

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002178.D
 Acq On : 31 May 2018 15:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:08 PM

Quant Time: May 31 17:09:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174412	40.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.20%	
35) Dibromofluoromethane	5.51	113	135956	40.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.84%	
50) Toluene-d8	8.72	98	507868	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	
62) 4-Bromofluorobenzene	11.14	95	201630	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	122282	40.259	ug/l	98
3) Chloromethane	1.32	50	155931	42.168	ug/l	99
4) Vinyl Chloride	1.41	62	168565	47.211	ug/l	100
5) Bromomethane	1.64	94	85062	51.792	ug/l	99
6) Chloroethane	1.72	64	108190	51.401	ug/l	99
7) Trichlorofluoromethane	1.93	101	276752	51.614	ug/l	99
8) Diethyl Ether	2.19	74	105062	54.003	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	154015	51.475	ug/l	97
10) Methyl Iodide	2.51	142	174733	43.161	ug/l	98
11) Tert butyl alcohol	3.08	59	221417	262.566	ug/l	98
12) 1,1-Dichloroethene	2.37	96	141175	50.396	ug/l	95
13) Acrolein	2.30	56	69879	191.657	ug/l	98
14) Allyl chloride	2.73	41	304659	51.811	ug/l	98
15) Acrylonitrile	3.15	53	464031	267.592	ug/l	99
16) Acetone	2.45	43	450493	271.713	ug/l	100
17) Carbon Disulfide	2.57	76	353354	43.828	ug/l	100
18) Methyl Acetate	2.78	43	233251	58.595	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	556472	52.816	ug/l	99
20) Methylene Chloride	2.86	84	163792	57.300	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	150664	55.415	ug/l	99
22) Diisopropyl ether	3.88	45	553654	46.289	ug/l	100
23) Vinyl Acetate	3.83	43	2416010	243.627	ug/l	99
24) 1,1-Dichloroethane	3.70	63	274684	48.346	ug/l	99
25) 2-Butanone	4.71	43	662000	217.852	ug/l	100
26) 2,2-Dichloropropane	4.59	77	231036	40.174	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	163576	44.780	ug/l	97
28) Bromochloromethane	5.03	49	143900	60.712	ug/l	99
29) Tetrahydrofuran	5.17	42	430061	217.525	ug/l	99
30) Chloroform	5.22	83	287580	44.926	ug/l	100
31) Cyclohexane	5.58	56	254091	42.924	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	258134	43.256	ug/l	99
36) 1,1-Dichloropropene	5.81	75	210285	44.950	ug/l	99
37) Ethyl Acetate	4.87	43	258227	42.339	ug/l	99
38) Carbon Tetrachloride	5.79	117	226616	41.540	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002178.D
 Acq On : 31 May 2018 15:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:08 PM

Quant Time: May 31 17:09:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	257094	44.732	ug/l	98
40) Benzene	6.15	78	634520	46.296	ug/l	100
41) Methacrylonitrile	5.07	41	146115	45.270	ug/l	99
42) 1,2-Dichloroethane	6.20	62	246458	45.018	ug/l	100
43) Isopropyl Acetate	6.47	43	441394	43.434	ug/l	99
44) Trichloroethene	7.22	130	182093	45.592	ug/l	99
45) 1,2-Dichloropropane	7.52	63	172669	46.390	ug/l	99
46) Dibromomethane	7.67	93	110921	45.011	ug/l	98
47) Bromodichloromethane	7.90	83	215021	40.922	ug/l	100
48) Methyl methacrylate	7.78	41	223848	43.279	ug/l	97
49) 1,4-Dioxane	7.76	88	81895	898.527	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1411504	230.412	ug/l	100
52) Toluene	8.79	92	415078	47.588	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	263779	43.587	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	248888	42.205	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	166988	45.828	ug/l	99
56) Ethyl methacrylate	9.19	69	272406	43.464	ug/l	98
57) 1,3-Dichloropropane	9.38	76	278325	46.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	611962	220.298	ug/l	99
59) 2-Hexanone	9.50	43	1080426	228.731	ug/l	100
60) Dibromochloromethane	9.59	129	177424	41.109	ug/l	99
61) 1,2-Dibromoethane	9.68	107	178165	46.599	ug/l	100
64) Tetrachloroethene	9.34	164	209195	46.538	ug/l	98
65) Chlorobenzene	10.15	112	466933	47.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	174998	43.629	ug/l	100
67) Ethyl Benzene	10.26	91	814183	47.177	ug/l	100
68) m/p-Xylenes	10.37	106	630538	95.577	ug/l	99
69) o-Xylene	10.70	106	309914	47.048	ug/l	99
70) Styrene	10.72	104	515178	47.159	ug/l	100
71) Bromoform	10.86	173	142287	37.411	ug/l #	100
73) Isopropylbenzene	11.02	105	841839	46.236	ug/l	100
74) N-amyl acetate	6.47	43	441394	46.511	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	246327	49.452	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	221608m	42.910	ug/l	
77) Bromobenzene	11.26	156	222344	46.027	ug/l	97
78) n-propylbenzene	11.37	91	948750	46.525	ug/l	100
79) 2-Chlorotoluene	11.43	91	569380	50.942	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	712358	45.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	76775	35.729	ug/l	91
82) 4-Chlorotoluene	11.52	91	673029	46.794	ug/l	100
83) tert-Butylbenzene	11.77	119	692317	45.341	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	734884	45.703	ug/l	100
85) sec-Butylbenzene	11.95	105	856391	46.658	ug/l	99
86) p-Isopropyltoluene	12.07	119	767766	46.745	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	402948	46.577	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	405663	46.902	ug/l	100
89) n-Butylbenzene	12.39	91	662805	47.625	ug/l	100
90) Hexachloroethane	12.60	117	119830	36.987	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	413303	46.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	60011	37.071	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
Data File : VX002178.D
Acq On : 31 May 2018 15:25
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

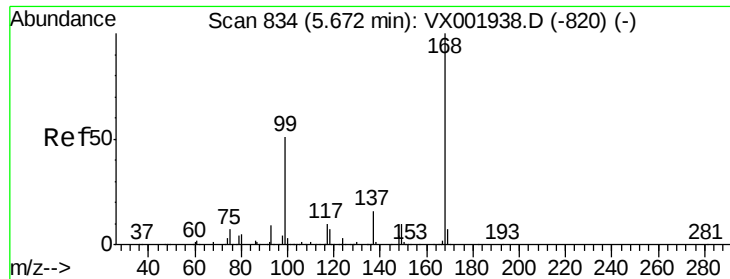
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM

Quant Time: May 31 17:09:34 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	294706	46.756	ug/l	99
94) Hexachlorobutadiene	13.79	225	156793	46.244	ug/l	100
95) Naphthalene	13.84	128	887099	45.682	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	302825	46.432	ug/l	100

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



#1

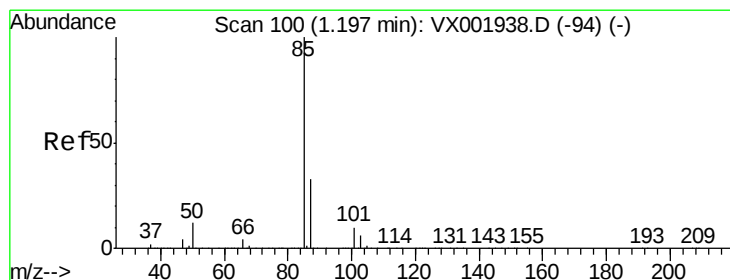
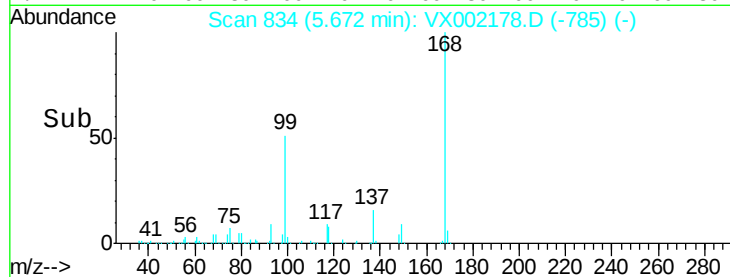
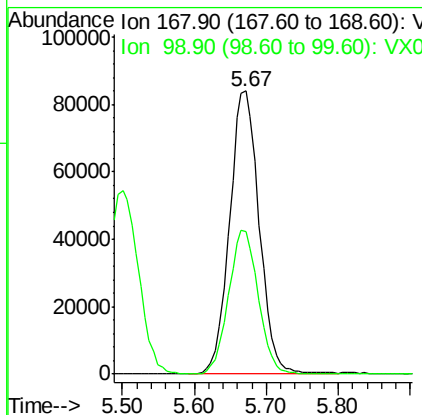
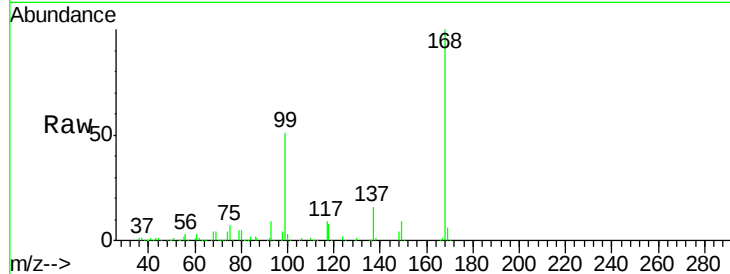
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	240337		
99	50.3	41.0	61.4	

Manual Integrations
 APPROVED

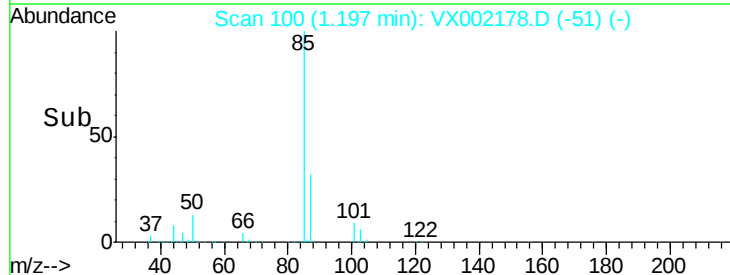
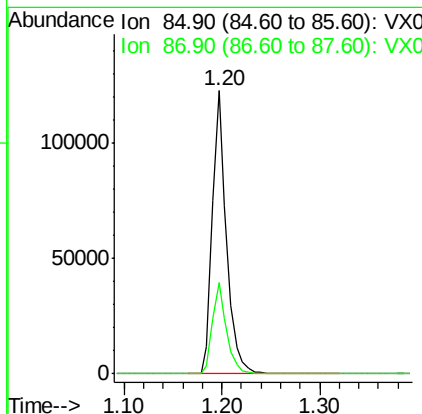
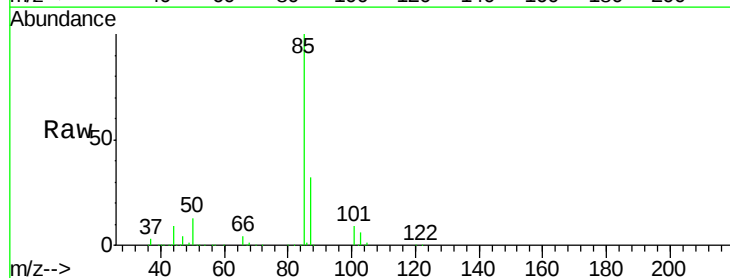
MMDadoda
 6/1/2018 6:37:08 PM



#2

Dichlorodifluoromethane
 Concen: 40.259 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	122282		
87	32.4	16.7	50.0	





#3

Chloromethane

Concen: 42.168 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155931

Ion Ratio Lower Upper

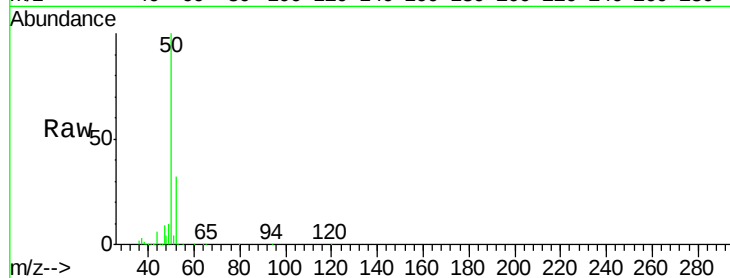
50 100

52 31.9 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

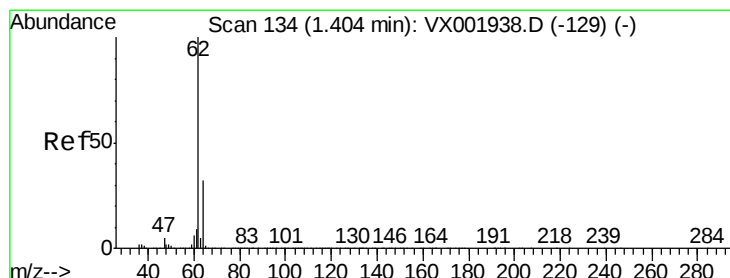
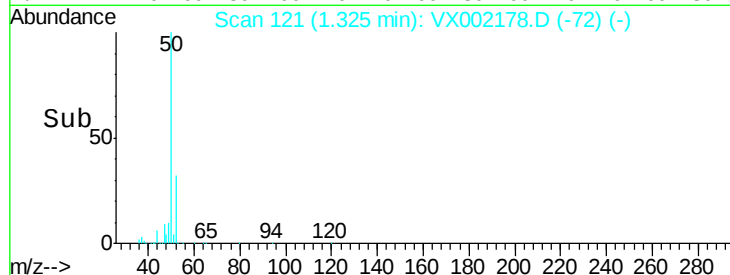
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.211 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002178.D

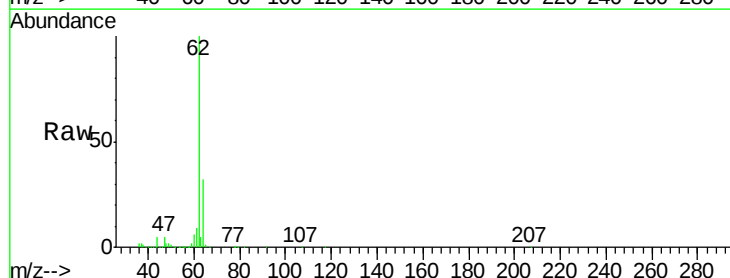
Acq: 31 May 2018 15:25

Tgt Ion: 62 Resp: 168565

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

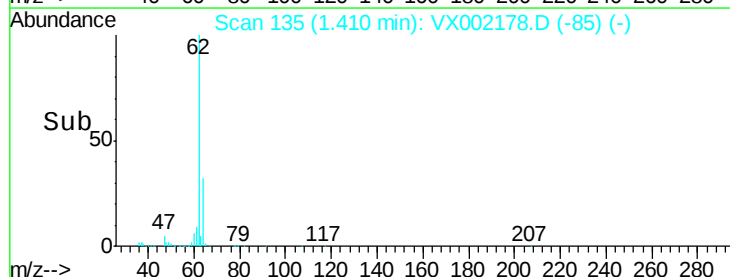
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.792 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 85062

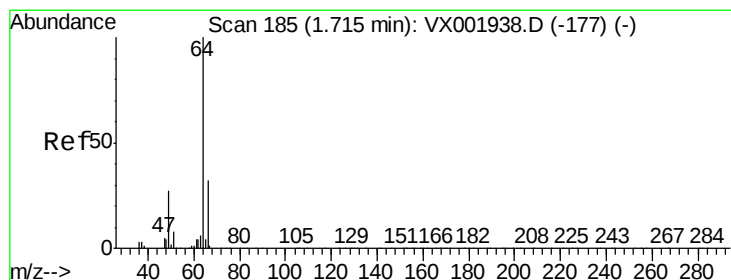
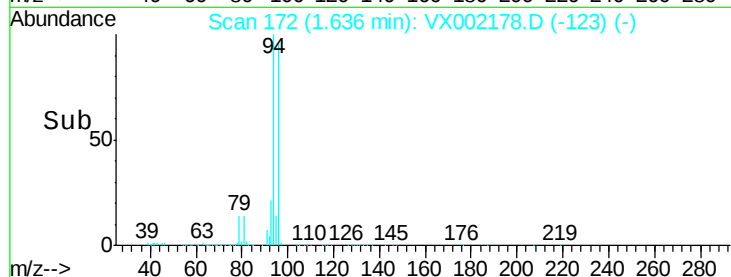
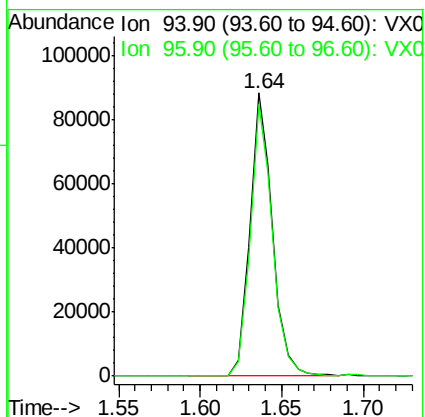
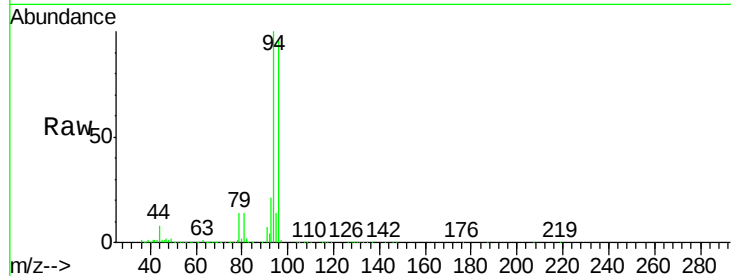
Ion Ratio Lower Upper

94 100

96 96.1 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#6

Chloroethane

Concen: 51.401 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002178.D

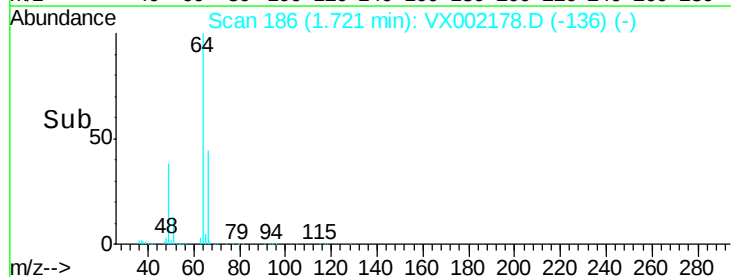
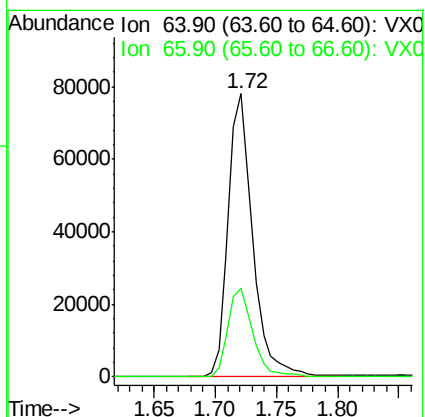
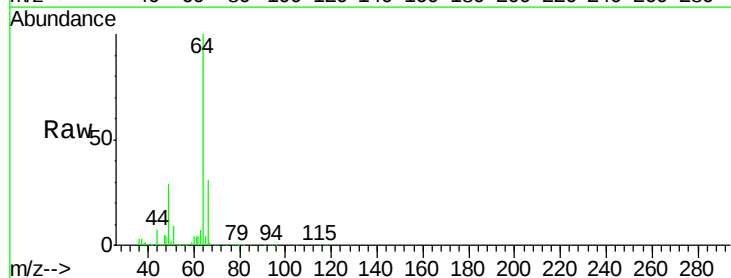
Acq: 31 May 2018 15:25

Tgt Ion: 64 Resp: 108190

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

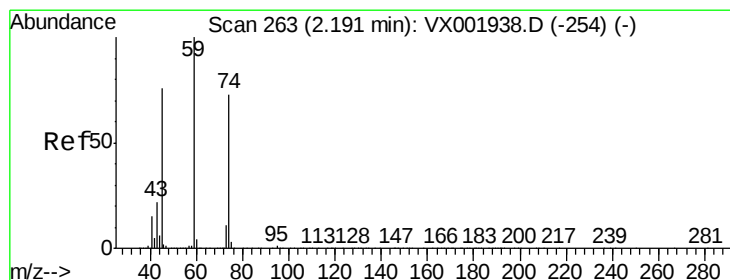
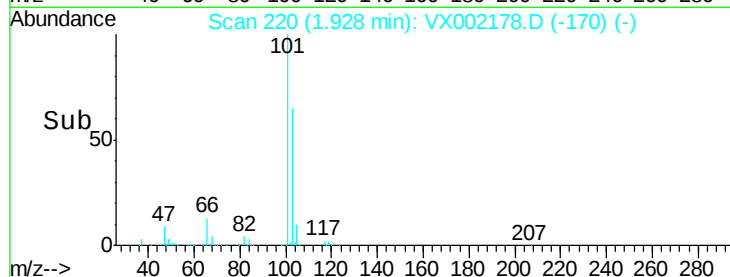
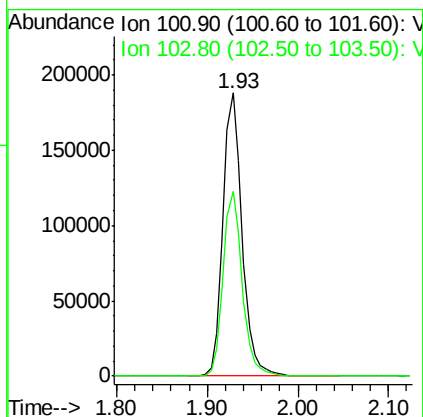
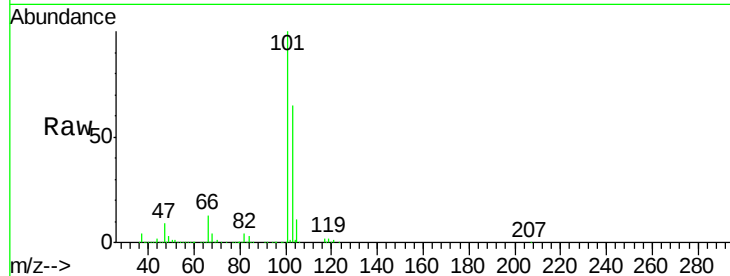
Trichlorofluoromethane
Concen: 51.614 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.0

Manual Integrations
APPROVED

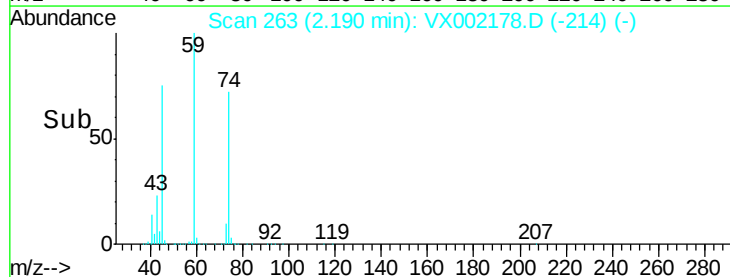
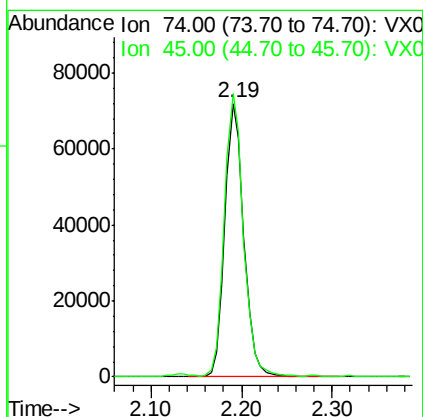
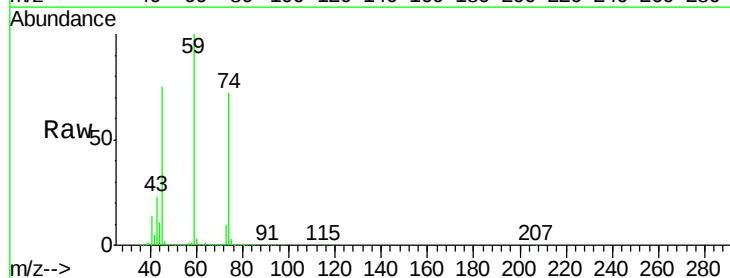
MMDadoda
6/1/2018 6:37:08 PM



#8

Diethyl Ether
Concen: 54.003 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.475 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

