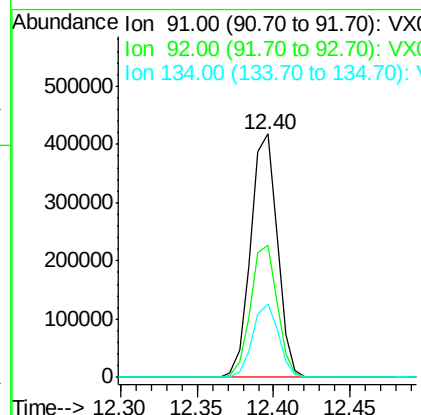
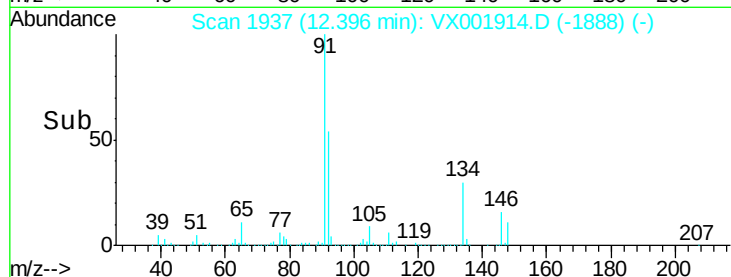
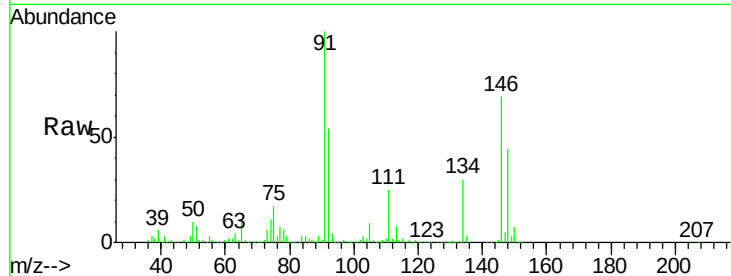
#89
n-Butylbenzene
Concen: 52.53 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.3	81.9	
134	29.3	14.7	44.1	

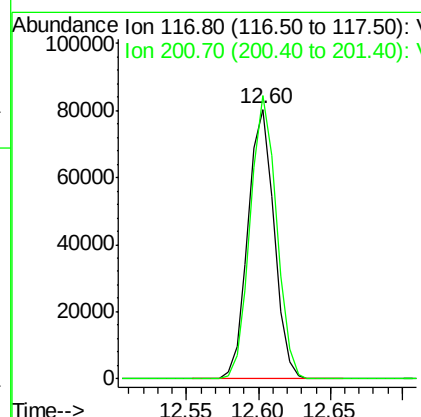
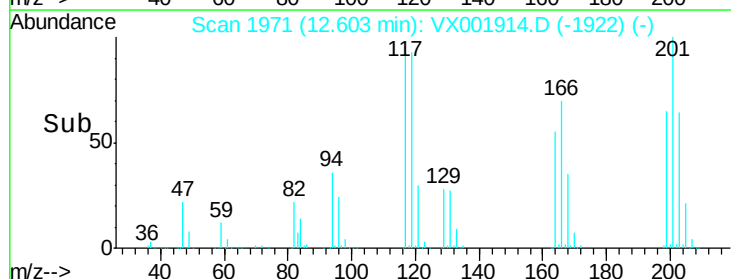
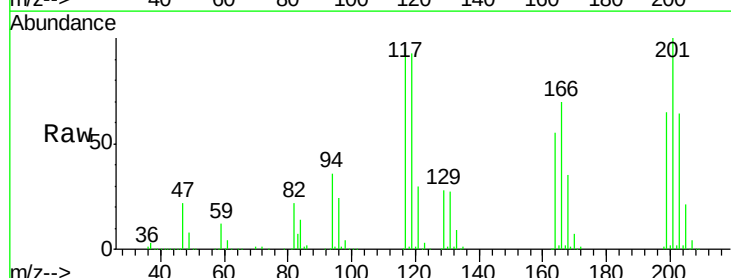
Manual Integrations
APPROVED

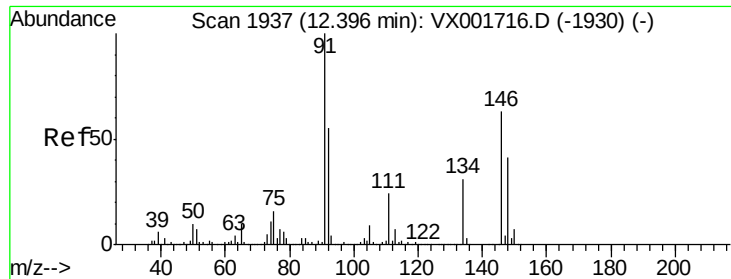
MMDadoda
5/24/2018 11:47:47 AM



#90
Hexachloroethane
Concen: 58.24 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001914.D
Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	105.1	51.9	155.7	