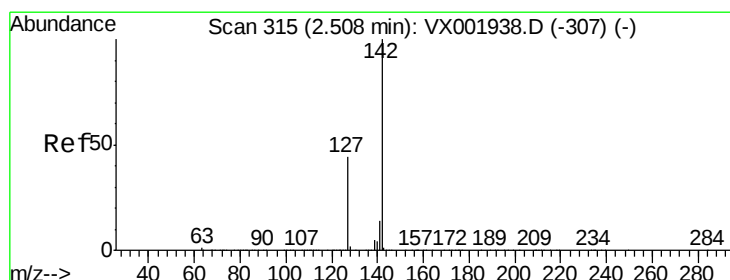
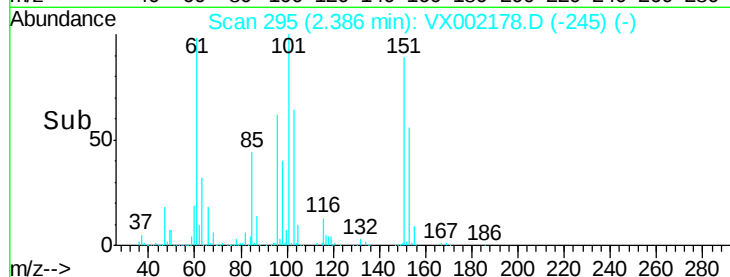
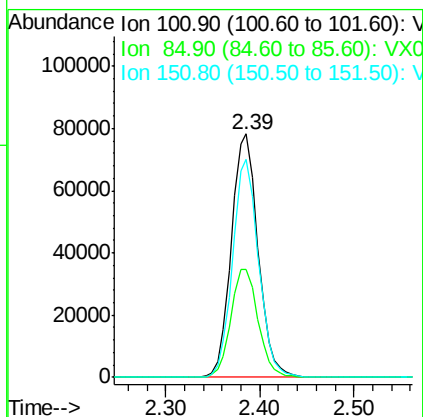
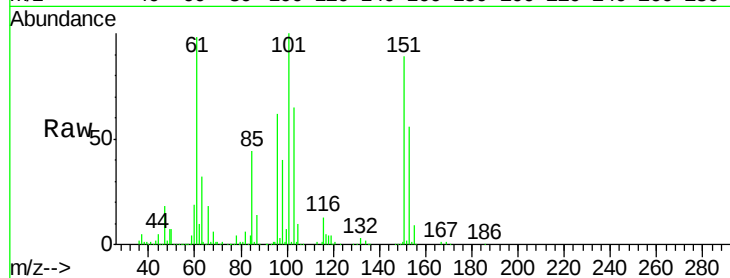
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	154015
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.6	53.4
151	87.3	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#10

Methyl Iodide

Concen: 43.161 ug/l

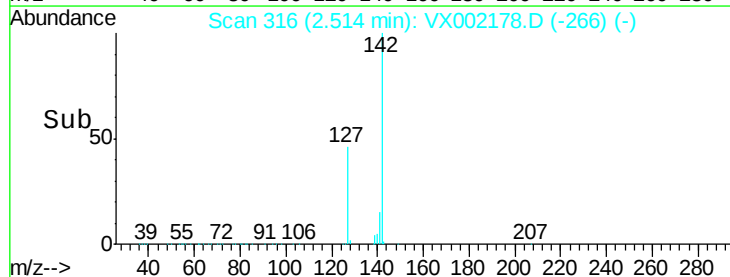
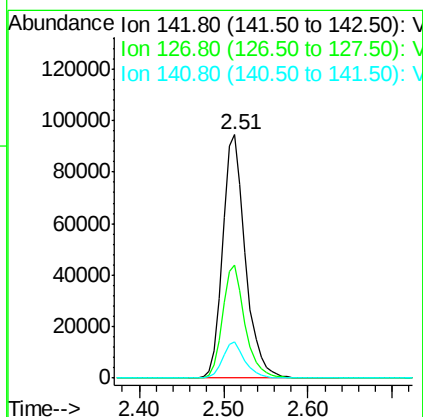
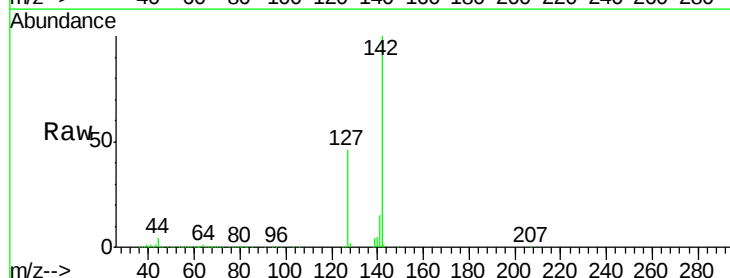
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	142	Resp:	174733
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.5	53.3
141	14.6	11.3	16.9





#11

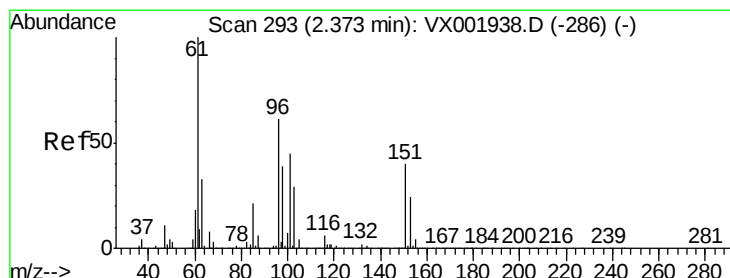
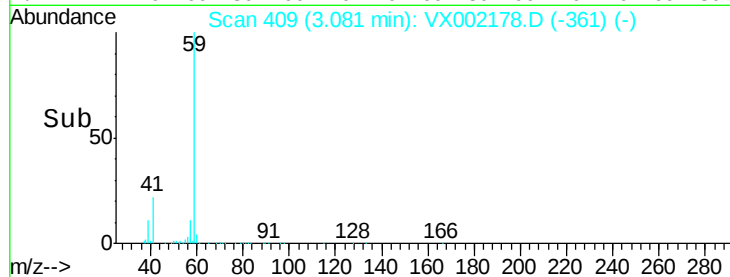
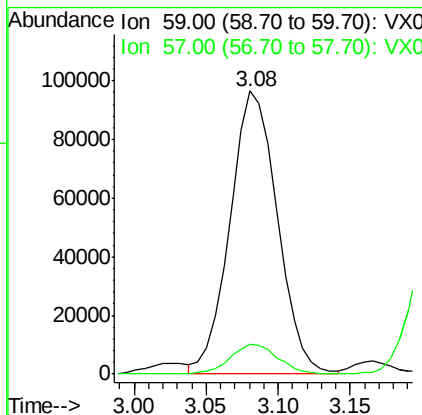
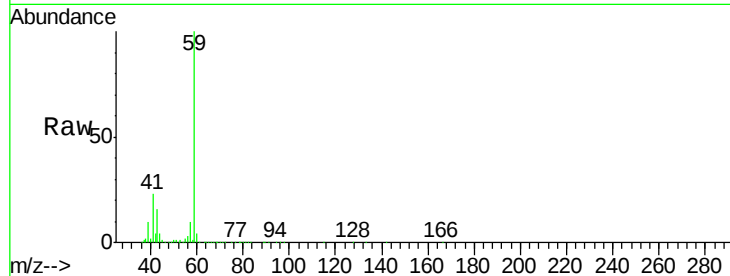
Tert butyl alcohol
 Concen: 262.566 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.9	13.3

Manual Integrations
 APPROVED

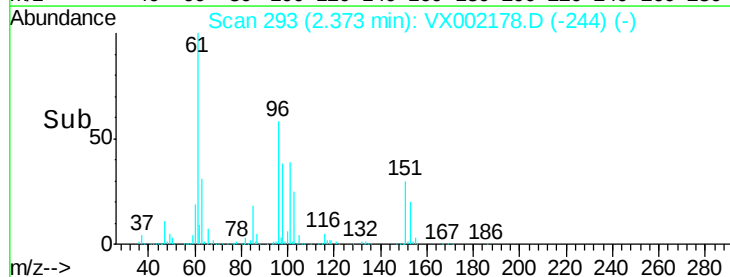
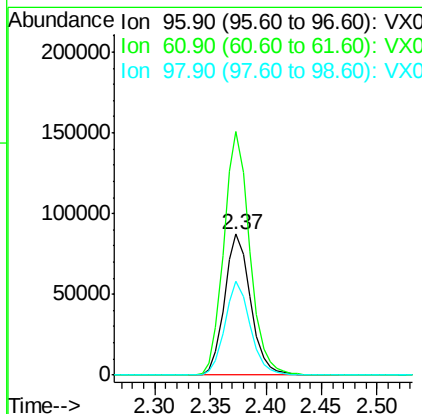
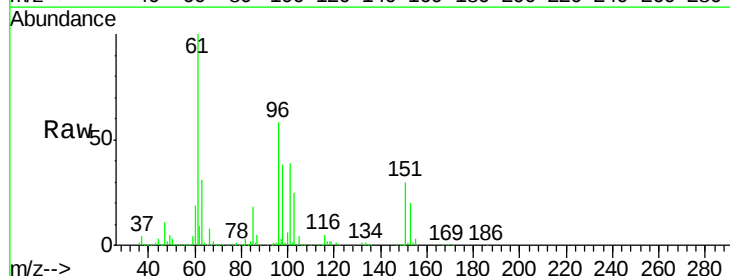
MMDadoda
 6/1/2018 6:37:08 PM



#12

1,1-Dichloroethene
 Concen: 50.396 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	131.7	197.5
98	66.3	51.6	77.4





#13

Acrolein

Concen: 191.657 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69879

Ion Ratio Lower Upper

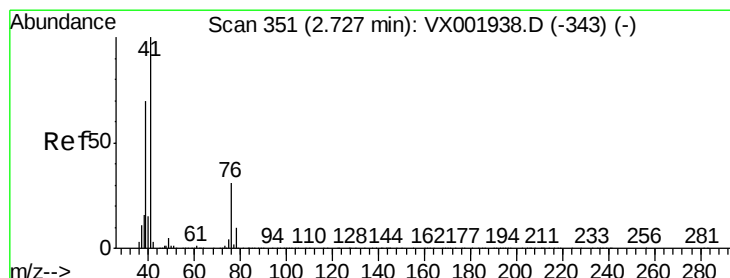
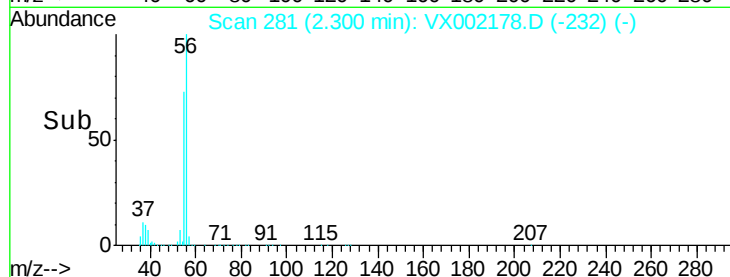
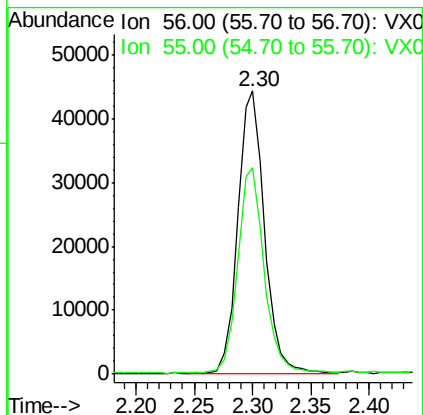
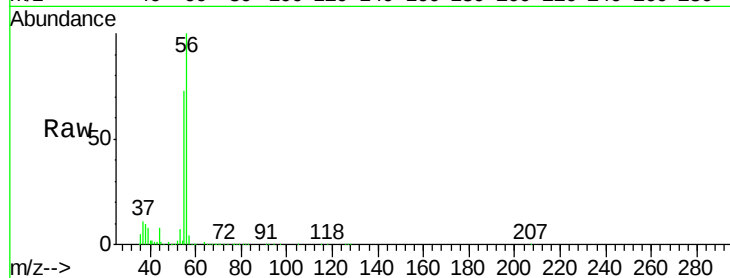
56 100

55 72.4 56.8 85.2

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#14

Allyl chloride

Concen: 51.811 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

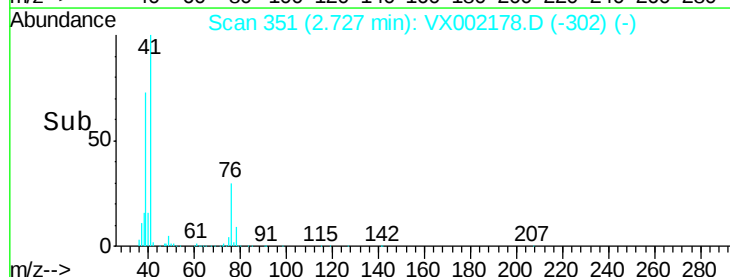
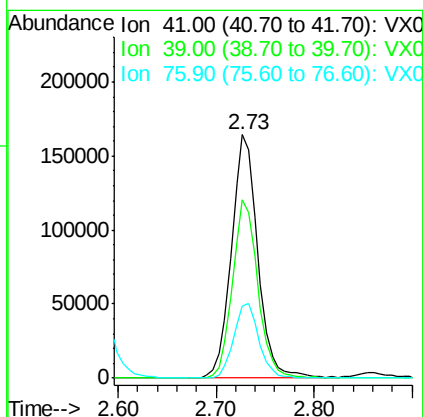
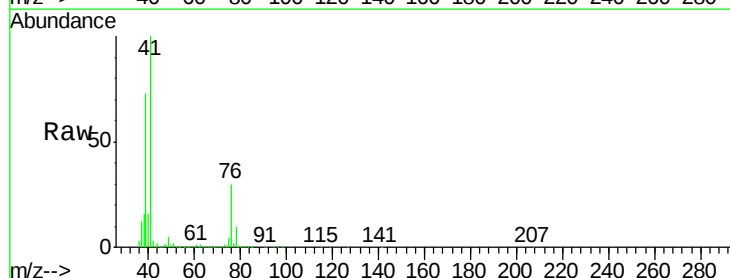
Tgt Ion: 41 Resp: 304659

Ion Ratio Lower Upper

41 100

39 70.2 54.3 81.5

76 29.5 24.2 36.4





#15

Acrylonitrile

Concen: 267.592 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

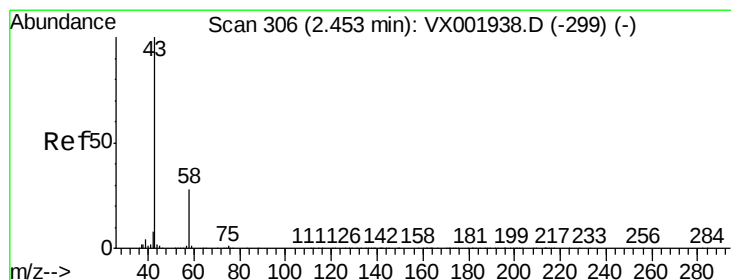
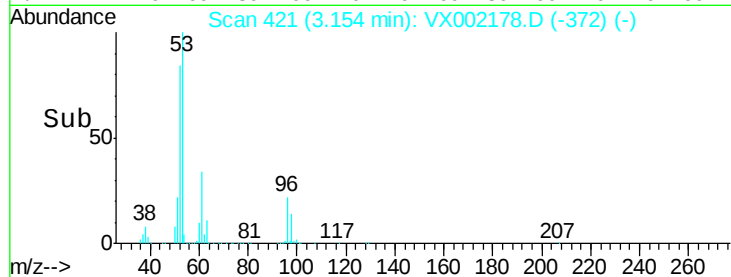
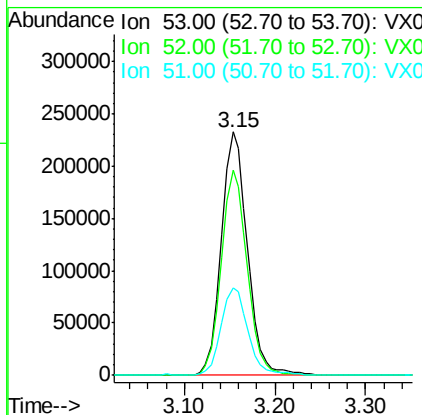
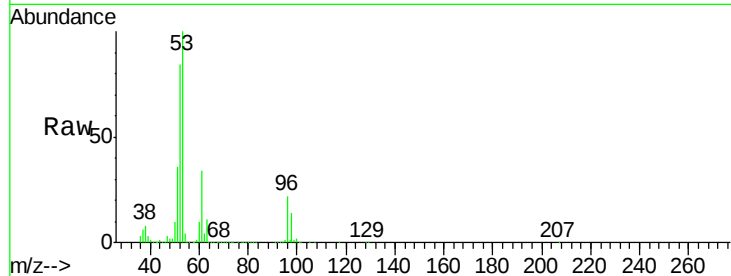
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	464031
Ion Ratio		Lower	Upper
53	100		
52	84.0	66.4	99.6
51	37.5	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#16

Acetone

Concen: 271.713 ug/l

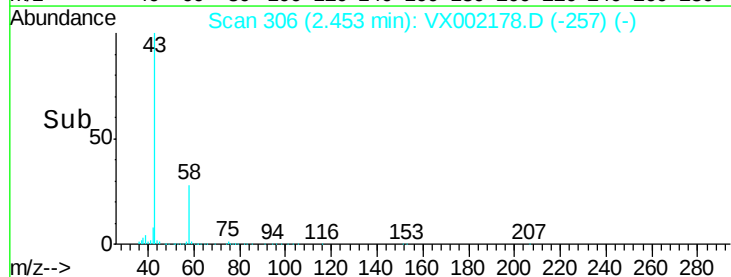
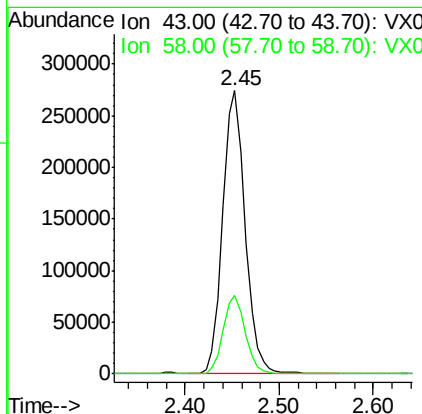
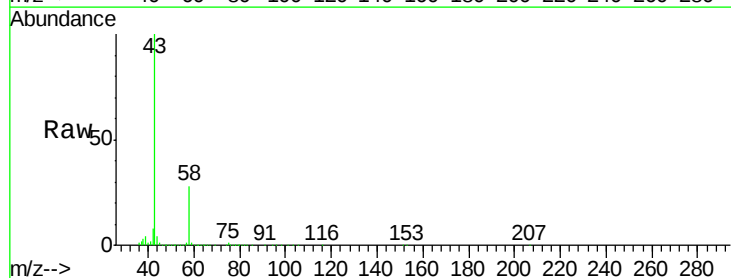
RT: 2.45 min Scan# 306

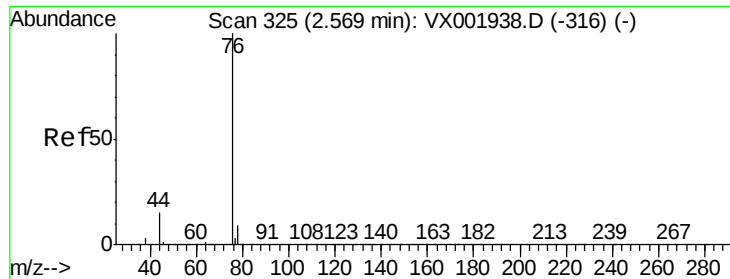
Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	43	Resp:	450493
Ion Ratio		Lower	Upper
43	100		
58	27.7	22.3	33.5





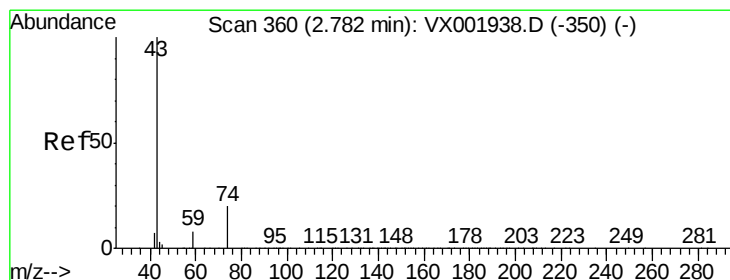
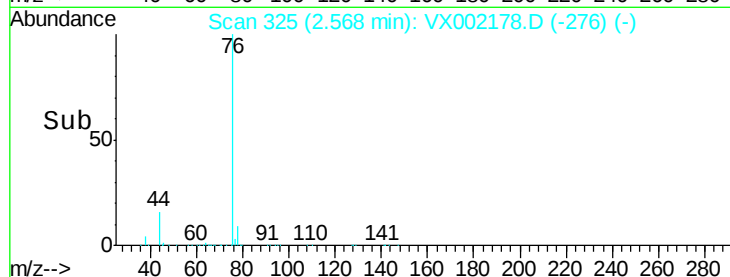
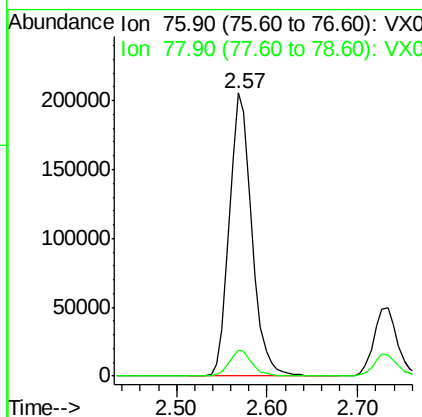
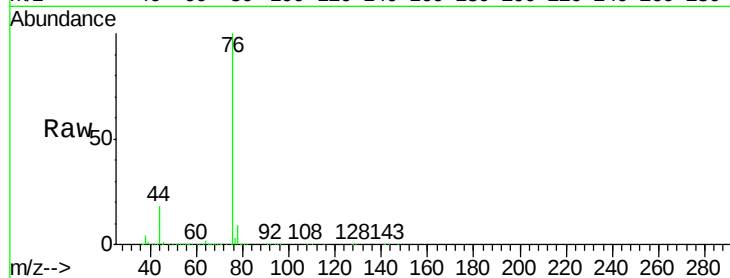
#17
Carbon Disulfide
Concen: 43.828 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

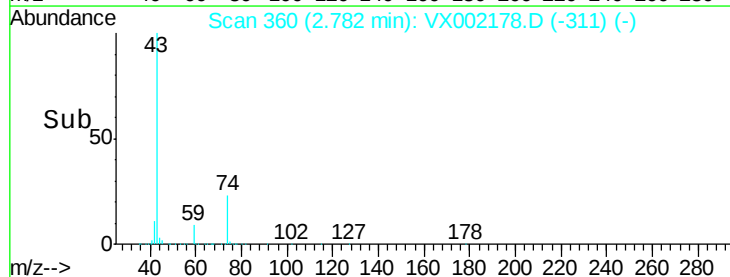
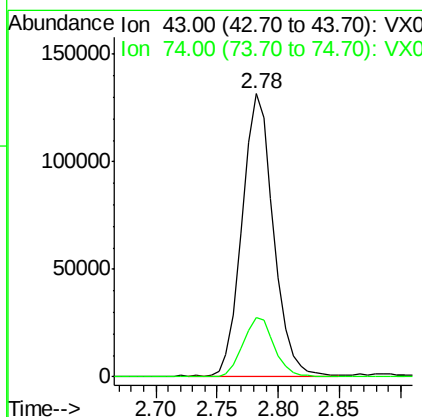
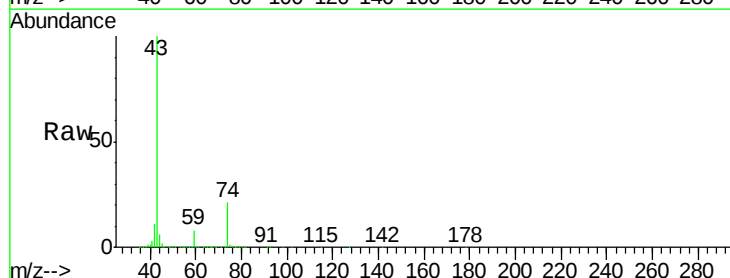
Manual Integrations
APPROVED

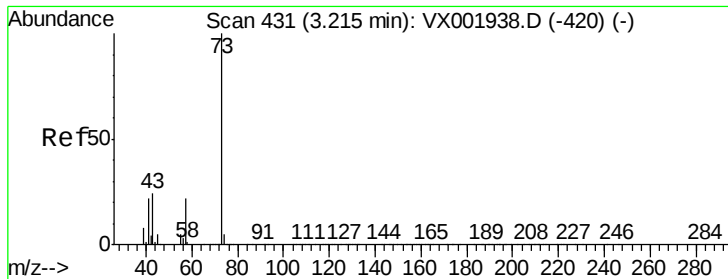
MMDadoda
6/1/2018 6:37:08 PM



#18
Methyl Acetate
Concen: 58.595 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





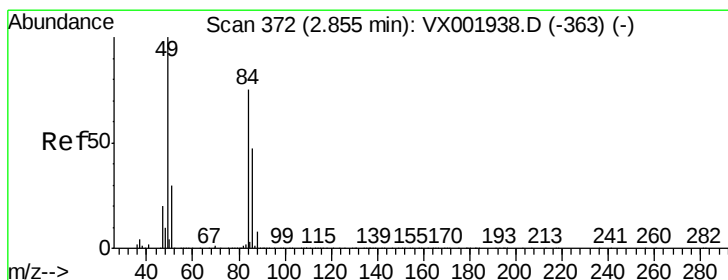
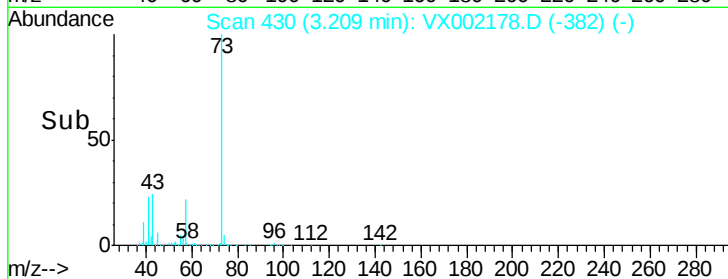
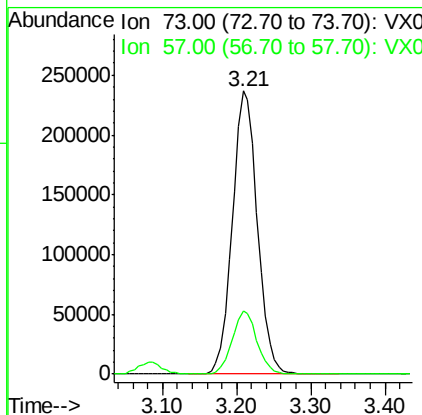
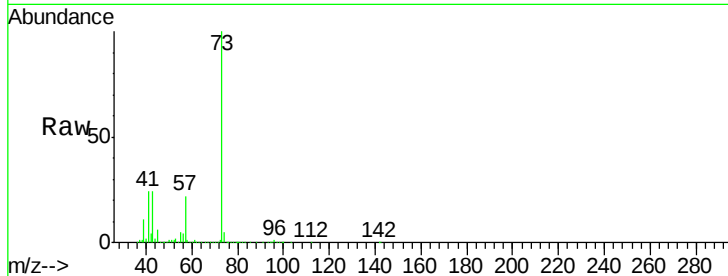
#19
Methvl tert-butvl Ether
Concen: 52.816 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.1	17.4	26.0

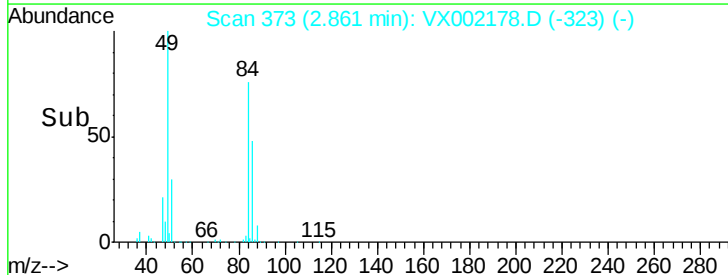
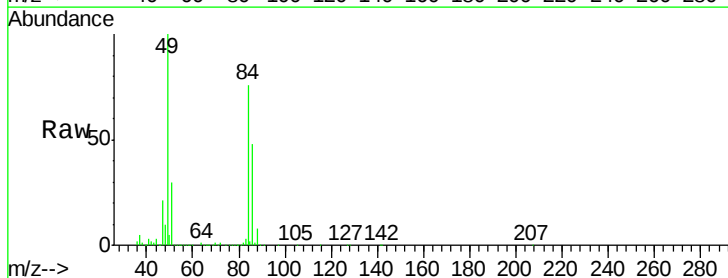
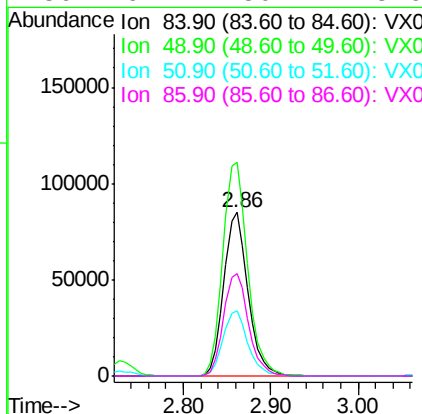
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#20
Methylene Chloride
Concen: 57.300 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	130.8	107.2	160.8
51	51	39.6	32.4	48.6
86	86	62.4	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 55.415 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

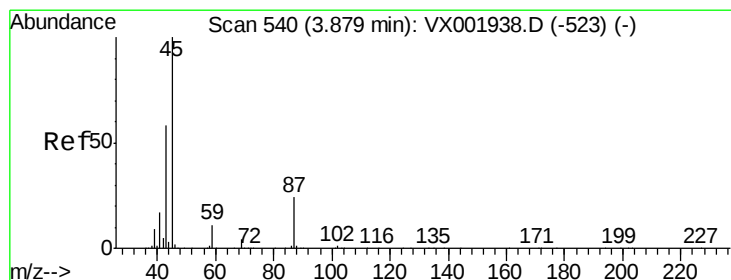
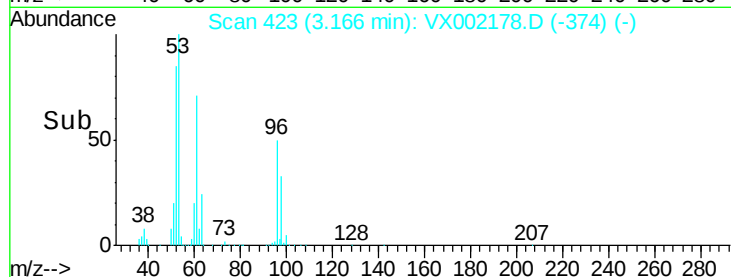
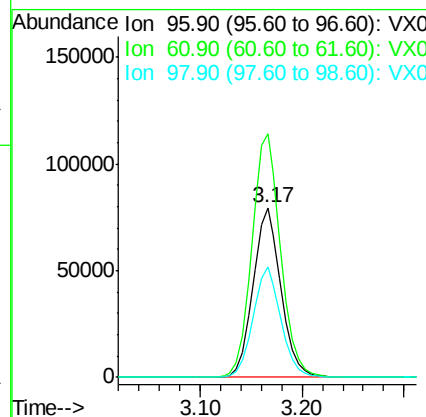
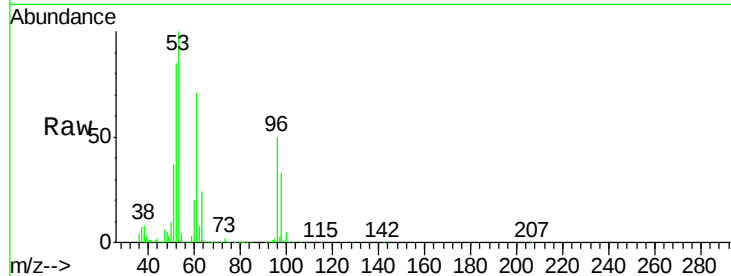
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	150664
Ion	Ratio	Lower	Upper
96	100		
61	143.1	113.3	169.9
98	65.4	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#22

Diisopropyl ether

Concen: 46.289 ug/l

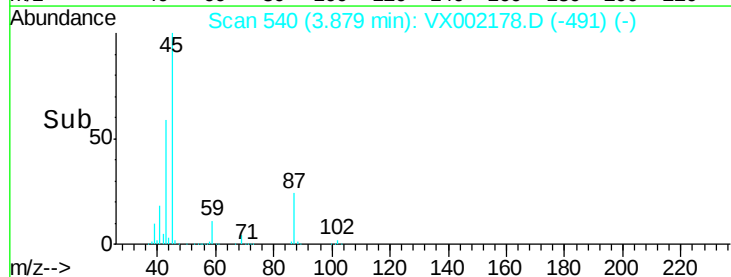
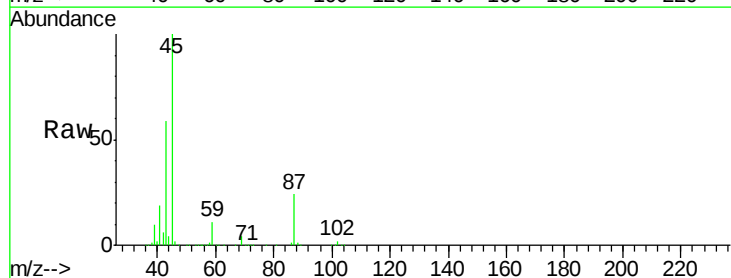
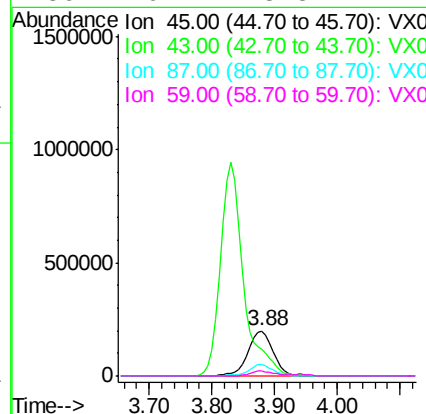
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	45	Resp:	553654
Ion	Ratio	Lower	Upper
45	100		
43	59.1	47.0	70.6
87	24.3	19.4	29.0
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 243.627 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2416010

Ion Ratio Lower Upper

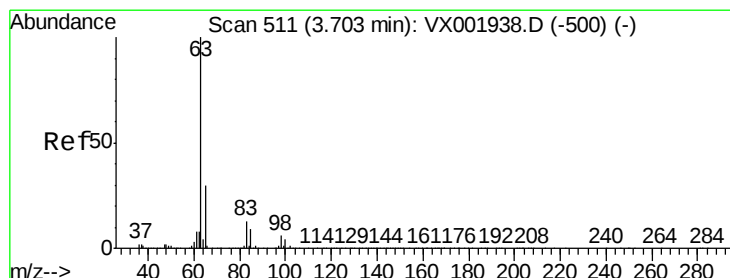
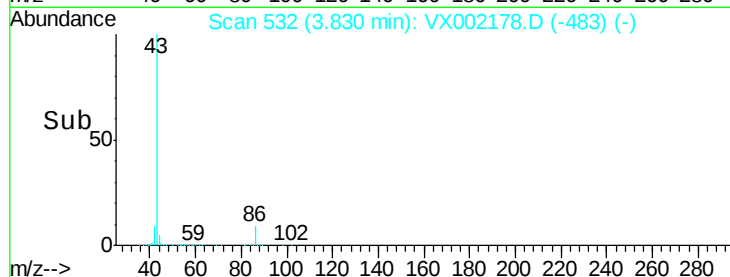
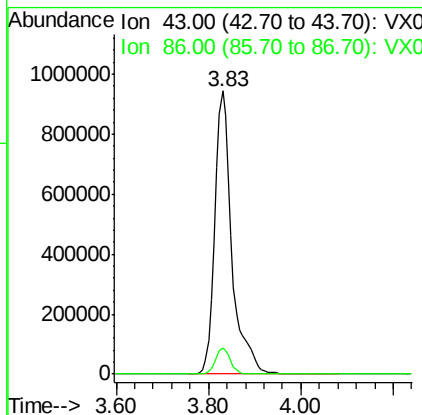
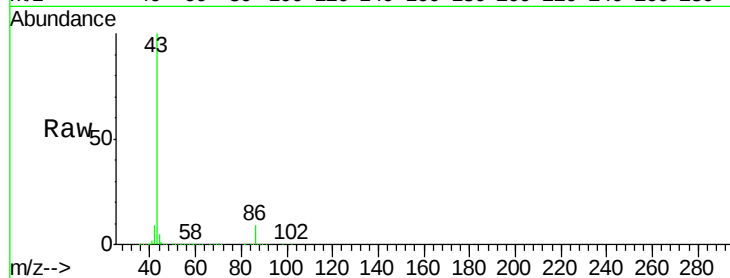
43 100

86 9.0 7.6 11.4

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#24

1,1-Dichloroethane

Concen: 48.346 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

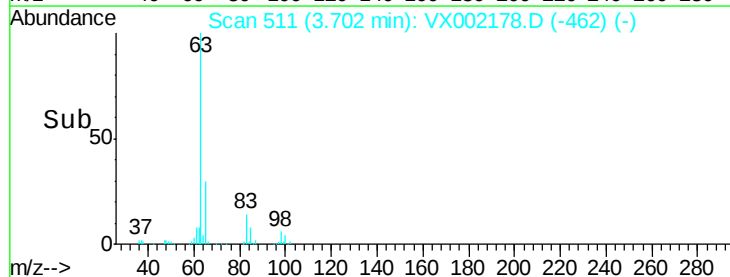
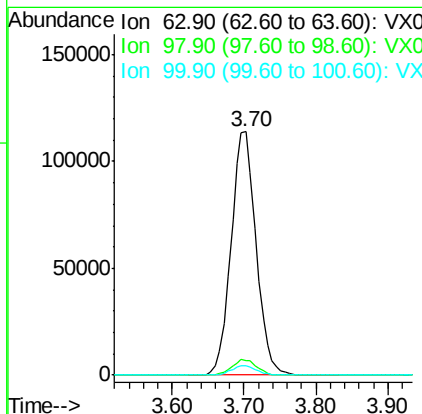
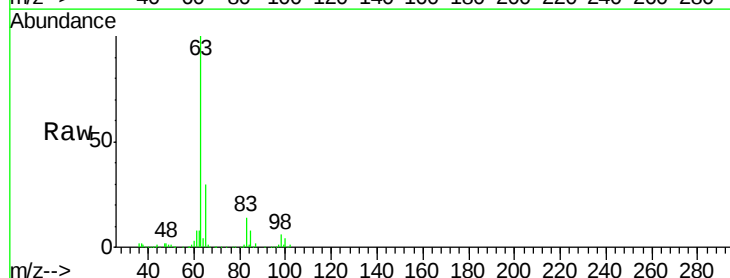
Tgt Ion: 63 Resp: 274684

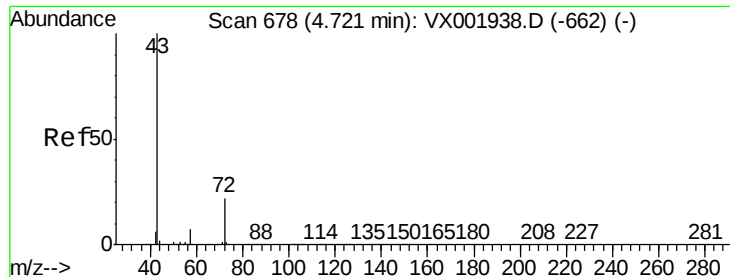
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 217.852 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 662000

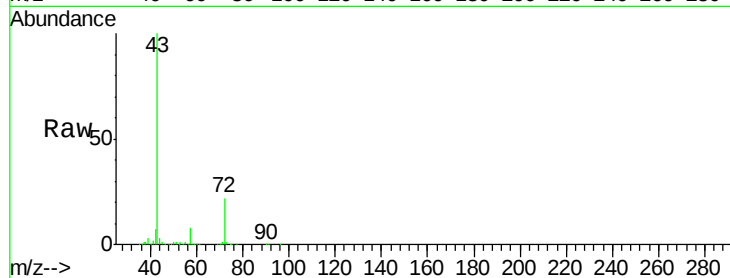
Ion Ratio Lower Upper

43 100

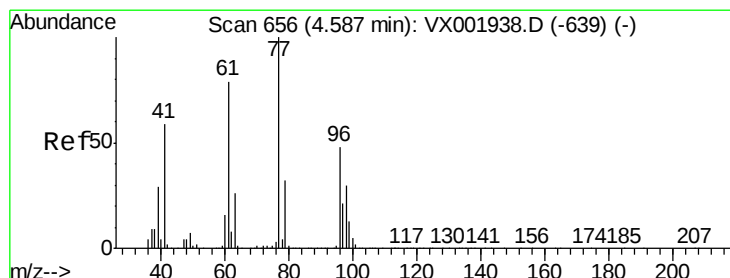
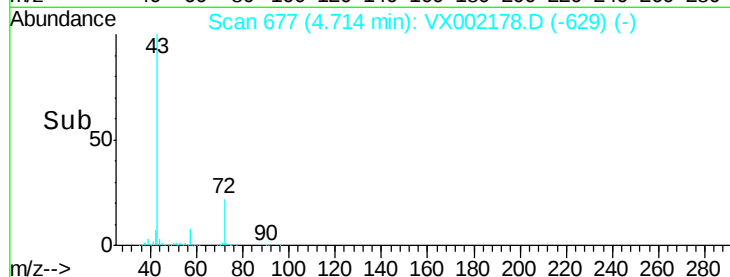
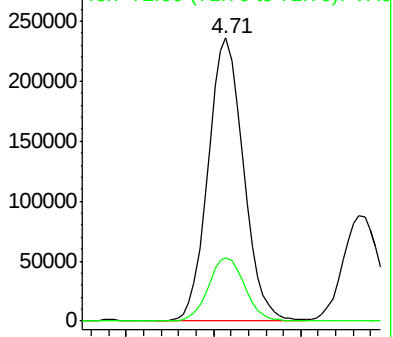
72 22.4 17.9 26.9

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VX001938.D (-662) (-)



#26

2,2-Dichloropropane

Concen: 40.174 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002178.D

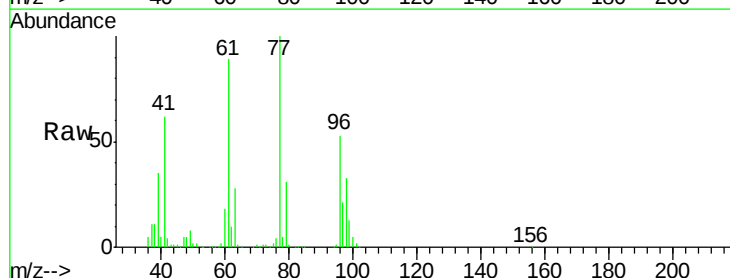
Acq: 31 May 2018 15:25

Tgt Ion: 77 Resp: 231036

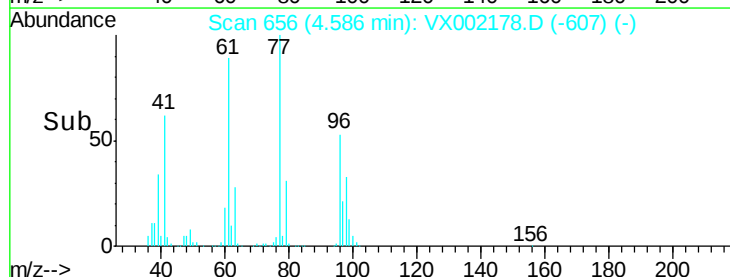
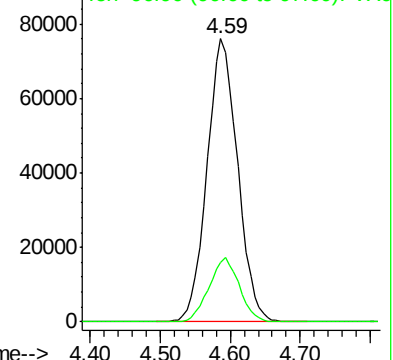
Ion Ratio Lower Upper

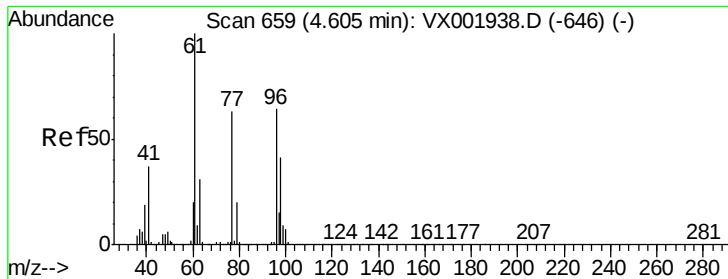
77 100

97 22.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX001938.D (-639) (-)





#27

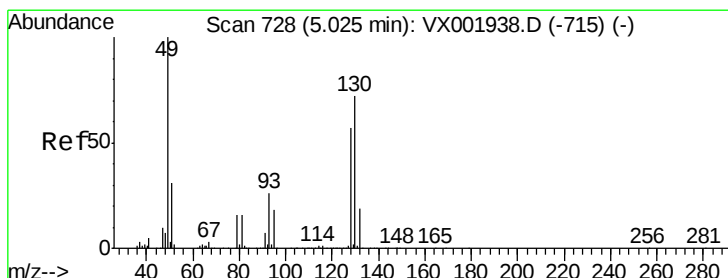
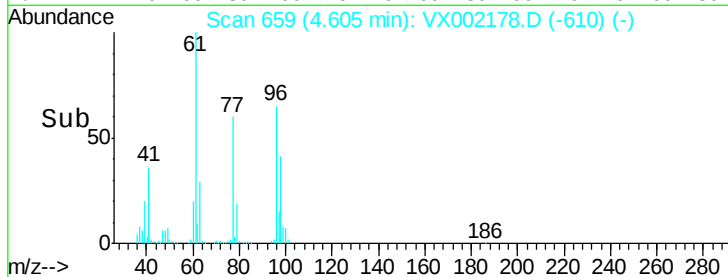
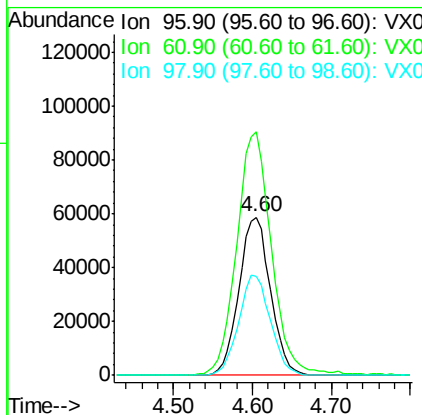
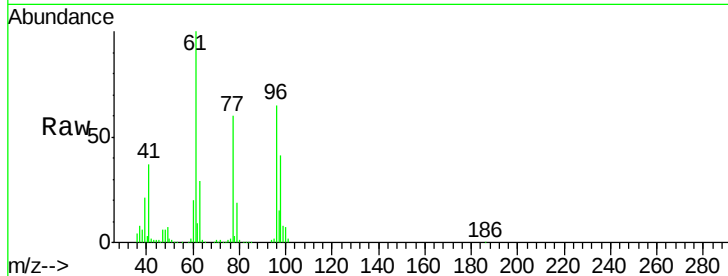
cis-1,2-Dichloroethene
Concen: 44.780 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163576		
61	169.7	0.0	348.4	
98	63.9	0.0	128.6	

Manual Integrations
APPROVED

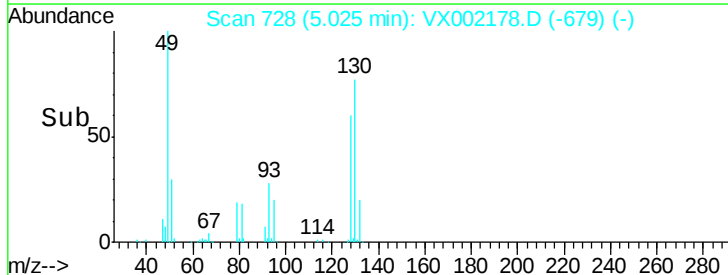
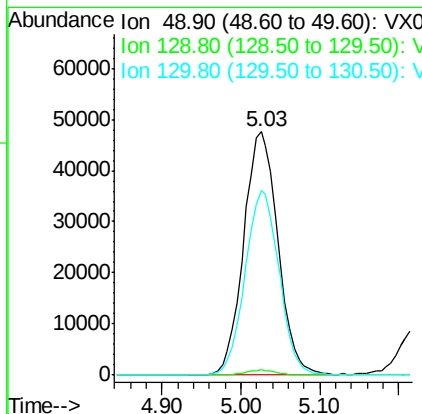
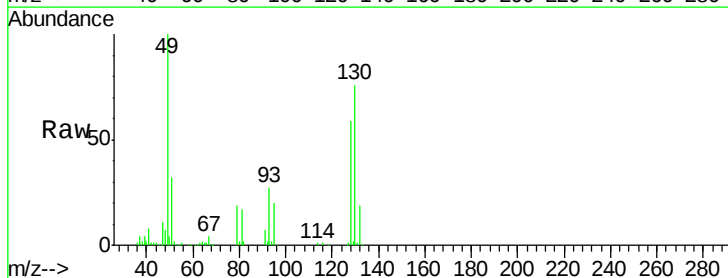
MMDadoda
6/1/2018 6:37:08 PM