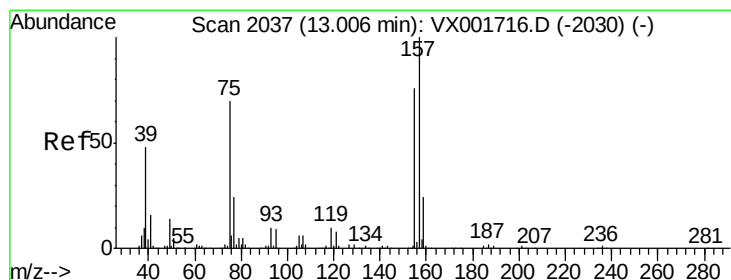
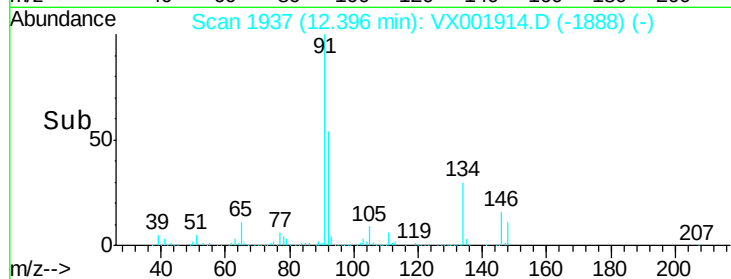
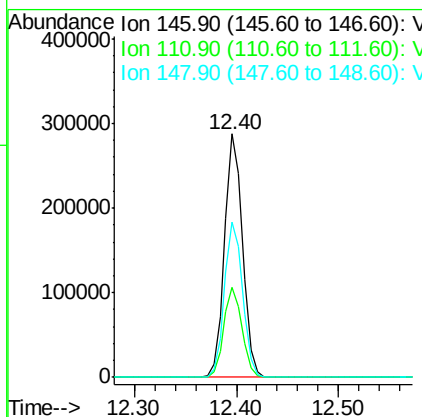
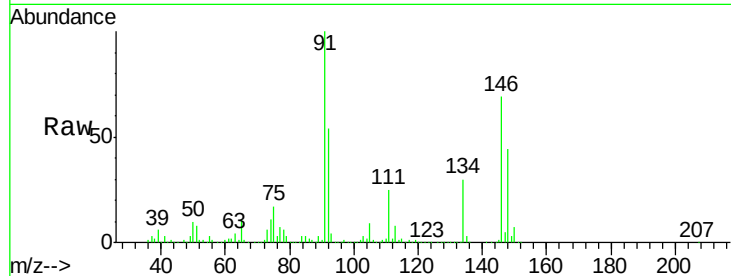
#91
 1,2-Dichlorobenzene
 Concen: 54.46 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	64.6	32.4	97.0

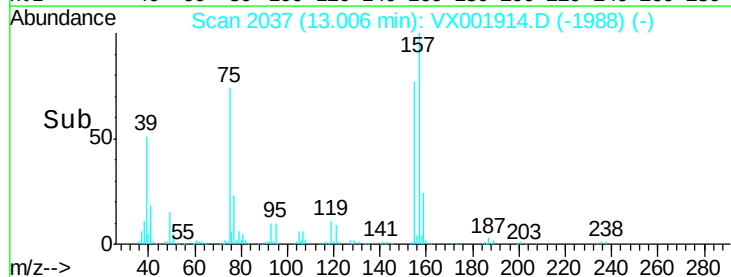
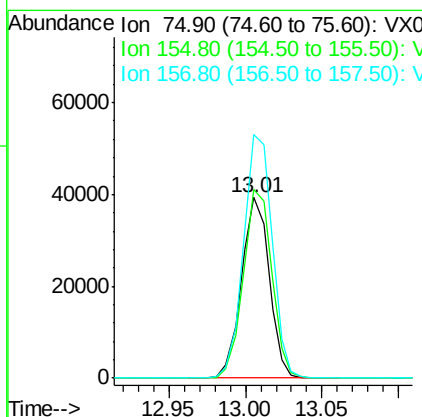
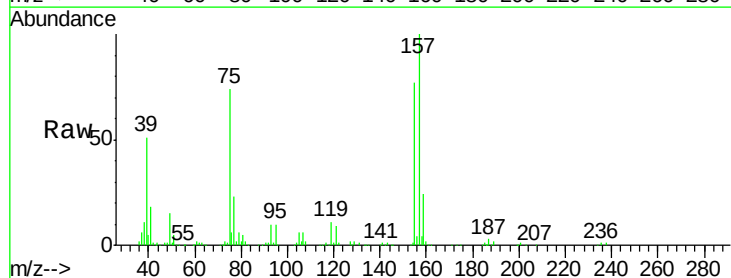
Manual Integrations
 APPROVED