#28

Bromochloromethane
Concen: 60.712 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143900		
129	1.9	0.0	3.8	
130	75.1	59.4	89.2	





#29

Tetrahydrofuran

Concen: 217.525 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

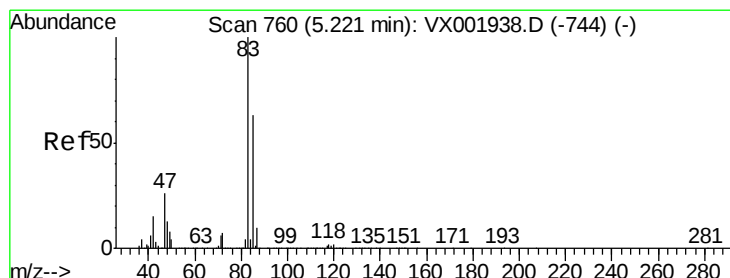
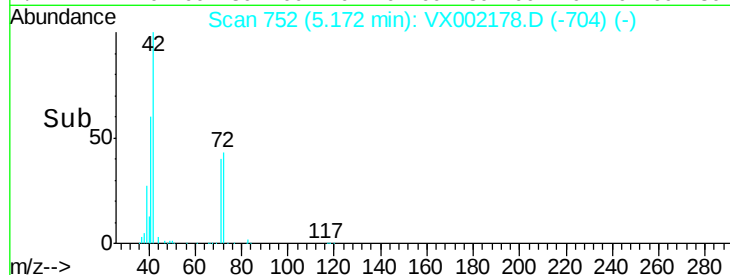
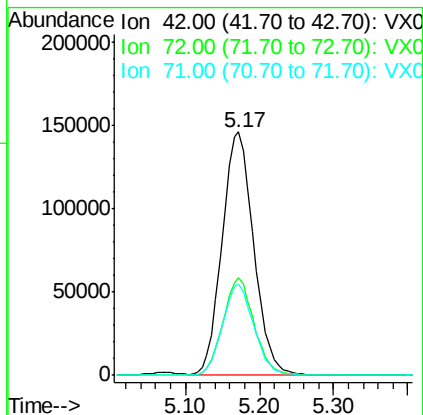
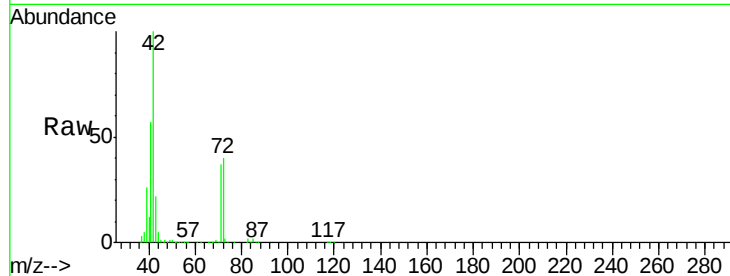
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	430061
Ion Ratio		Lower	Upper
42	100		
72	39.9	31.4	47.0
71	37.3	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#30

Chloroform

Concen: 44.926 ug/l

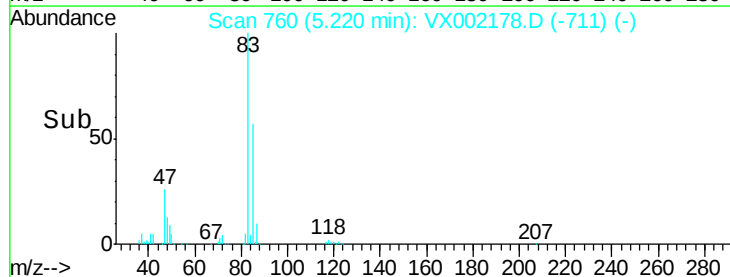
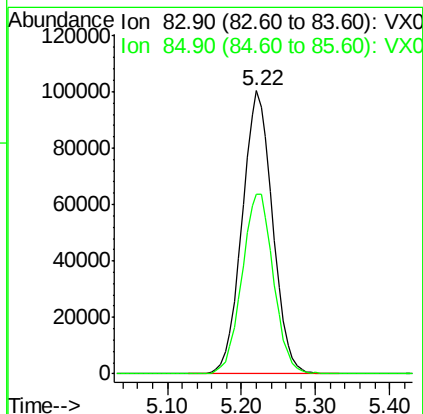
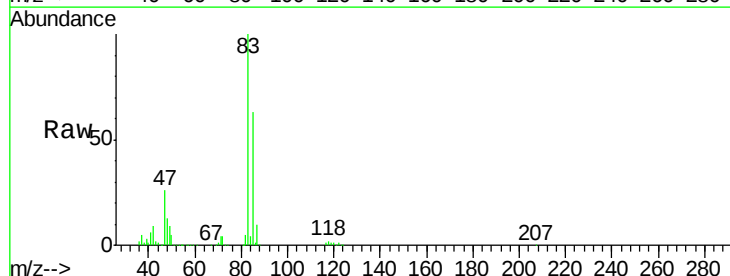
RT: 5.22 min Scan# 760

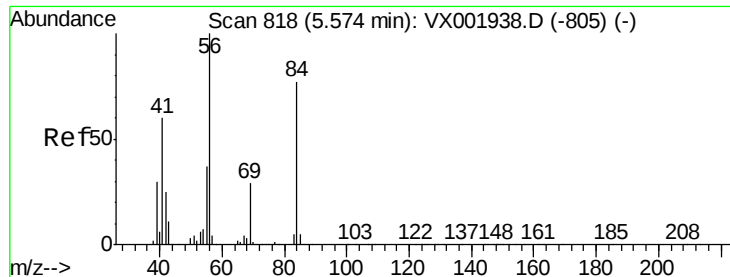
Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	83	Resp:	287580
Ion Ratio		Lower	Upper
83	100		
85	63.4	50.9	76.3





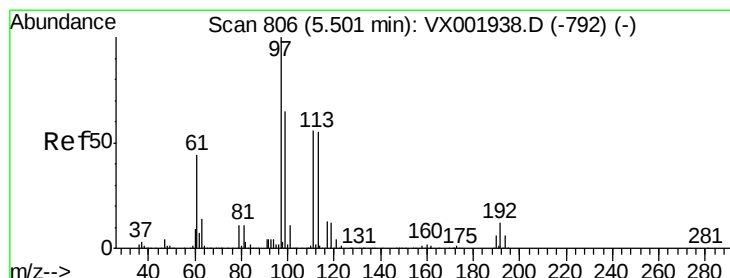
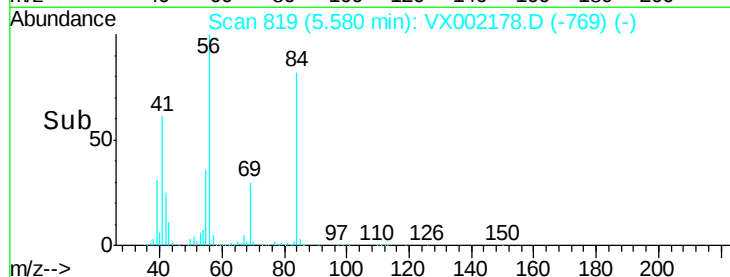
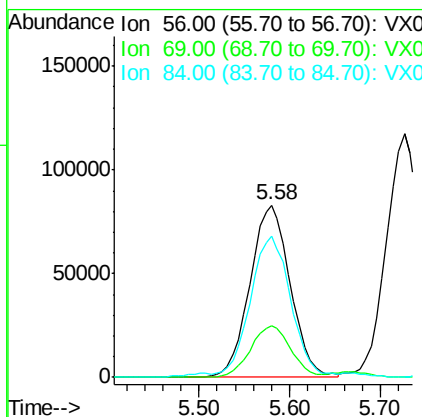
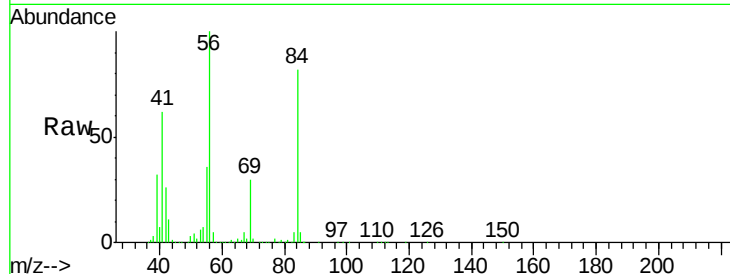
#31
Cyclohexane
Concen: 42.924 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	29.7	23.1	34.7	
84	80.7	62.0	93.0	

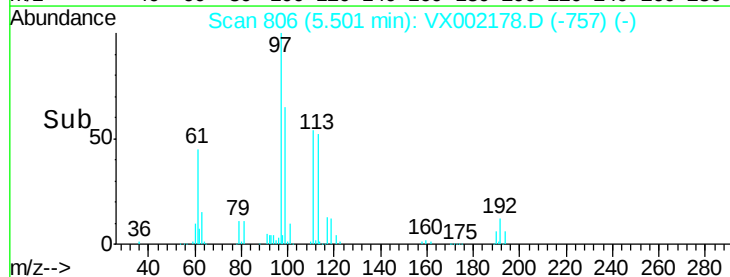
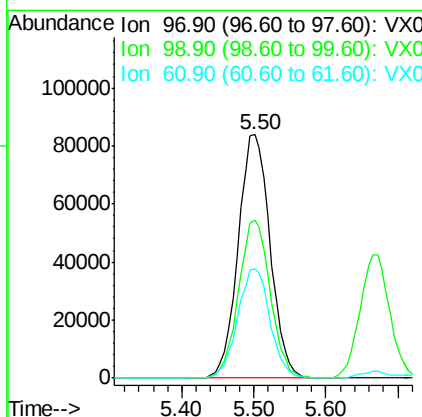
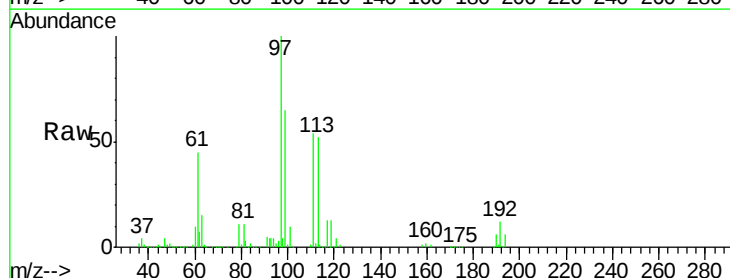
Manual Integrations
APPROVED

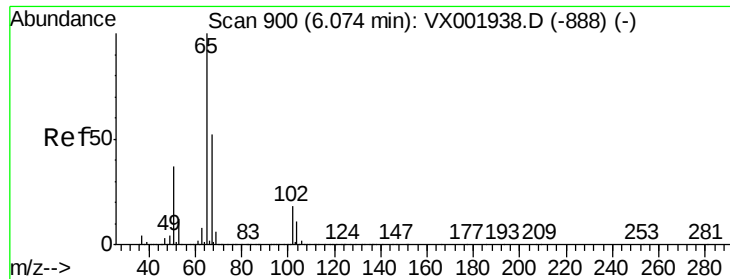
MMDadoda
6/1/2018 6:37:08 PM



#32
1,1,1-Trichloroethane
Concen: 43.256 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.9	77.9	
61	45.6	35.9	53.9	





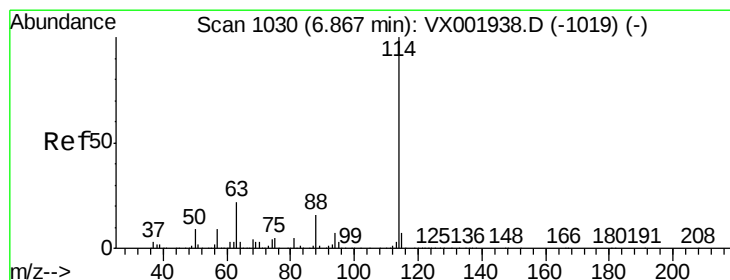
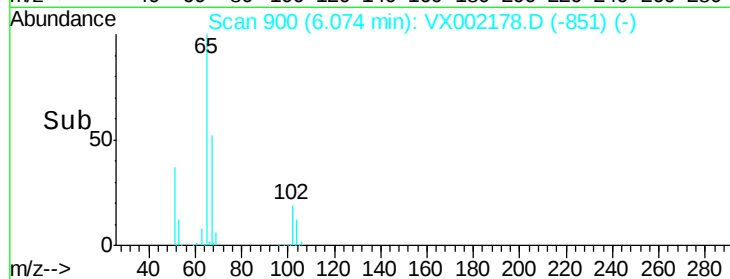
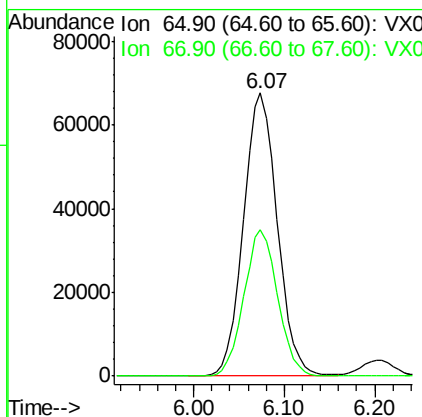
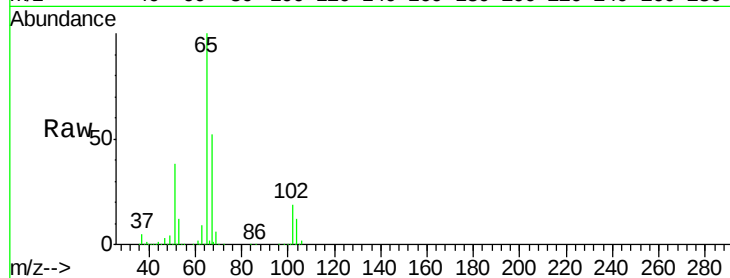
#33
 1,2-Dichloroethane-d4
 Concen: 40.598 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174412		
67	51.9	0.0	104.0	

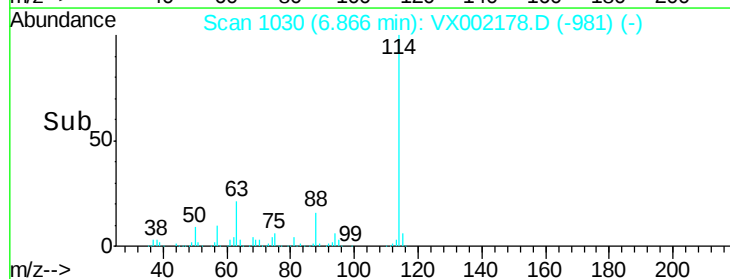
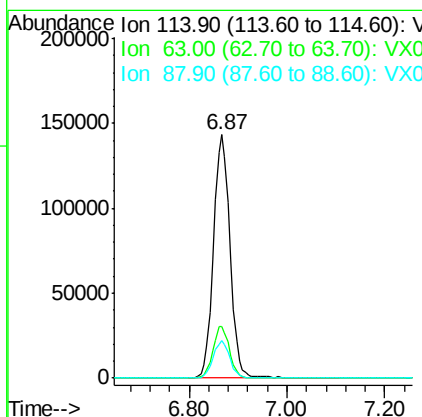
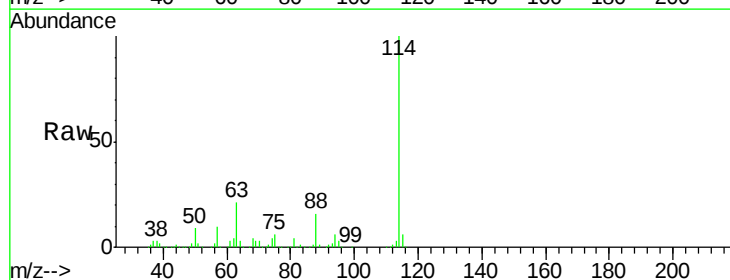
Manual Integrations
 APPROVED

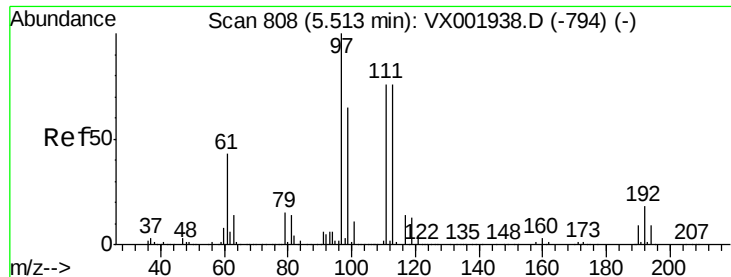
MMDadoda
 6/1/2018 6:37:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	336330		
63	21.1	0.0	43.2	
88	15.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 40.423 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

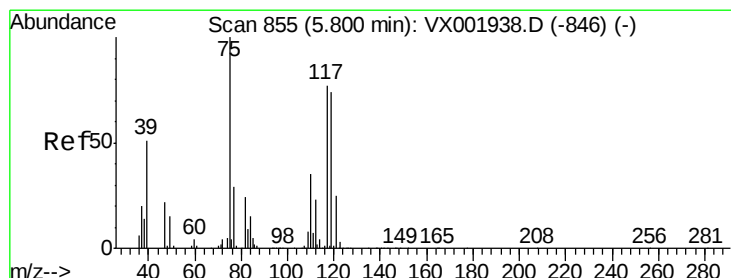
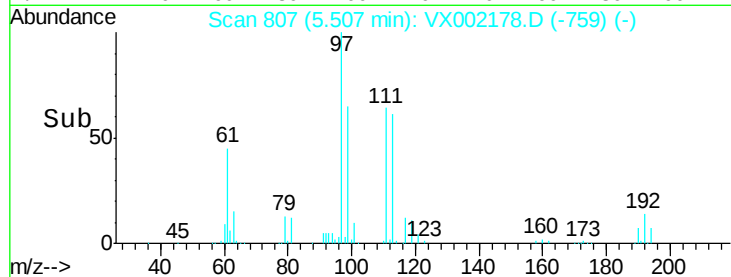
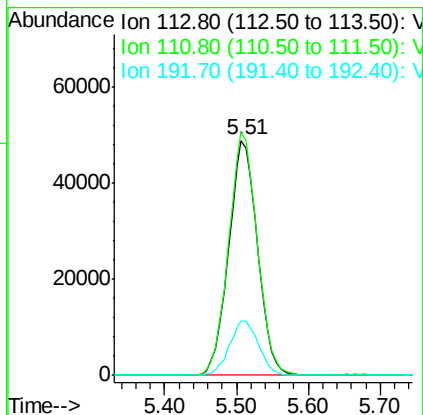
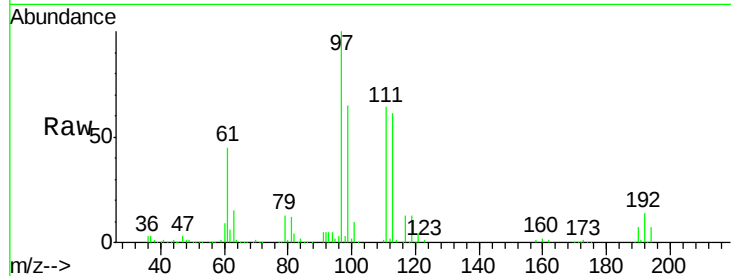
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	135956
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.0	123.0
192	23.5	18.9	28.3

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#36

1,1-Dichloropropene

Concen: 44.950 ug/l

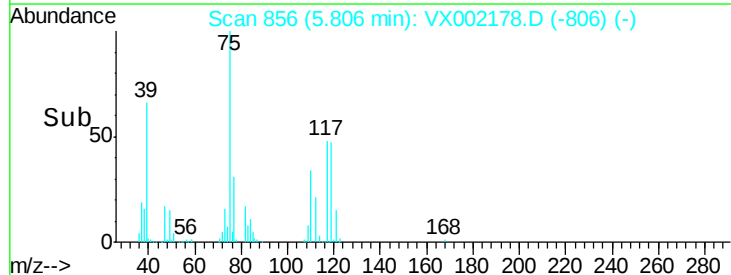
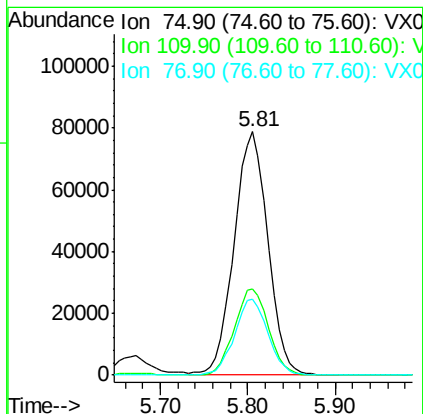
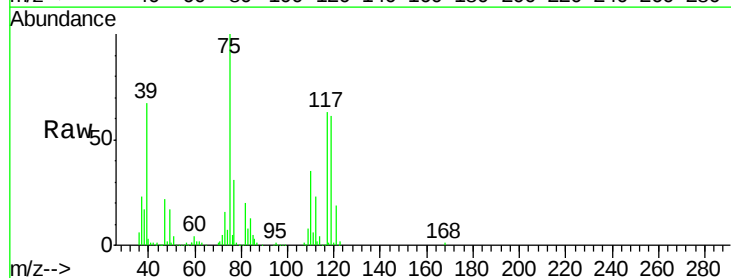
RT: 5.81 min Scan# 856

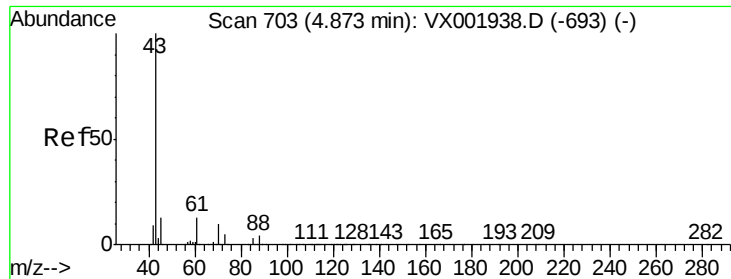
Delta R.T. 0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	75	Resp:	210285
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.4	52.2
77	30.9	24.4	36.6





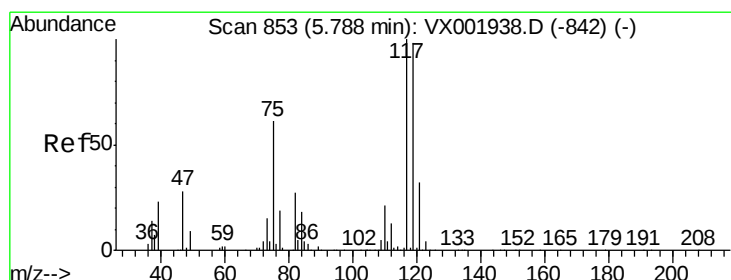
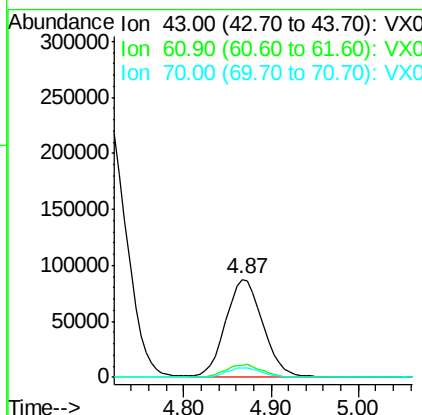
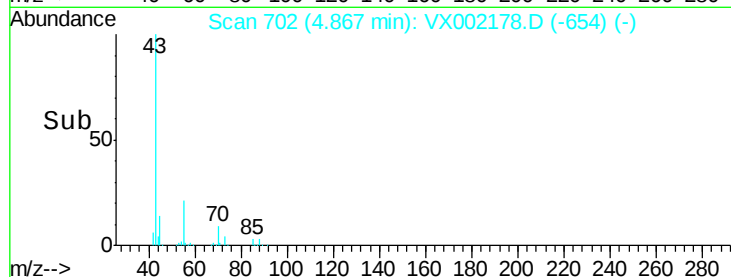
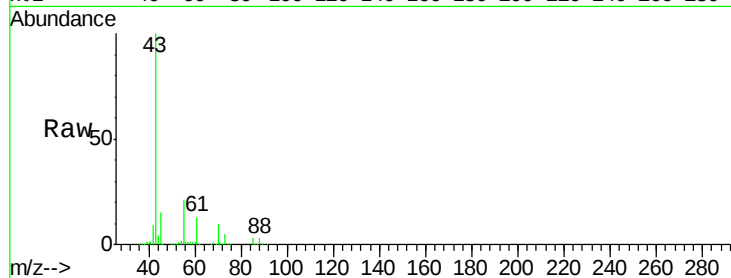
#37
Ethyl Acetate
Concen: 42.339 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	258227
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.4	7.8	11.8

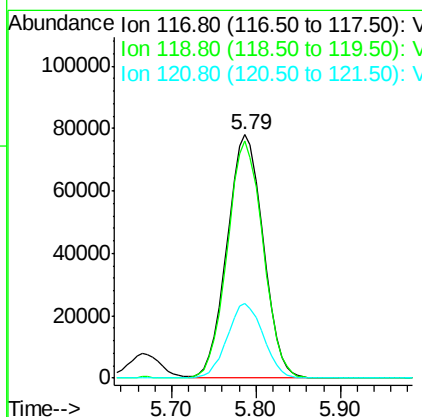
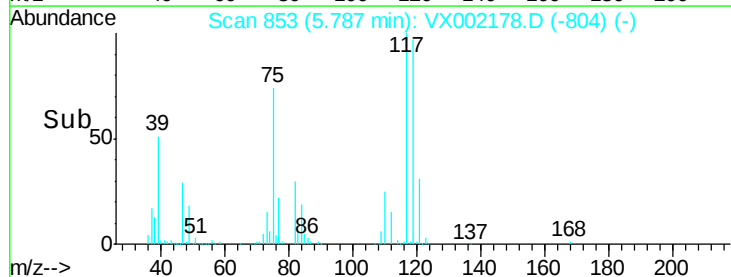
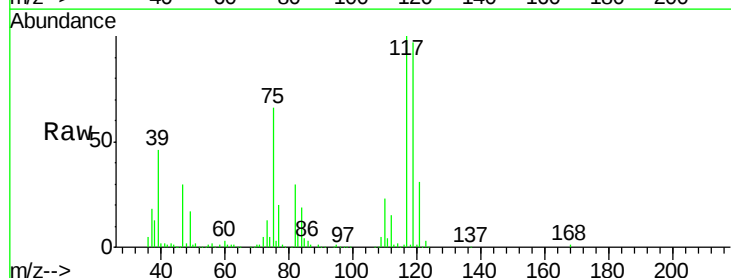
Manual Integrations
APPROVED

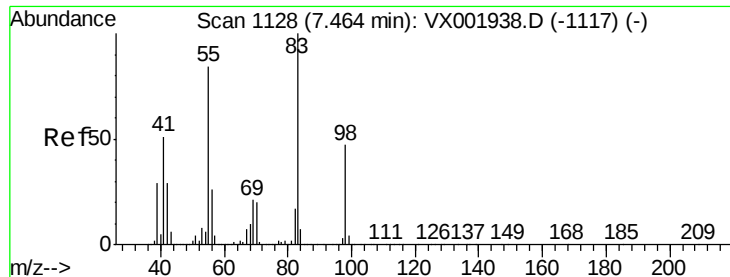
MMDadoda
6/1/2018 6:37:08 PM



#38
Carbon Tetrachloride
Concen: 41.540 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion:	117	Resp:	226616
Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.5	117.7
121	30.9	25.5	38.3





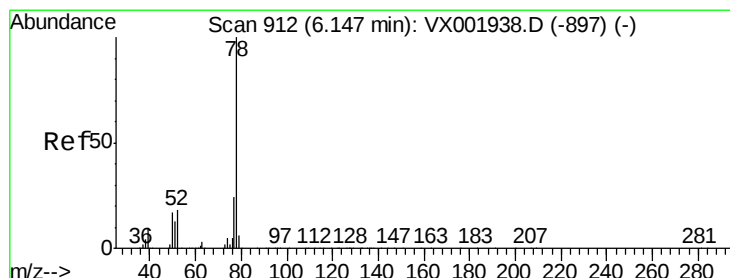
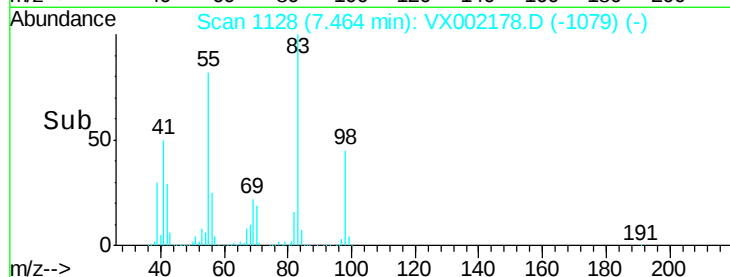
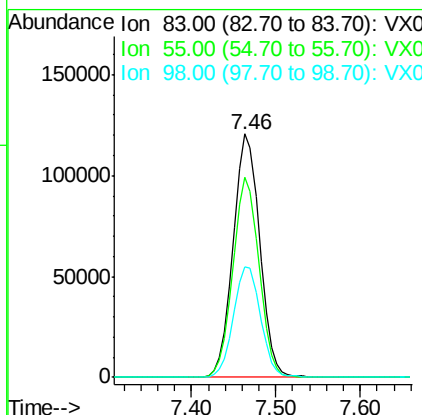
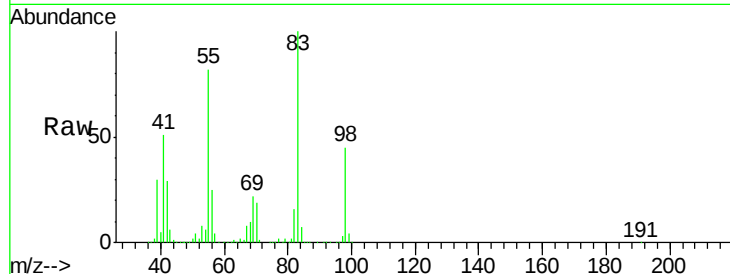
#39
Methvlcvclohexane
Concen: 44.732 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.3	100.9
98	45.5	37.5	56.3

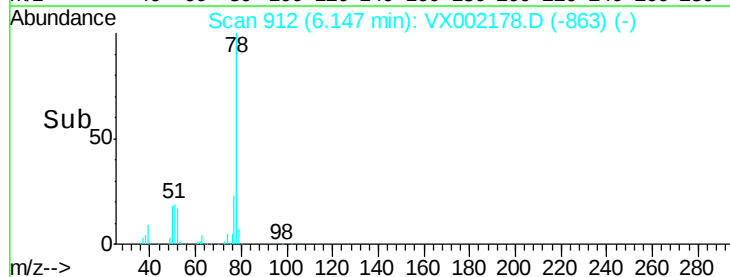
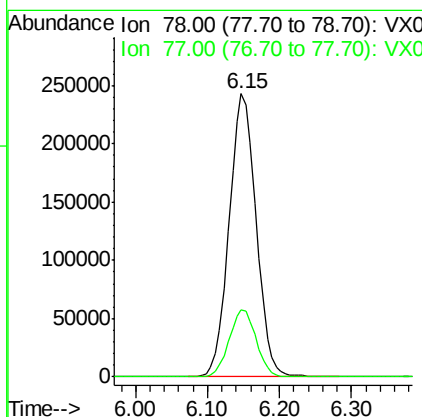
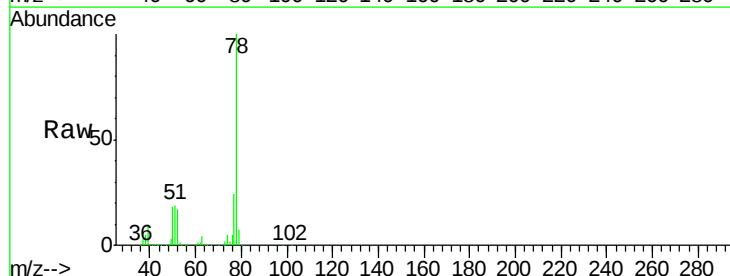
Manual Integrations
APPROVED

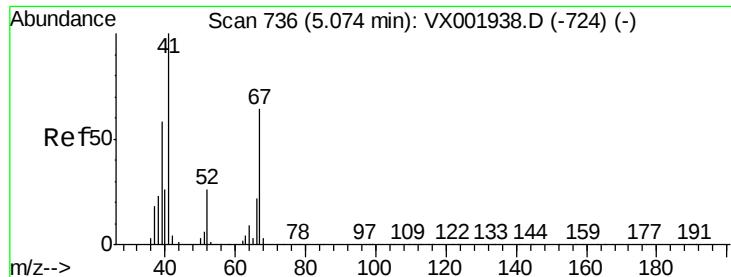
MMDadoda
6/1/2018 6:37:08 PM



#40
Benzene
Concen: 46.296 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





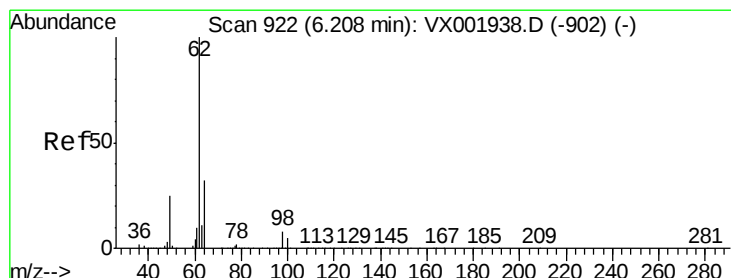
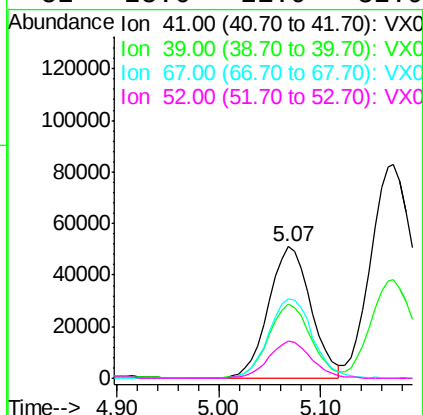
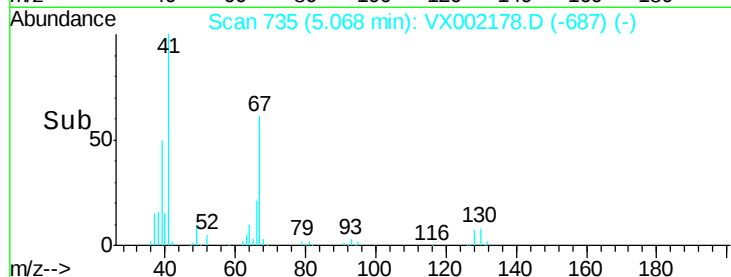
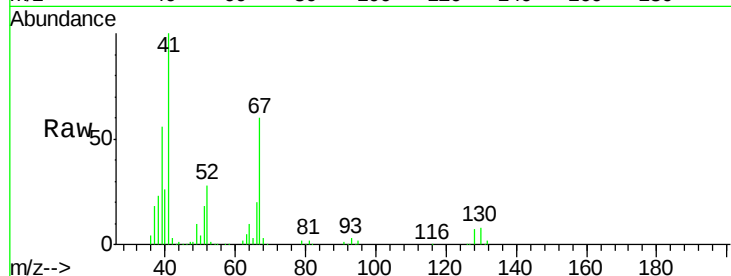
#41
Methacrylonitrile
Concen: 45.270 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		146115		
39	57.1	46.0	69.0		
67	63.5	50.6	75.8		
52	28.6	21.9	32.9		

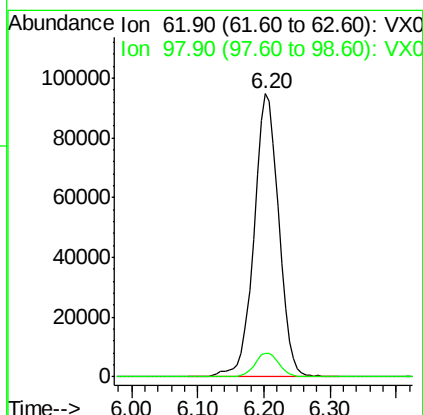
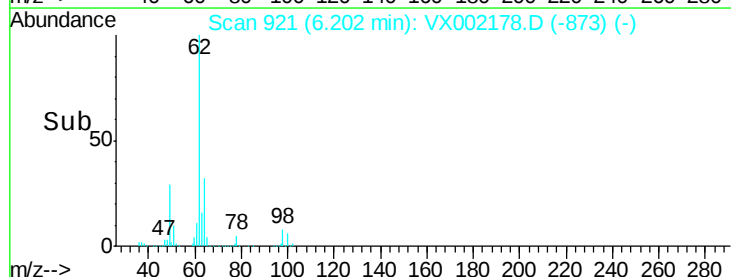
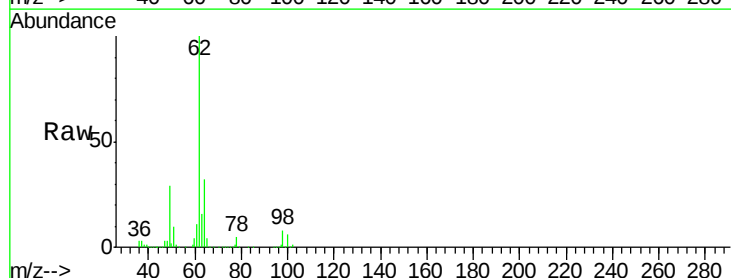
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#42
1,2-Dichloroethane
Concen: 45.018 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		246458		
98	8.3	0.0	17.0		





#43

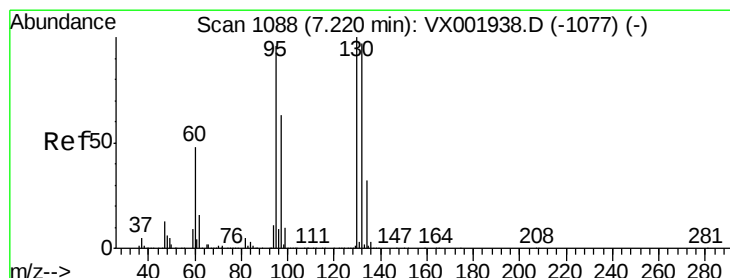
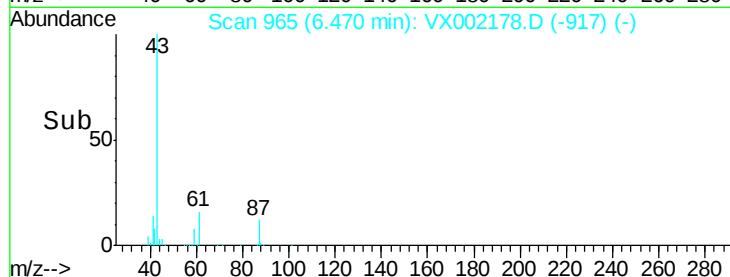
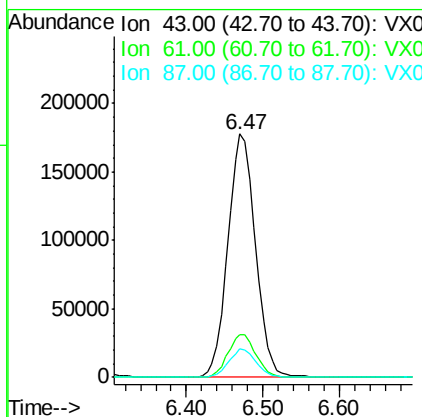
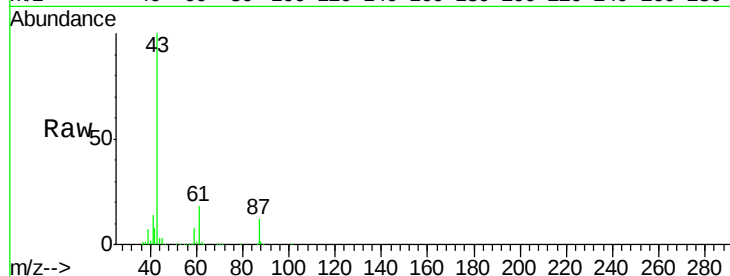
Isopropyl Acetate
 Concen: 43.434 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
 APPROVED

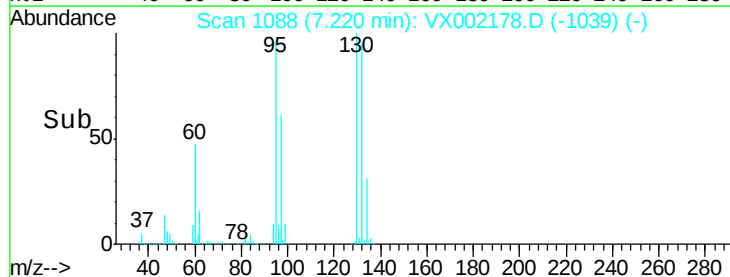
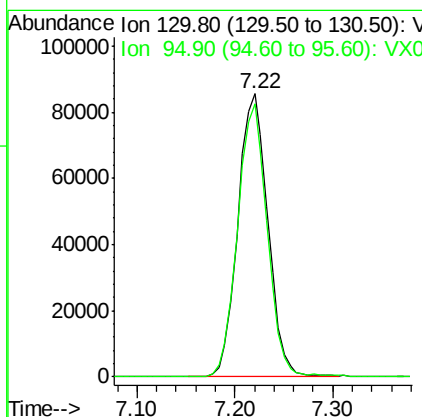
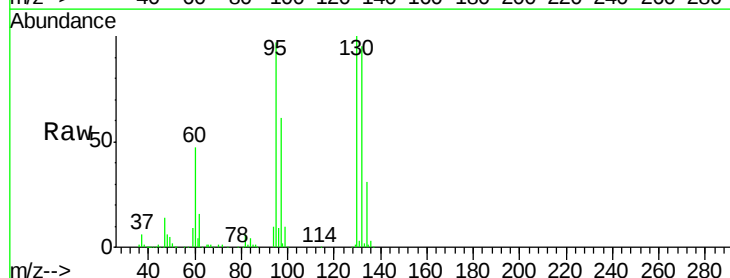
MMDadoda
 6/1/2018 6:37:08 PM



#44

Trichloroethene
 Concen: 45.592 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	192.0





#45

1,2-Dichloropropane

Concen: 46.390 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 172669

Ion Ratio Lower Upper

63 100

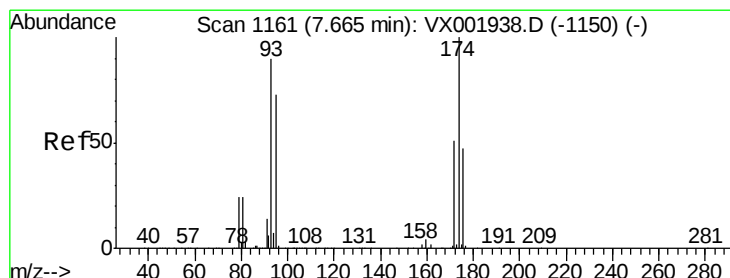
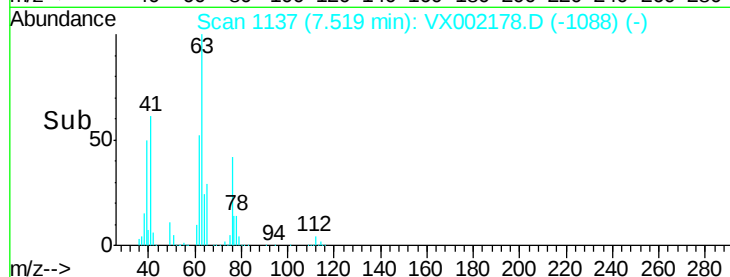
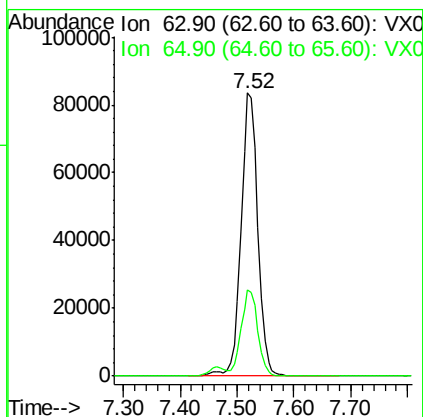
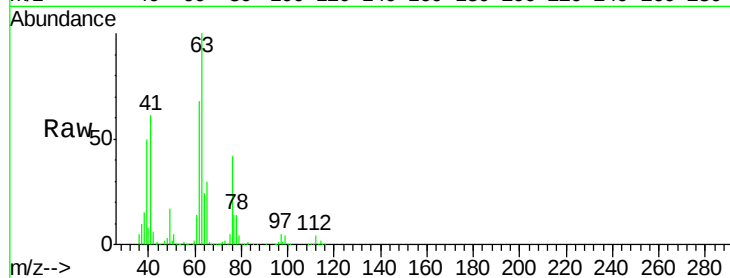
65 30.5 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#46

Dibromomethane

Concen: 45.011 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

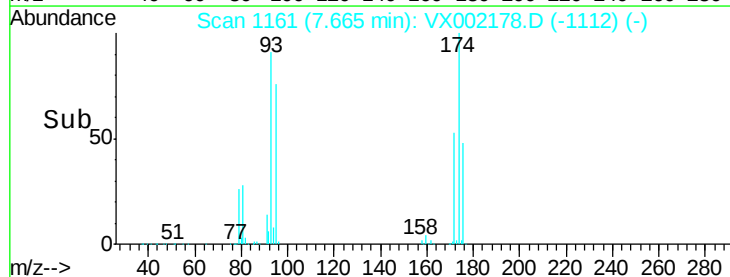
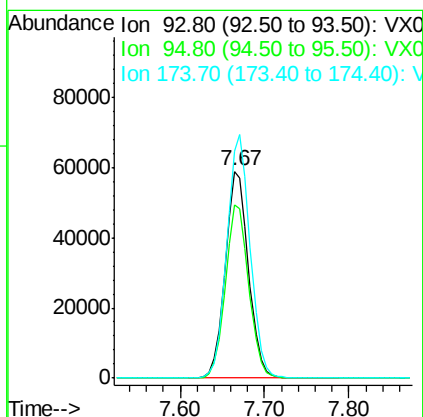
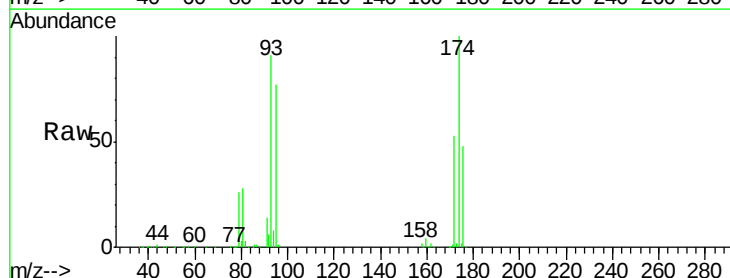
Tgt Ion: 93 Resp: 110921

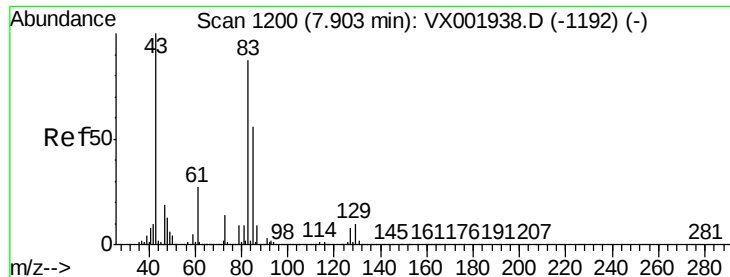
Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

174 117.5 92.5 138.7





#47

Bromodichloromethane

Concen: 40.922 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

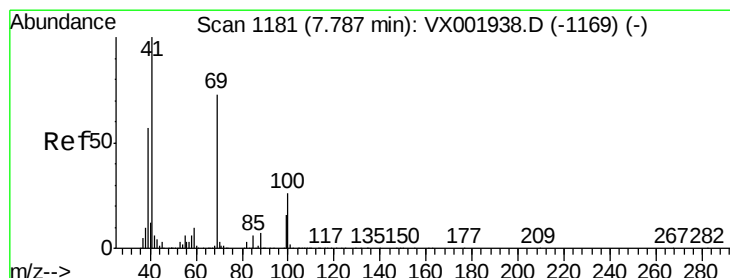
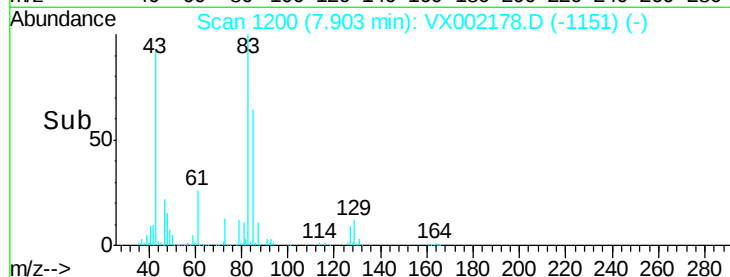
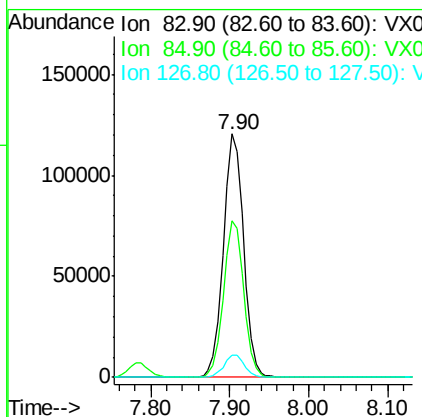
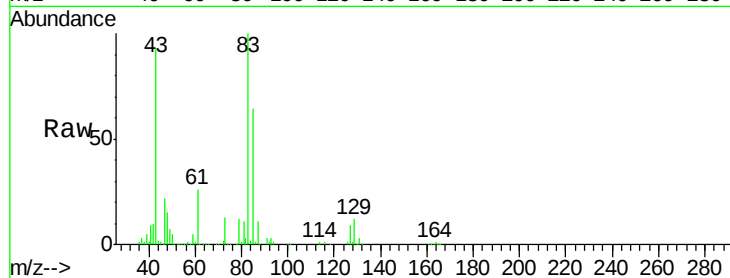
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	215021
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#48