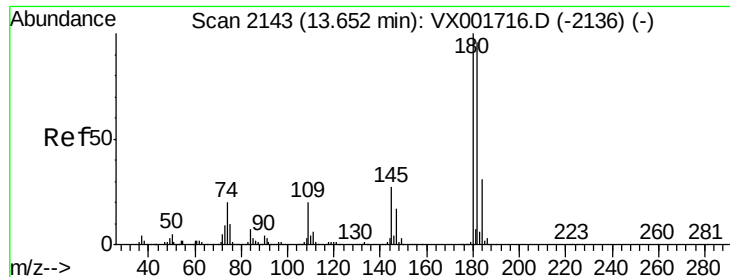
MMDadoda
 5/24/2018 11:47:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.63 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	53.9	161.8
157	139.2	71.0	213.2





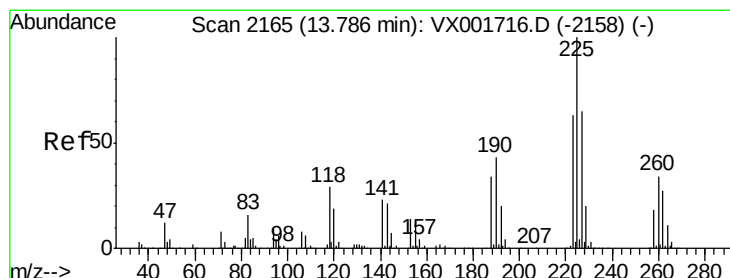
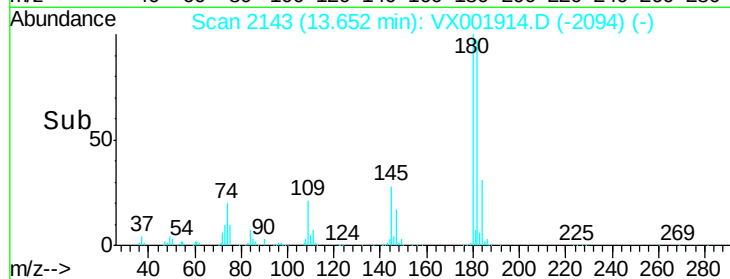
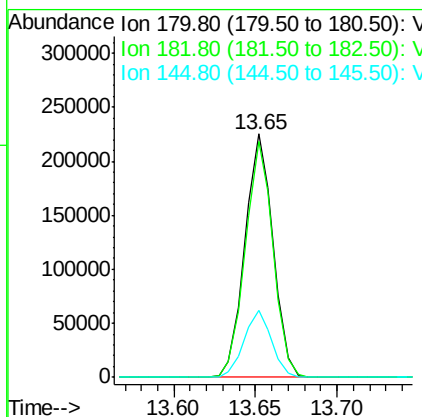
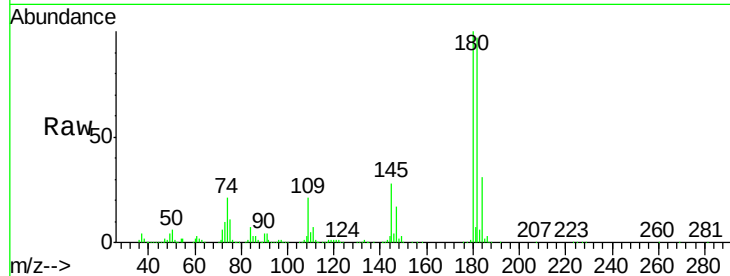
#93
 1,2,4-Trichlorobenzene
 Concen: 52.47 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270873		
182	95.9	47.6	142.9	
145	26.9	13.4	40.1	

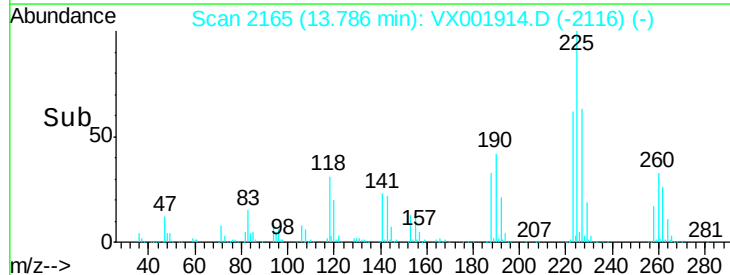
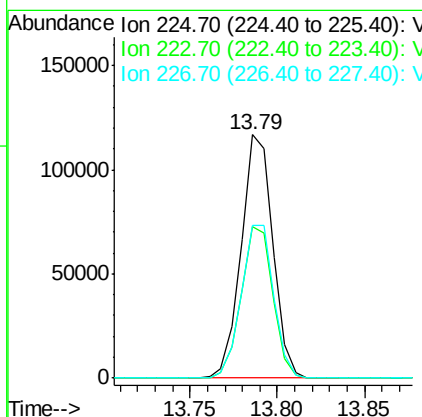
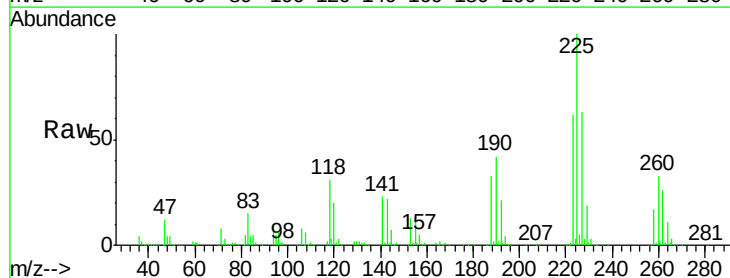
Manual Integrations
 APPROVED