Methyl methacrylate

Concen: 43.279 ug/l

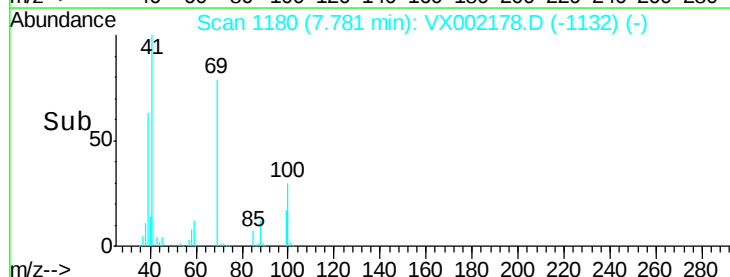
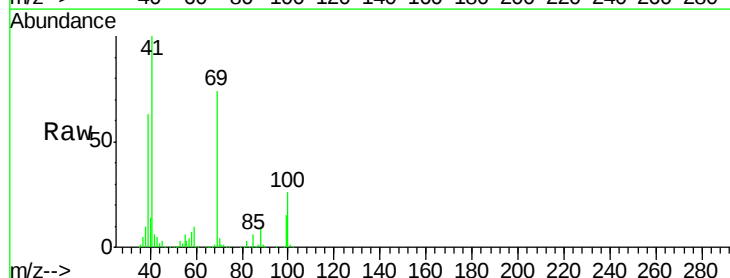
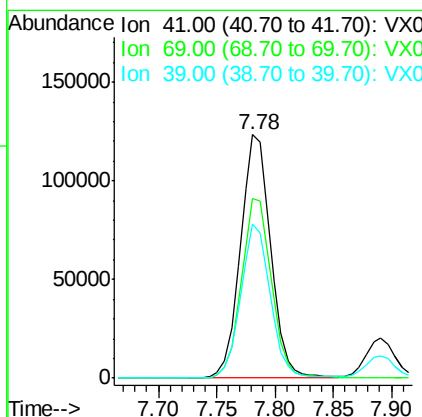
RT: 7.78 min Scan# 1180

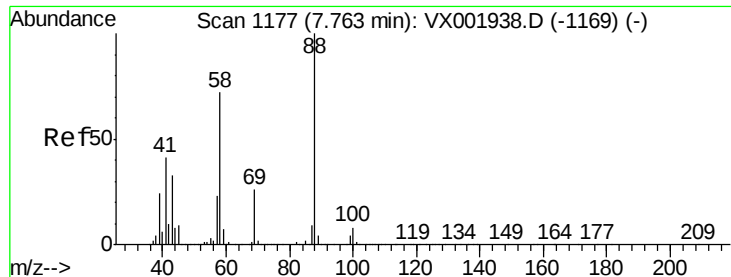
Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	41	Resp:	223848
Ion Ratio	Lower	Upper	
41	100		
69	74.3	58.6	87.8
39	61.8	46.3	69.5





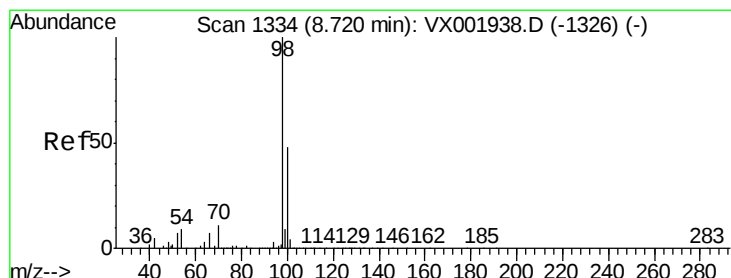
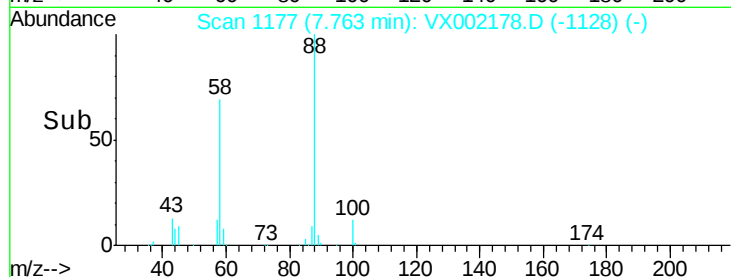
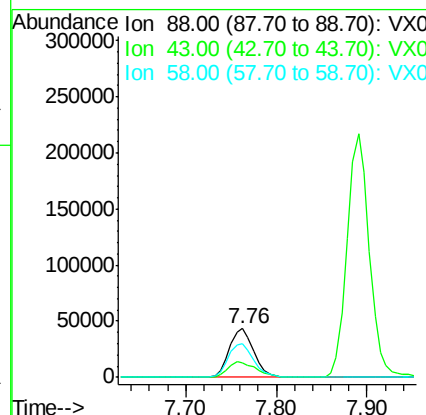
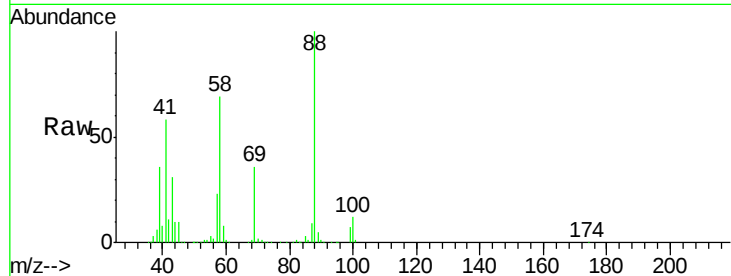
#49
1,4-Dioxane
Concen: 898.527 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.8	44.8
58	72.3	58.7	88.1

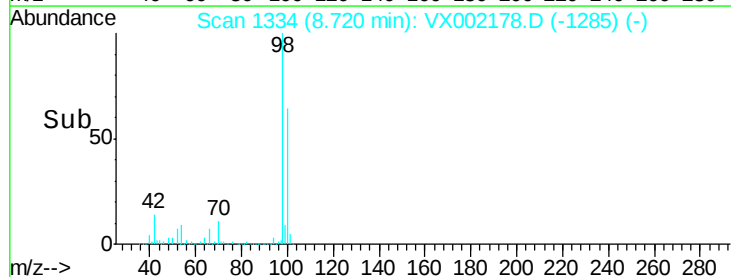
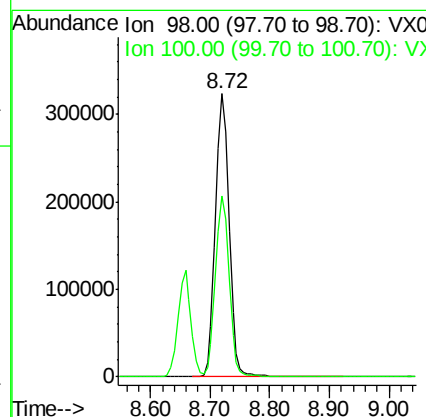
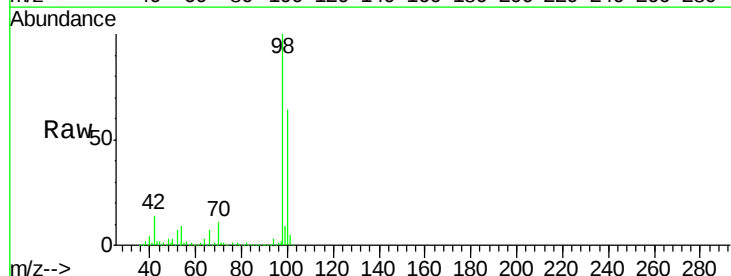
Manual Integrations
APPROVED

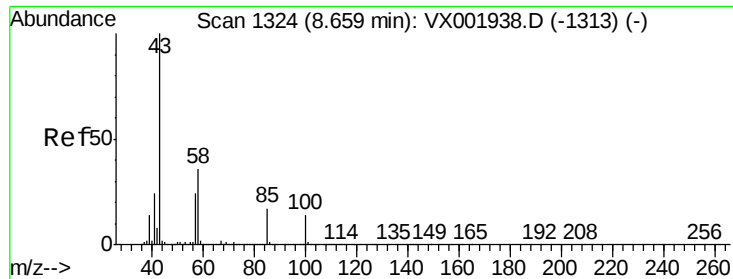
MMDadoda
6/1/2018 6:37:08 PM



#50
Toluene-d8
Concen: 41.709 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





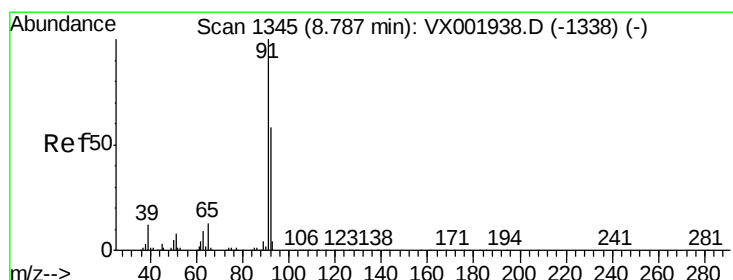
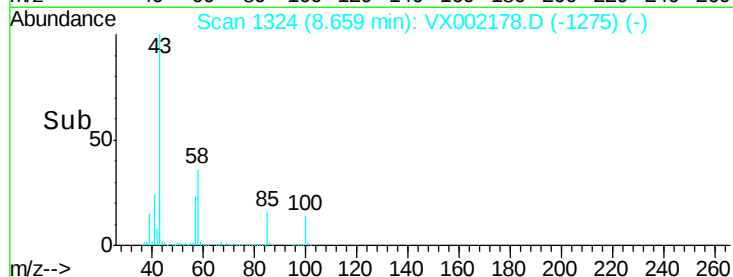
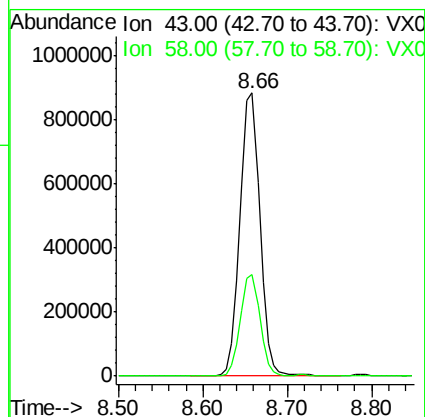
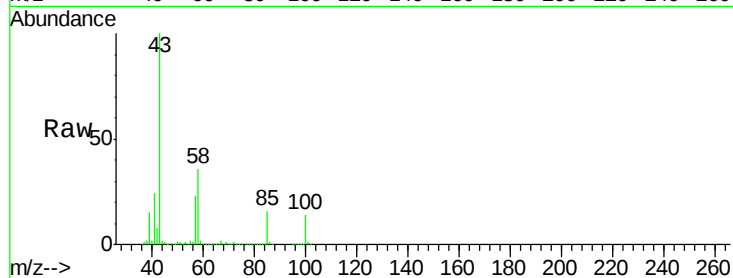
#51
4-Methyl-2-Pentanone
Concen: 230.412 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1411504
Ion Ratio Lower Upper
43 100
58 35.3 28.5 42.7

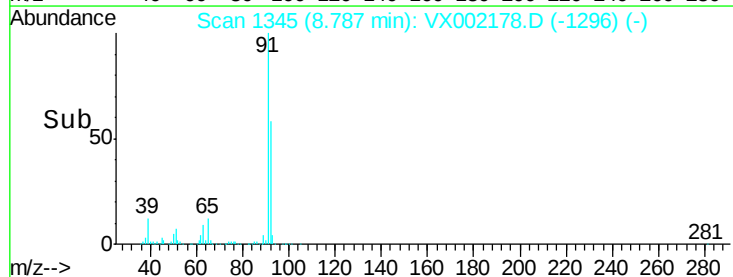
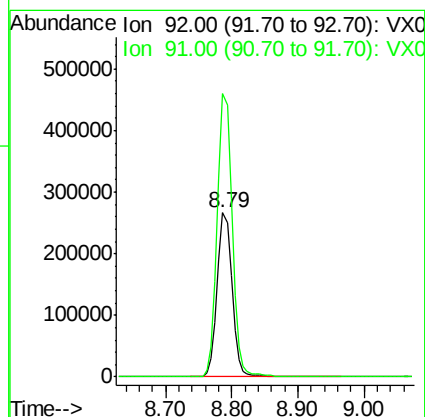
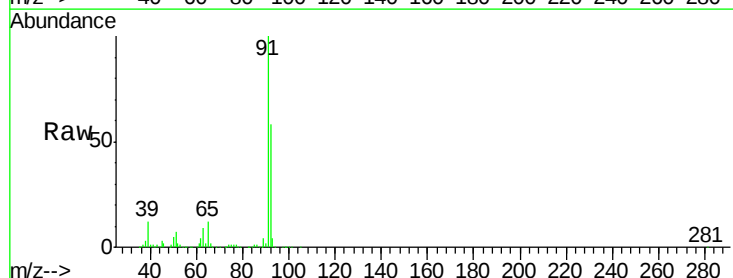
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#52
Toluene
Concen: 47.588 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion: 92 Resp: 415078
Ion Ratio Lower Upper
92 100
91 173.2 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 43.587 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 263779

Ion Ratio Lower Upper

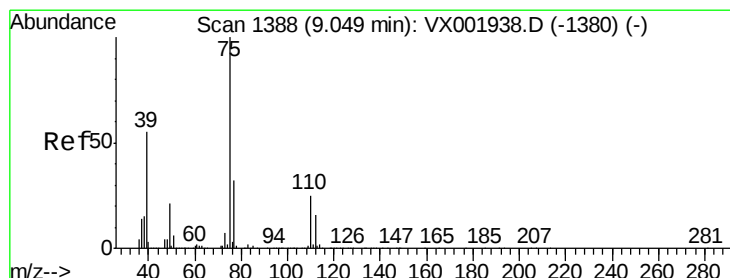
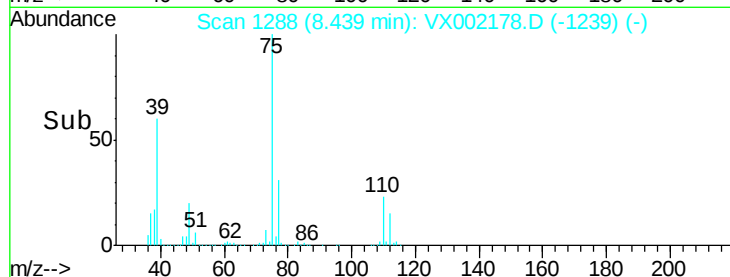
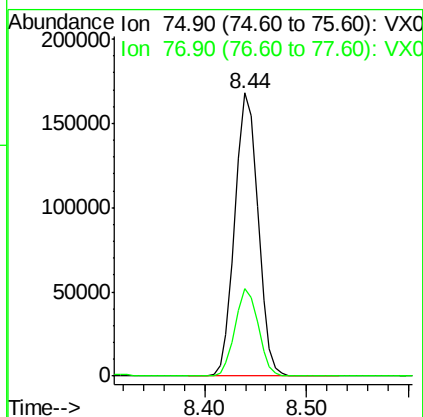
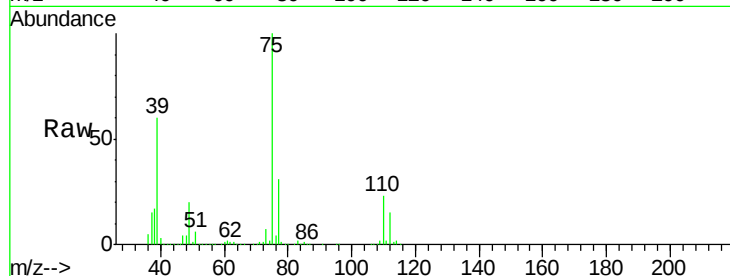
75 100

77 30.7 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#54

cis-1,3-Dichloropropene

Concen: 42.205 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

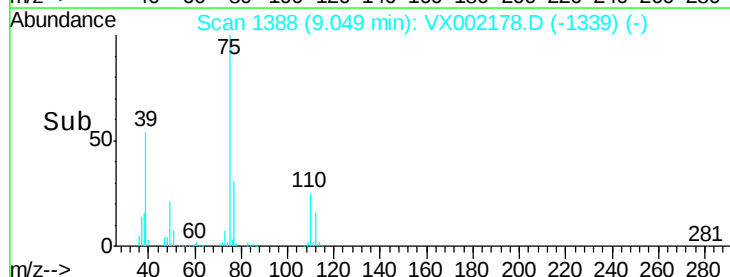
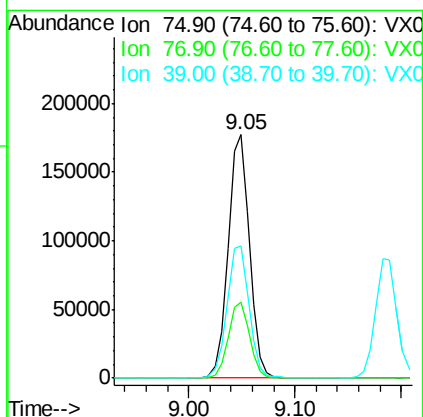
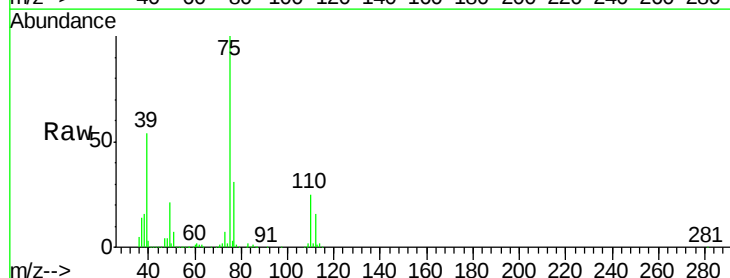
Tgt Ion: 75 Resp: 248888

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.1 44.1 66.1





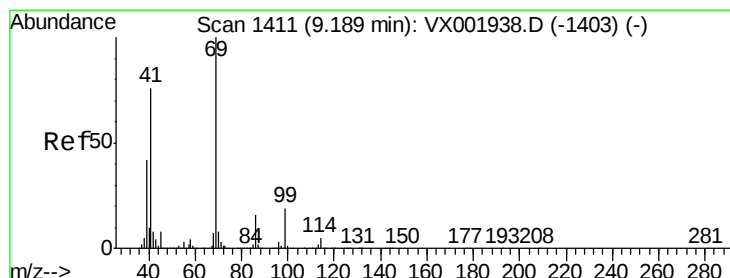
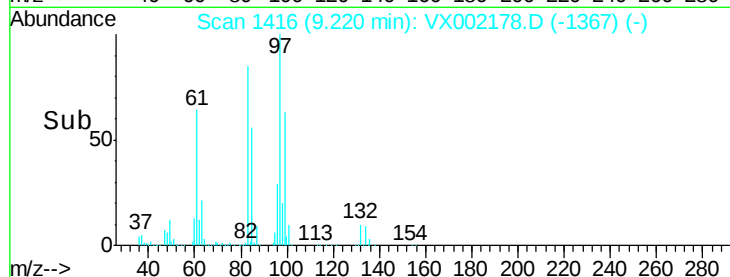
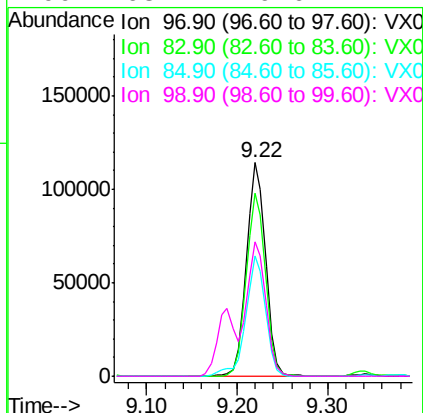
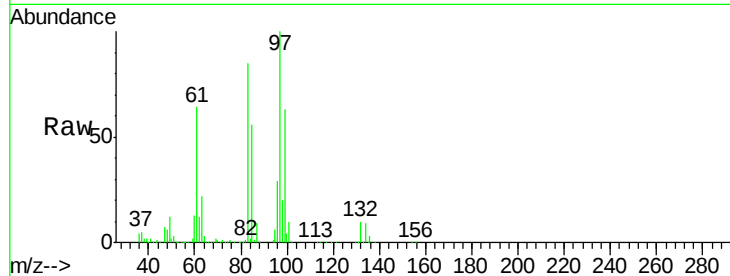
#55
 1,1,2-Trichloroethane
 Concen: 45.828 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	166988
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.1	103.7
85	56.4	45.2	67.8
99	63.2	49.6	74.4

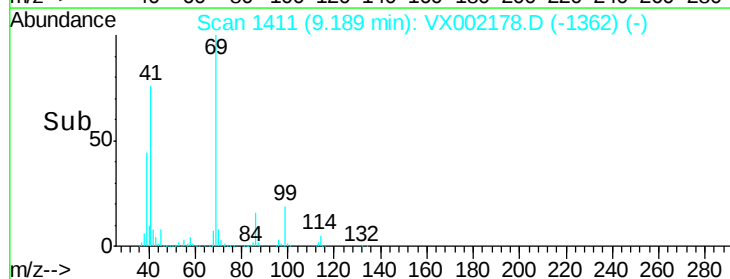
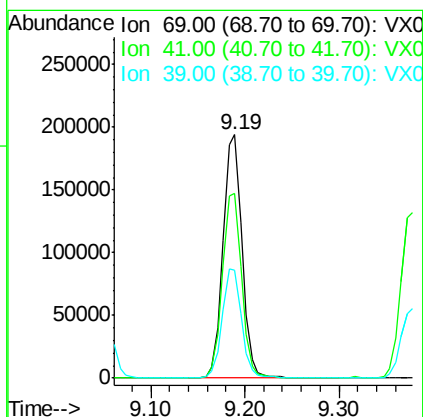
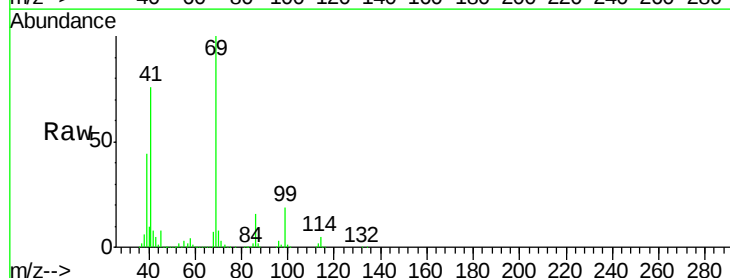
Manual Integrations
 APPROVED

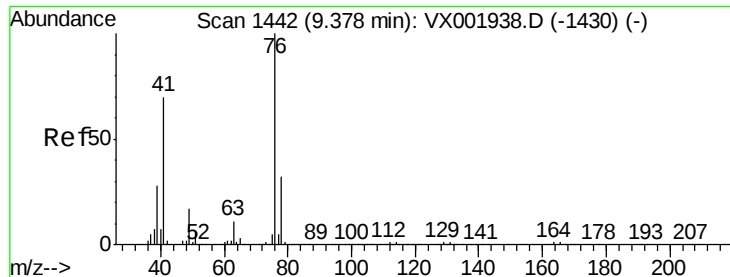
MMDadoda
 6/1/2018 6:37:08 PM



#56
 Ethyl methacrylate
 Concen: 43.464 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion:	69	Resp:	272406
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.0	91.6
39	45.6	34.4	51.6





#57

1,3-Dichloropropane

Concen: 46.367 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 278325

Ion Ratio Lower Upper

76 100

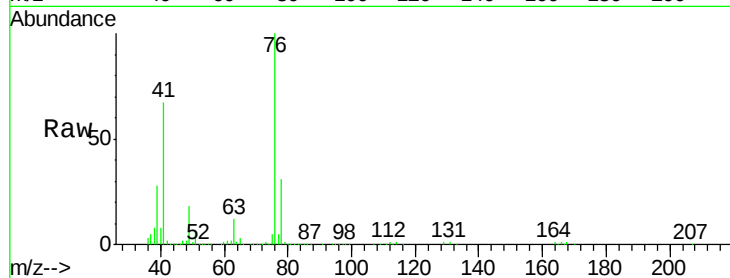
78 32.2 25.6 38.4

Manual Integrations

APPROVED

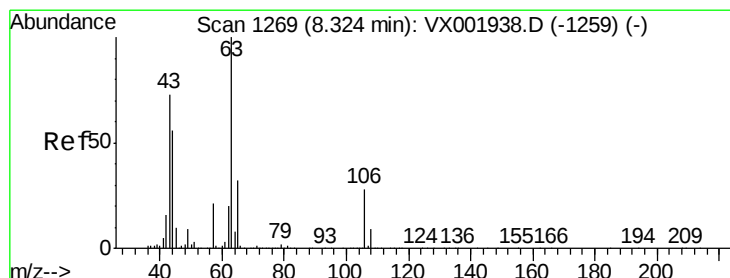
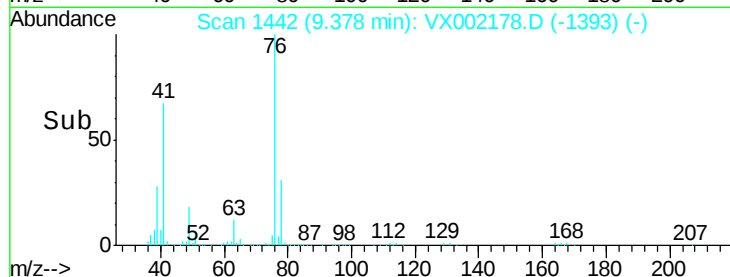
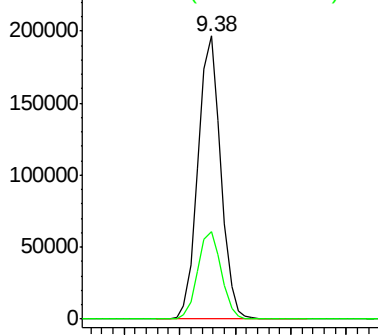
MMDadoda

6/1/2018 6:37:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 220.298 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002178.D

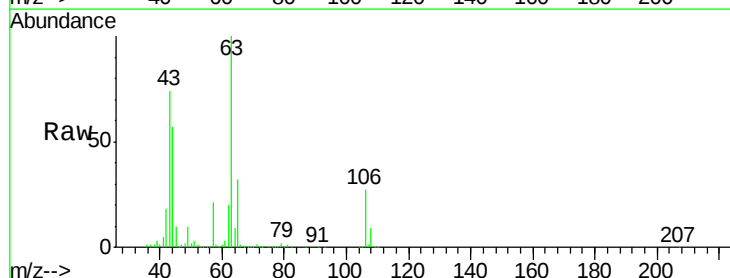
Acq: 31 May 2018 15:25

Tgt Ion: 63 Resp: 611962

Ion Ratio Lower Upper

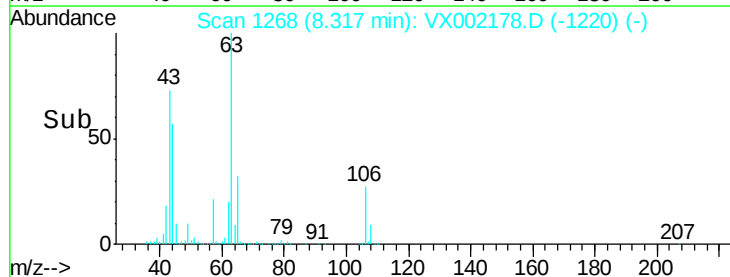
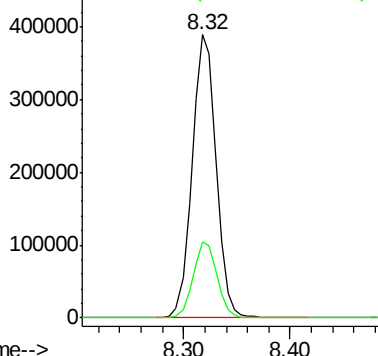
63 100

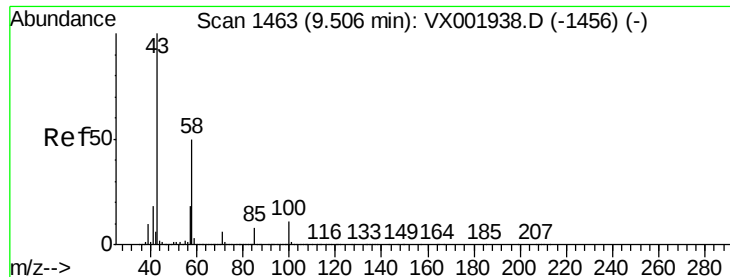
106 26.7 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





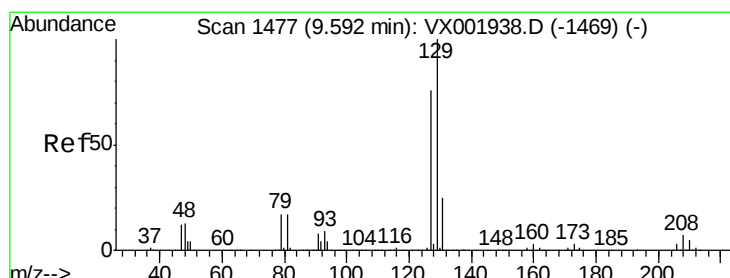
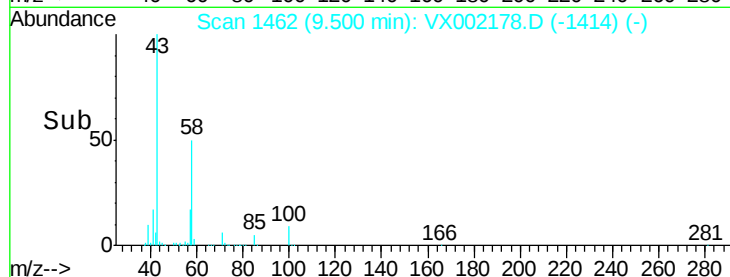
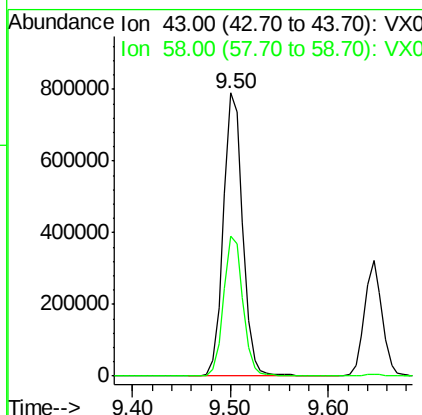
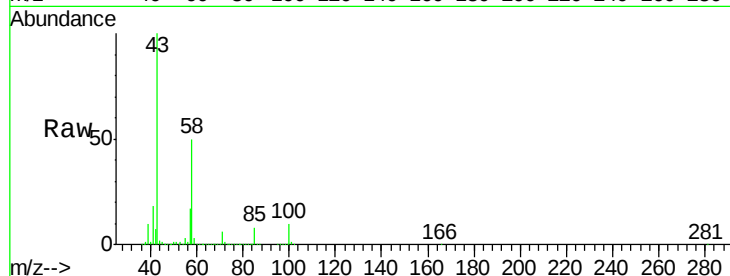
#59
2-Hexanone
Concen: 228.731 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1080426
Ion Ratio Lower Upper
43 100
58 49.7 24.9 74.6

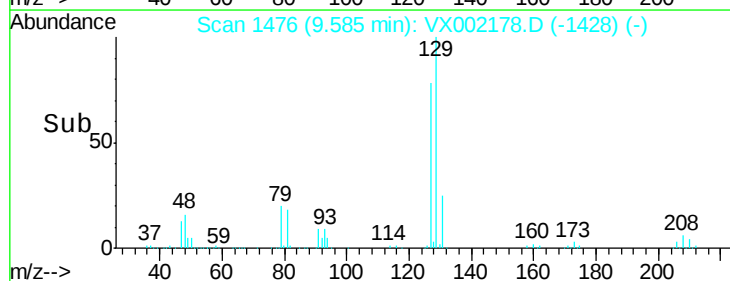
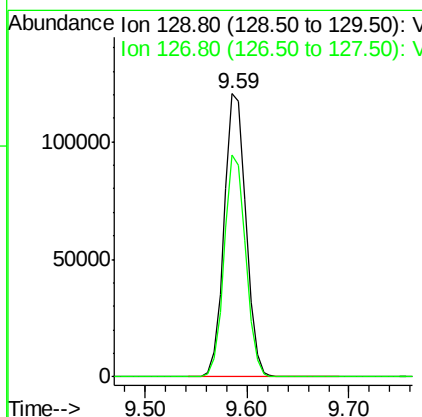
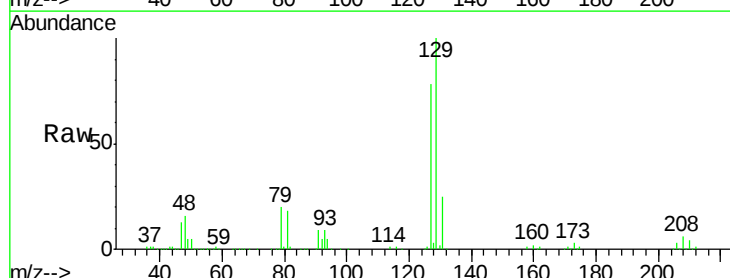
Manual Integrations
APPROVED

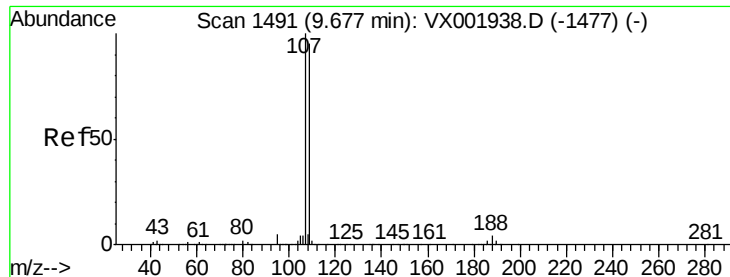
MMDadoda
6/1/2018 6:37:08 PM



#60
Dibromochloromethane
Concen: 41.109 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion:129 Resp: 177424
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 46.599 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 178165

Ion Ratio Lower Upper

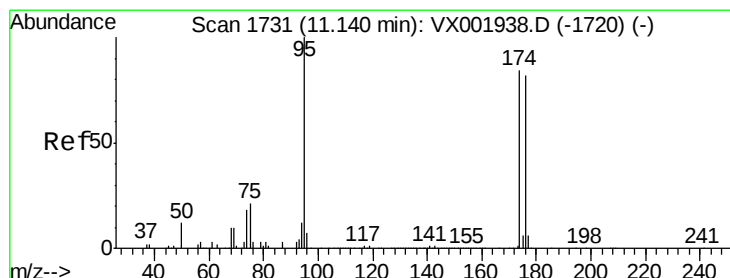
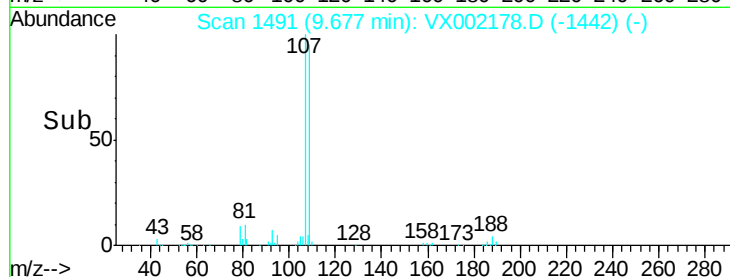
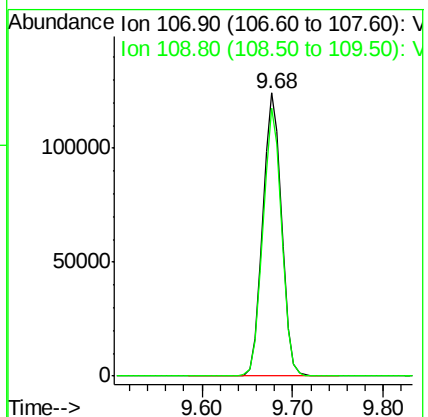
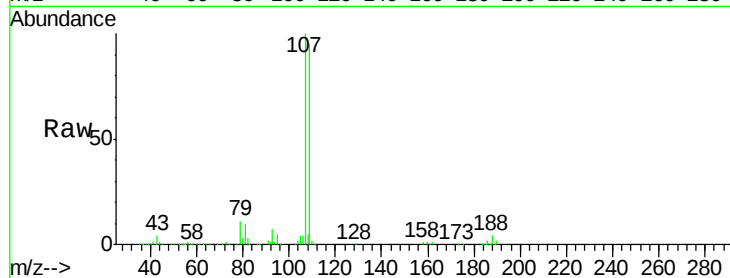
107 100

109 94.0 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#62

4-Bromofluorobenzene

Concen: 42.323 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

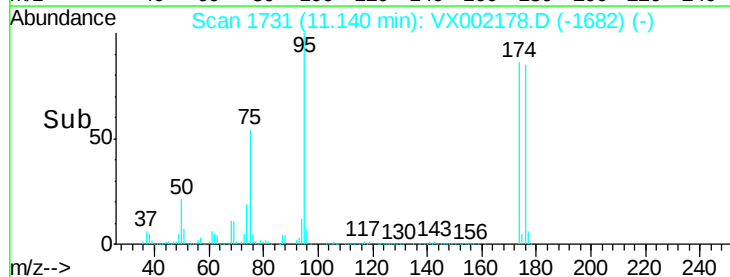
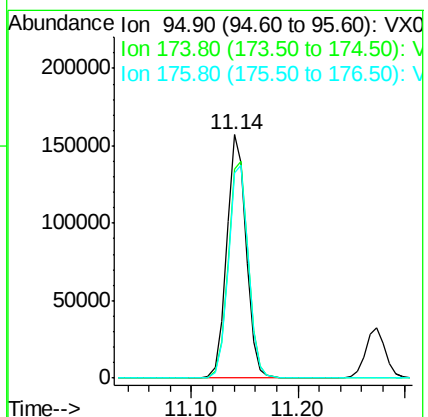
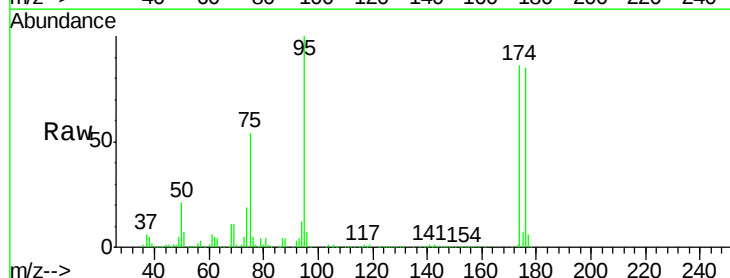
Tgt Ion: 95 Resp: 201630

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.8

176 90.2 0.0 175.6





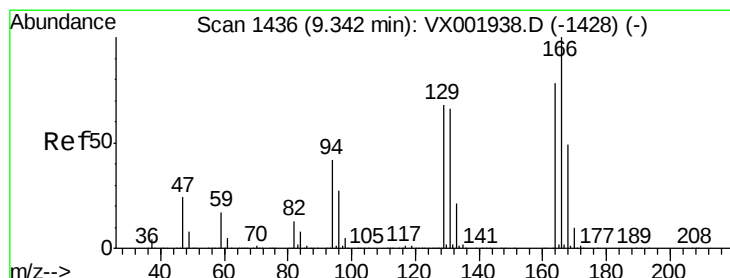
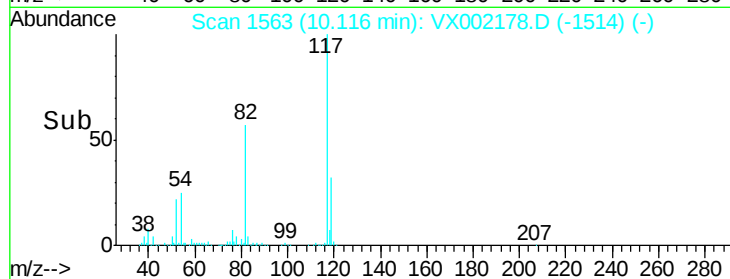
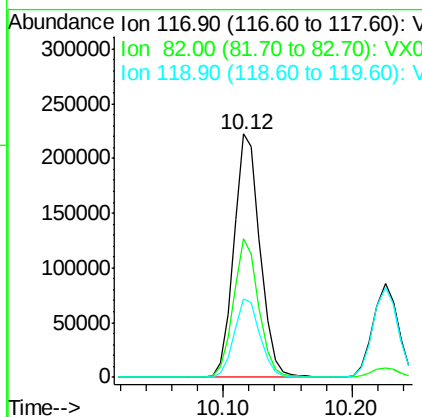
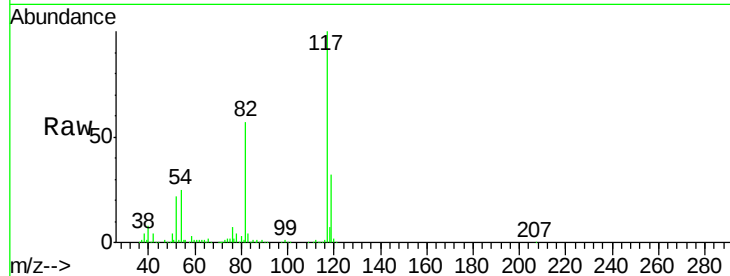
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.8	67.2
119	32.4	25.5	38.3

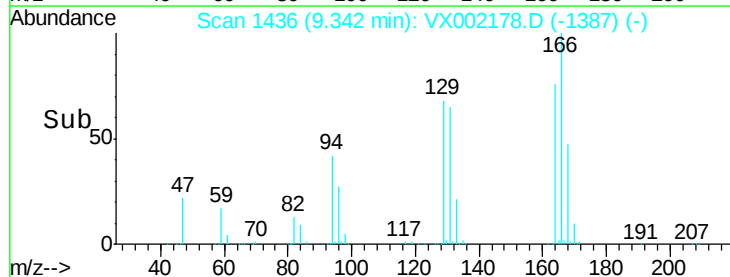
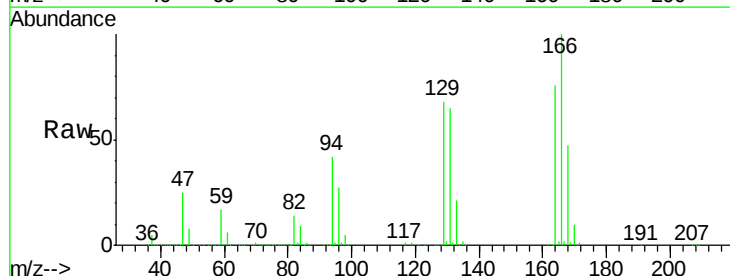
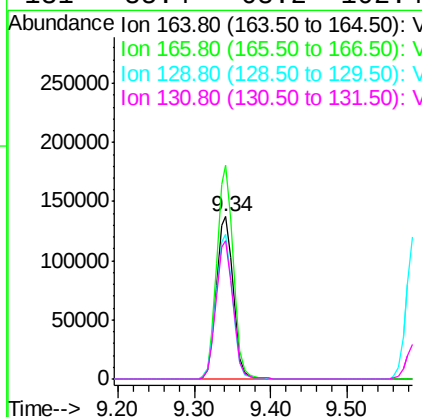
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#64
Tetrachloroethene
Concen: 46.538 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.7	154.1
129	89.1	70.3	105.5
131	85.4	68.2	102.4





#65

Chlorobenzene

Concen: 47.008 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 466933

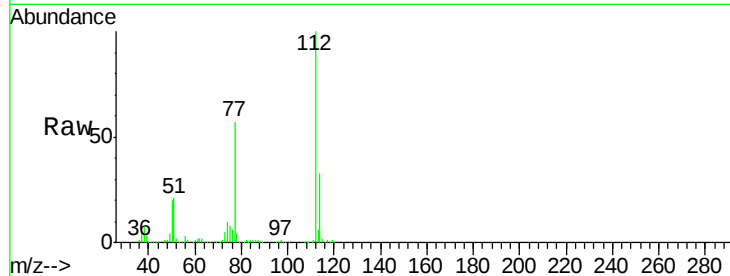
Ion Ratio Lower Upper

112 100

114 32.5 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

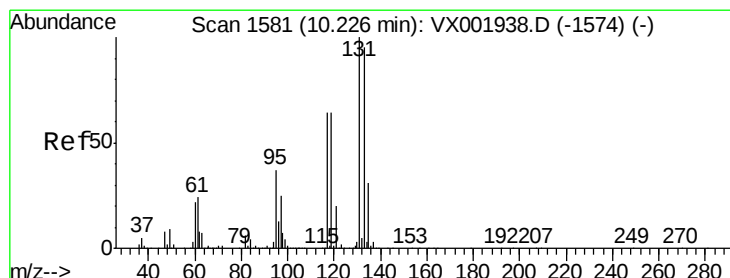
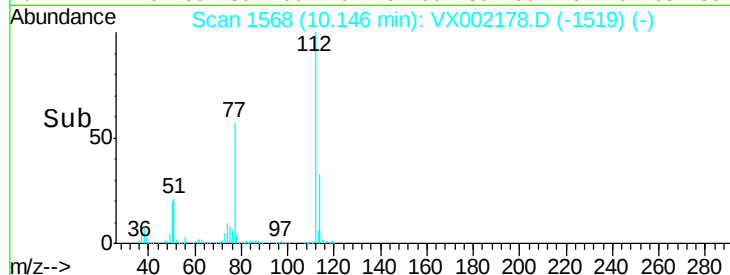
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 43.629 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

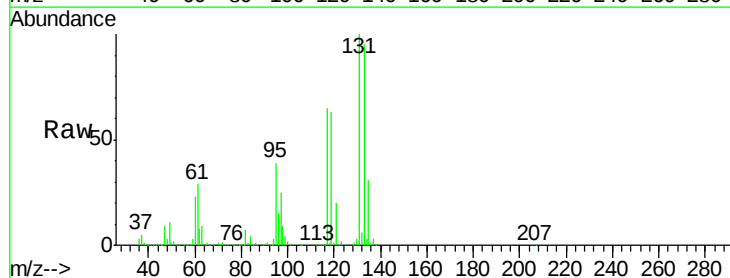
Tgt Ion:131 Resp: 174998

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 63.2 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

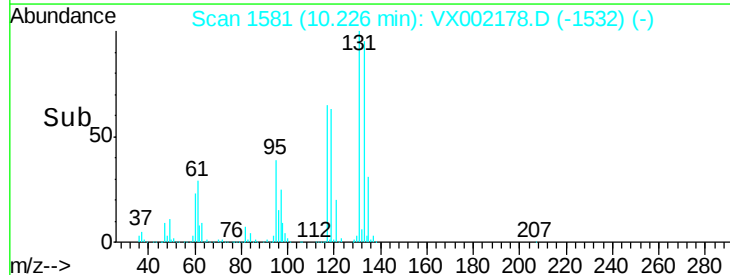
150000

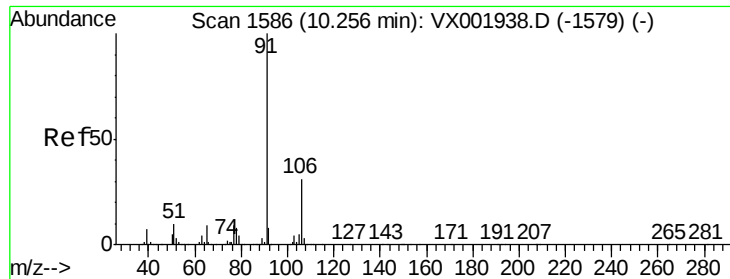
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 47.177 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 814183