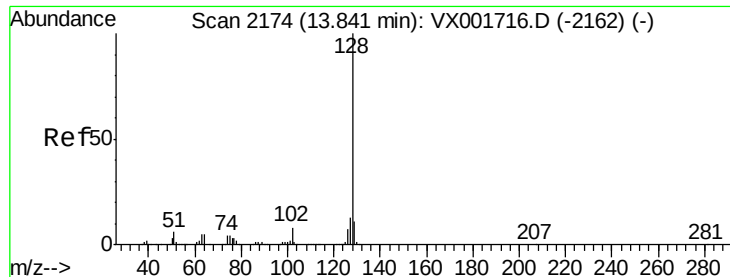
MMDadoda
 5/24/2018 11:47:47 AM



#94
 Hexachlorobutadiene
 Concen: 52.93 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001914.D
 Acq: 23 May 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146697		
223	62.3	31.1	93.5	
227	64.2	31.9	95.5	





#95

Naphthalene

Concen: 59.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Instrument :

MSVOA_X

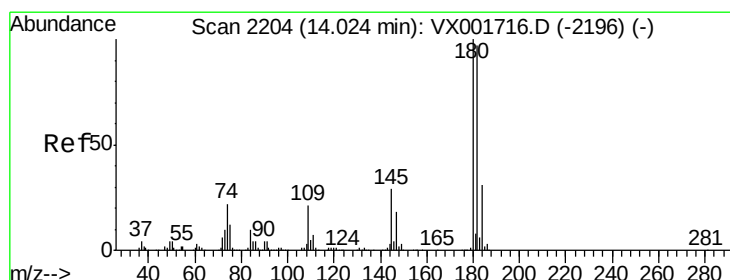
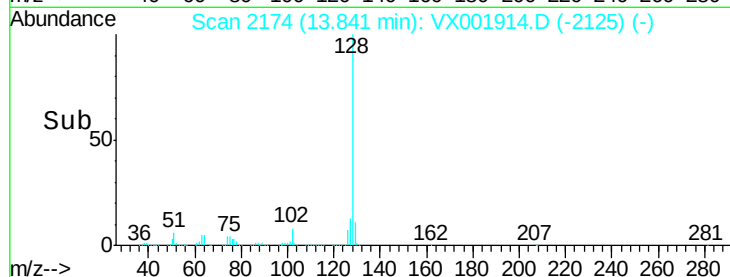
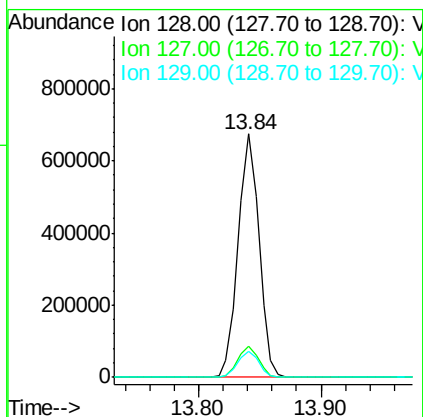
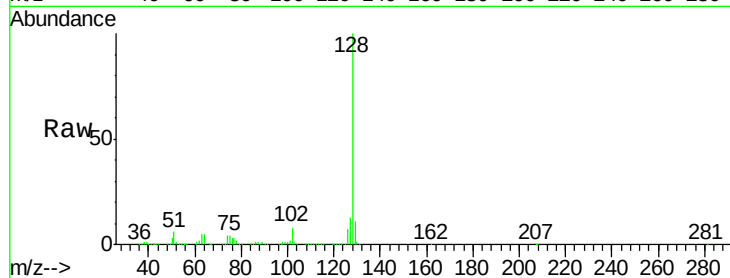
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	793060
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.54 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001914.D

Acq: 23 May 2018 00:58

Tgt Ion:	180	Resp:	283564
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.7
145	28.5	14.2	42.8