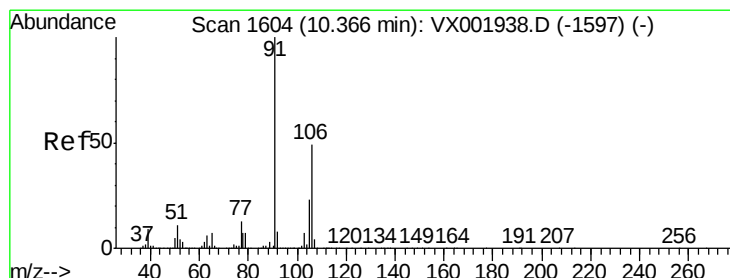
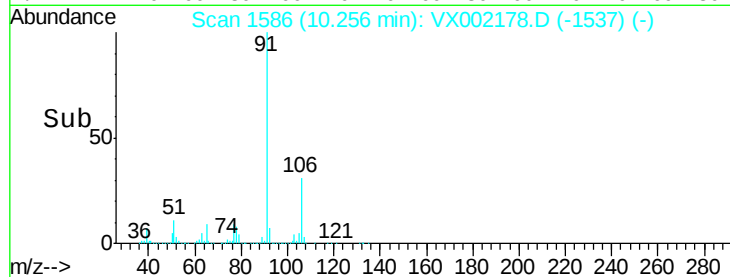
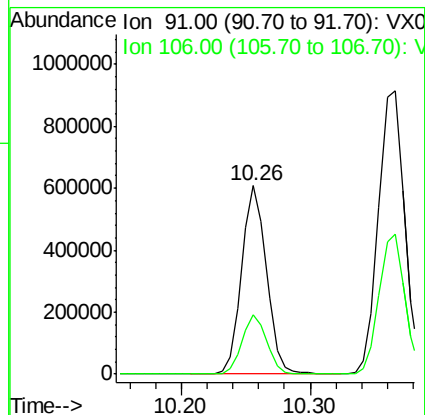
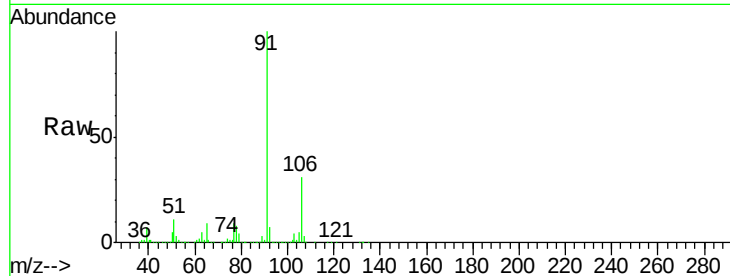
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#68

m/p-Xylenes

Concen: 95.577 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002178.D

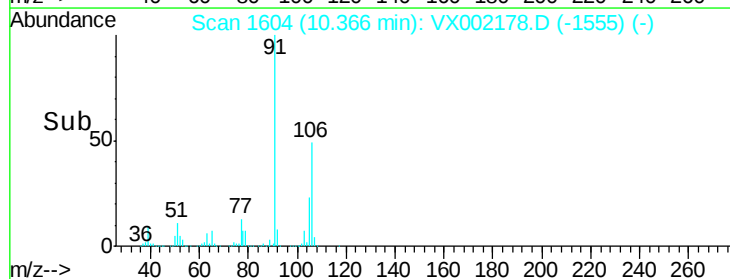
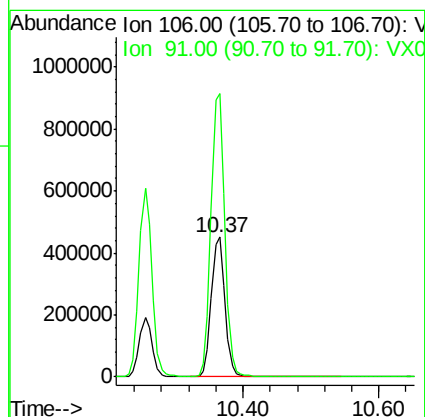
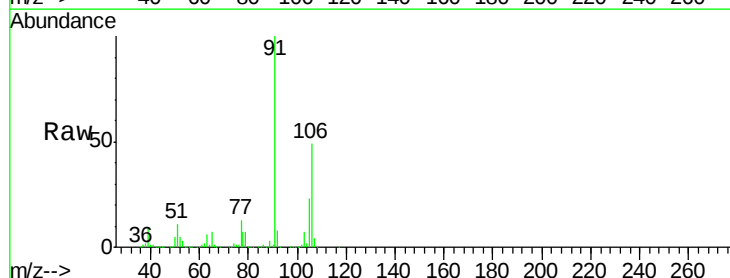
Acq: 31 May 2018 15:25

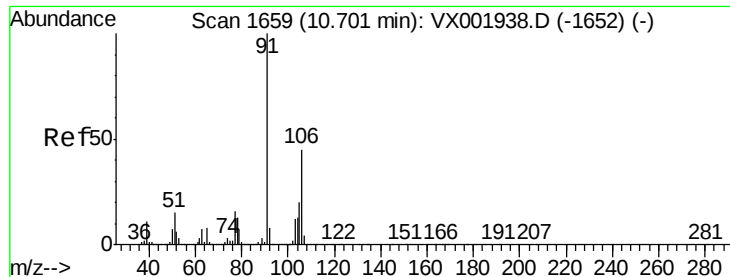
Tgt Ion: 106 Resp: 630538

Ion Ratio Lower Upper

106 100

91 205.2 165.0 247.6





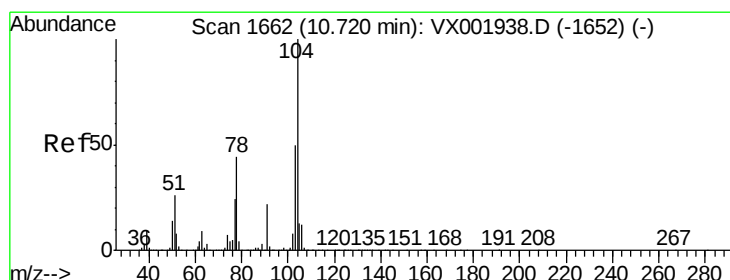
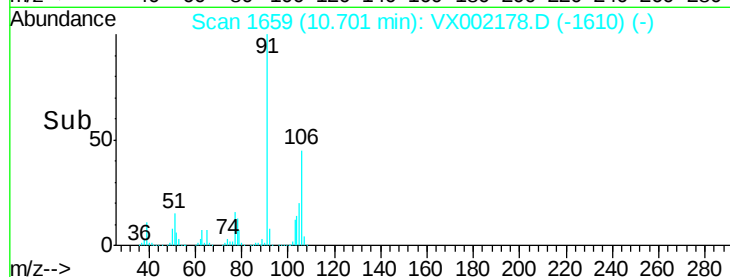
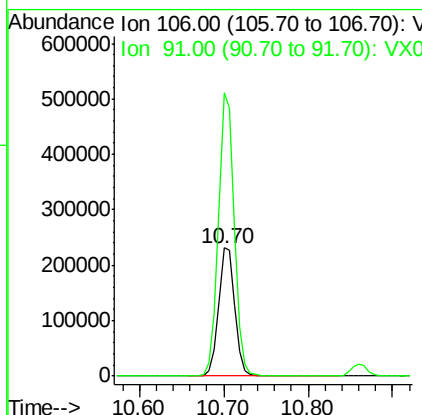
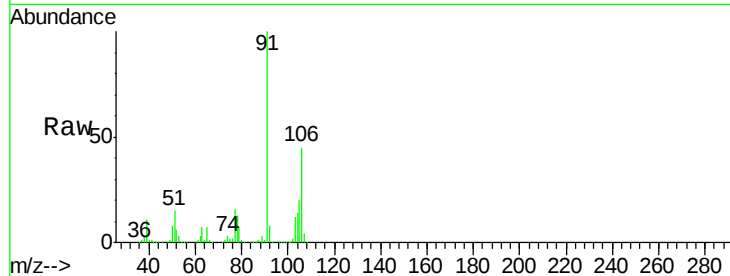
#69
o-Xylene
Concen: 47.048 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.3	108.7	325.9	

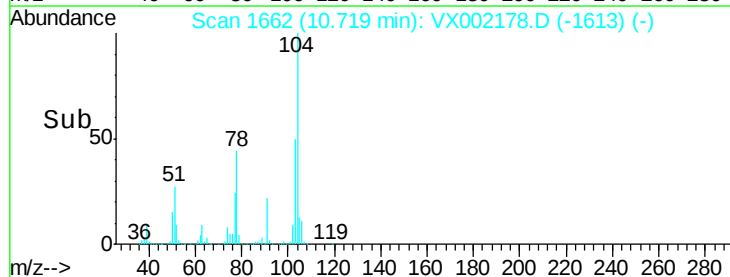
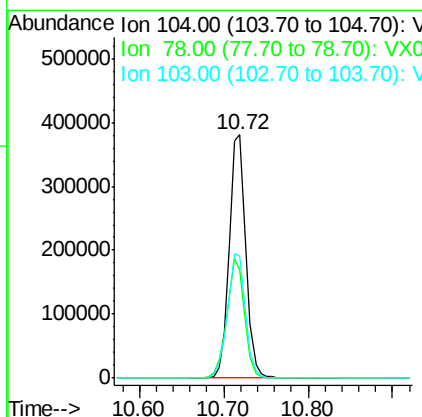
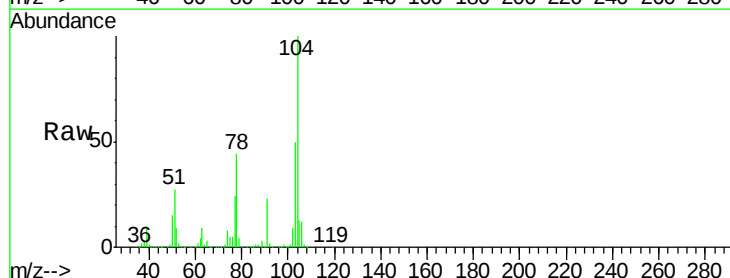
Manual Integrations
APPROVED

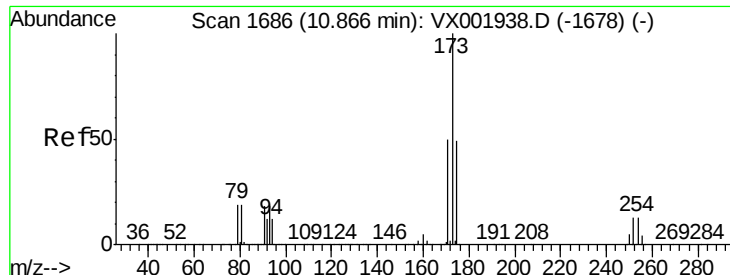
MMDadoda
6/1/2018 6:37:08 PM



#70
Styrene
Concen: 47.159 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.2	41.8	62.6	
103	55.8	44.6	67.0	





#71

Bromoform

Concen: 37.411 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

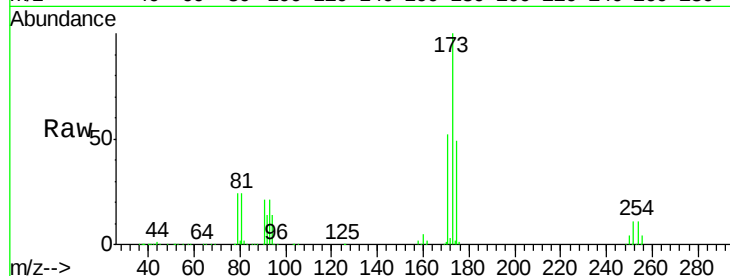
ClientSampled :

VSTDCCC050

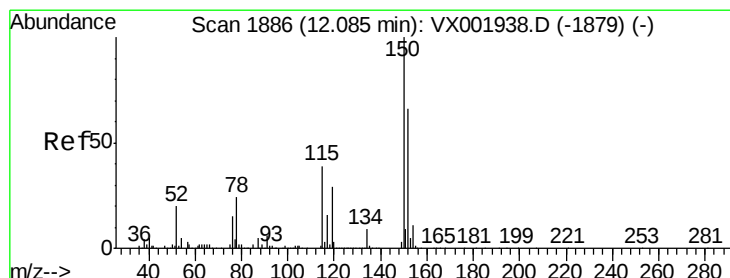
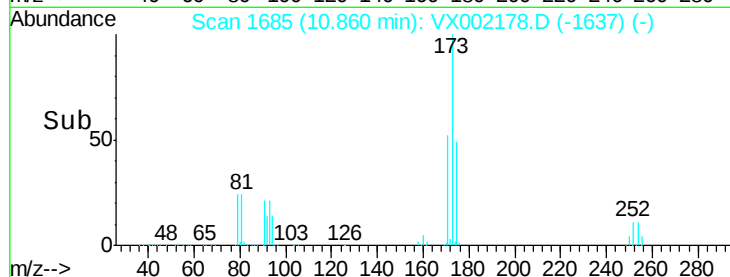
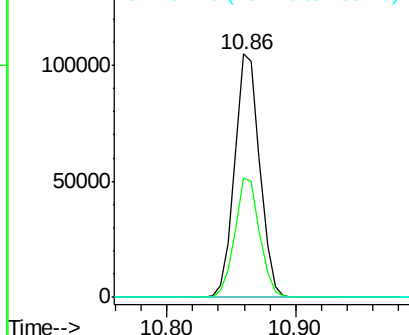
Tot Ion	Ratio	Resp	Lower	Upper
173	100	142287		
175	48.6	24.3	72.9	
254	0.2	0.1	0.1#	

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

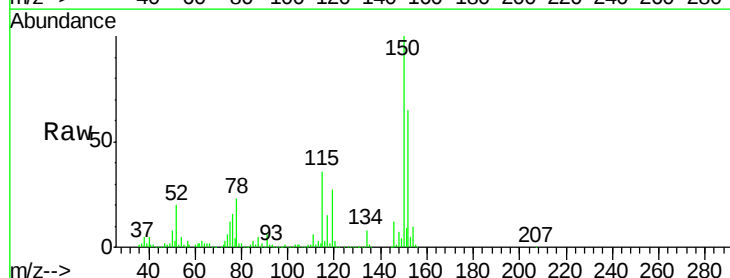
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

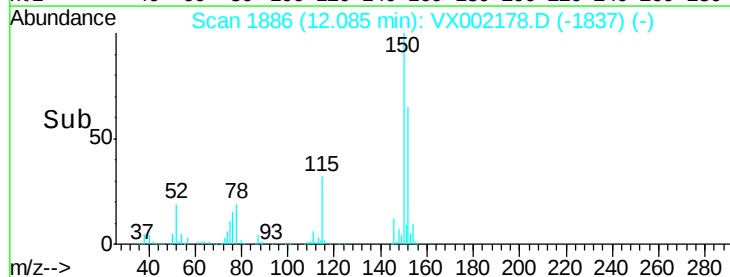
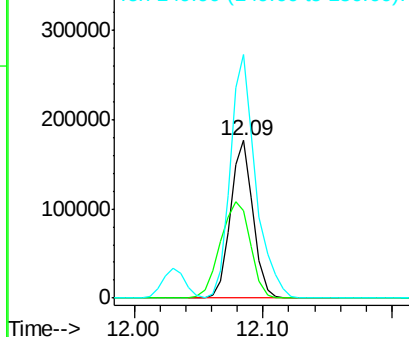
Lab File: VX002178.D

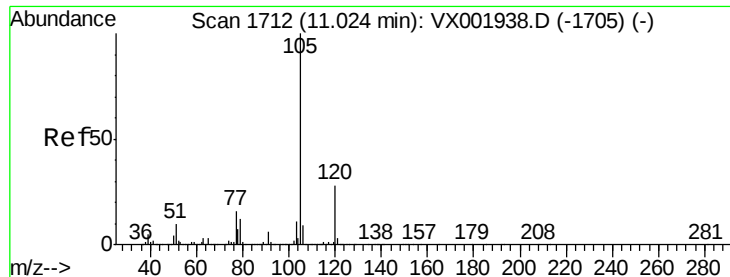
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	215013		
115	82.5	42.3	126.8	
150	174.2	0.0	351.0	



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





#73

Isopropylbenzene

Concen: 46.236 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 841839

Ion Ratio Lower Upper

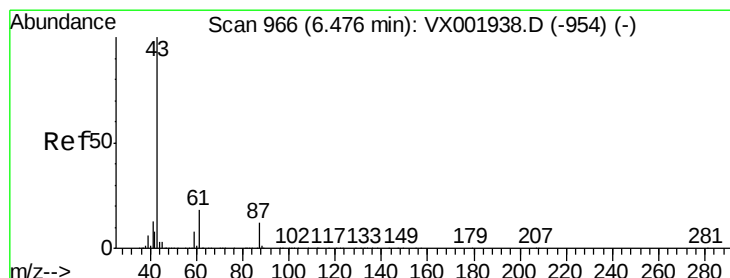
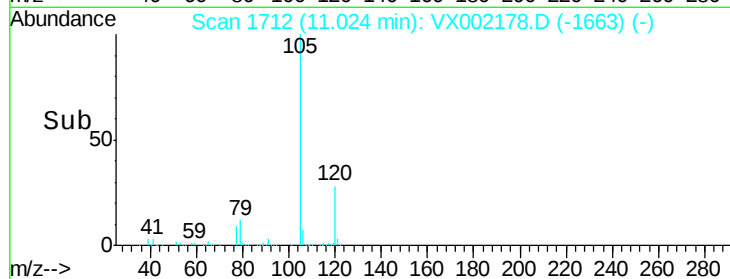
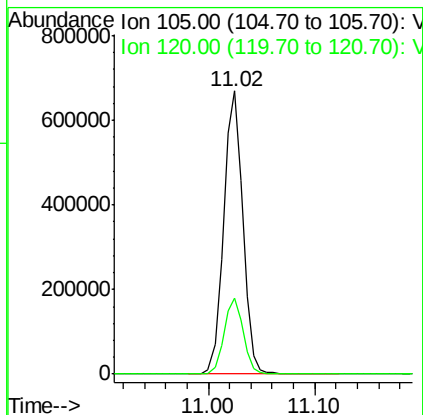
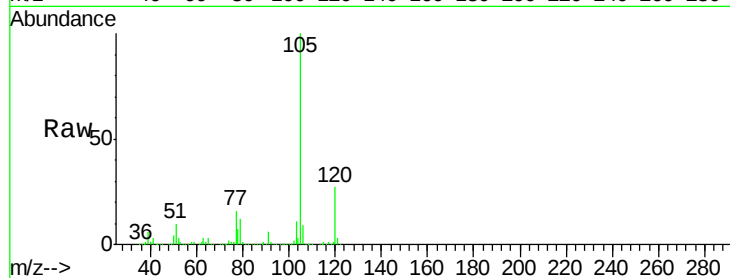
105 100

120 27.0 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#74

N-ethyl acetate

Concen: 46.511 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion: 43 Resp: 441394

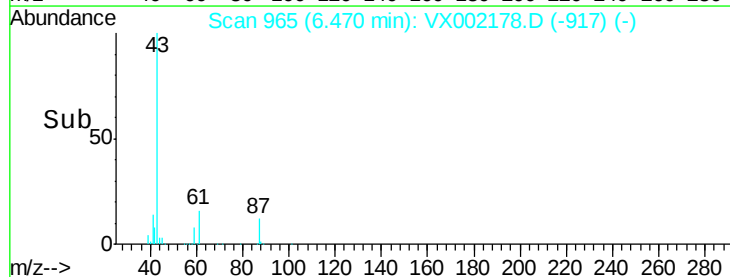
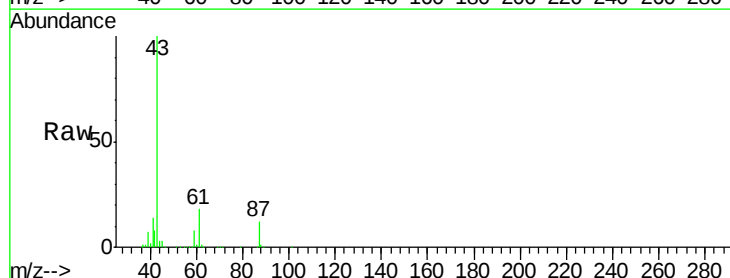
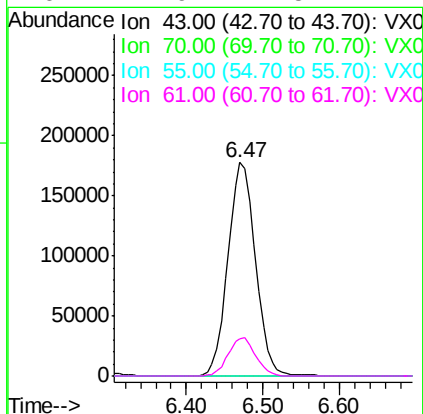
Ion Ratio Lower Upper

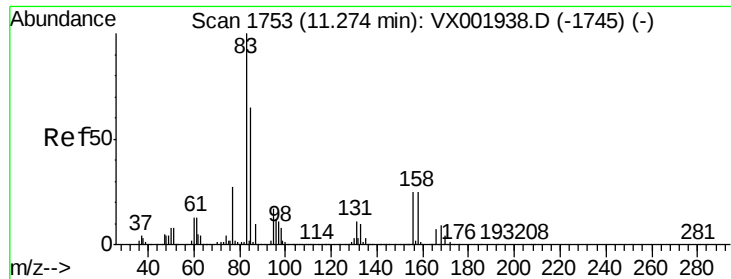
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 17.9 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.452 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

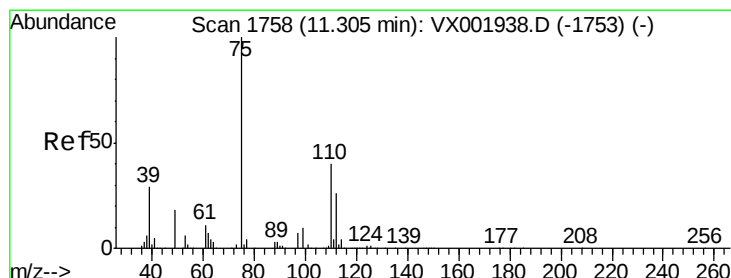
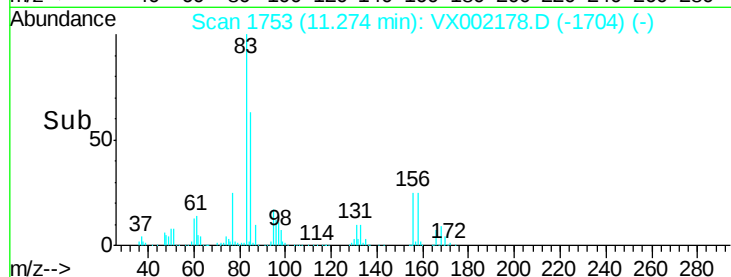
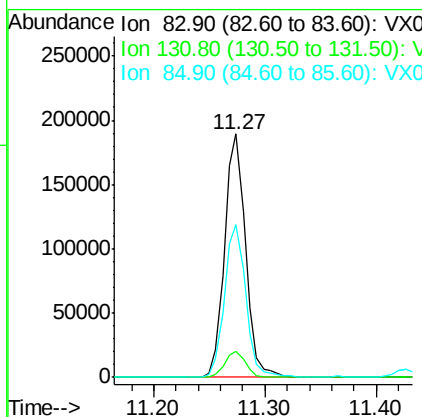
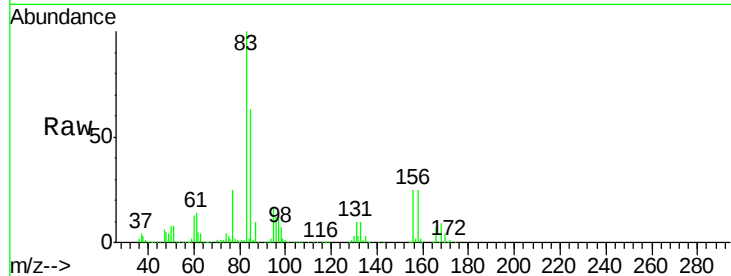
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	246327
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.0
85	63.8	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#76

1,2,3-Trichloropropane

Concen: 42.910 ug/l m

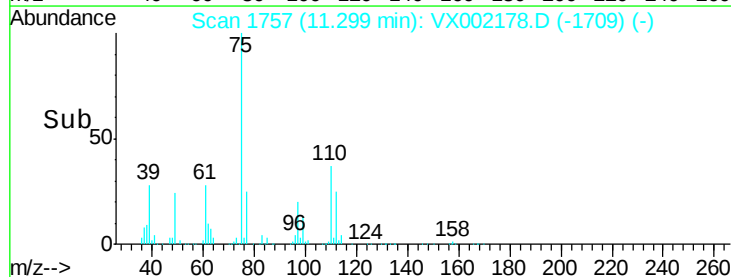
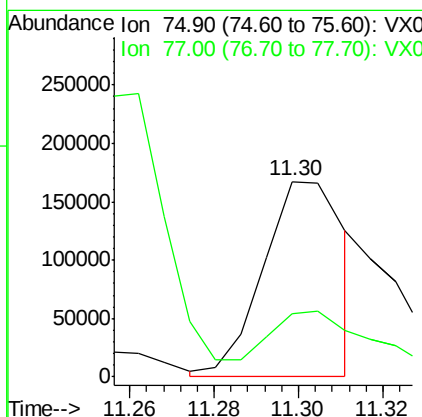
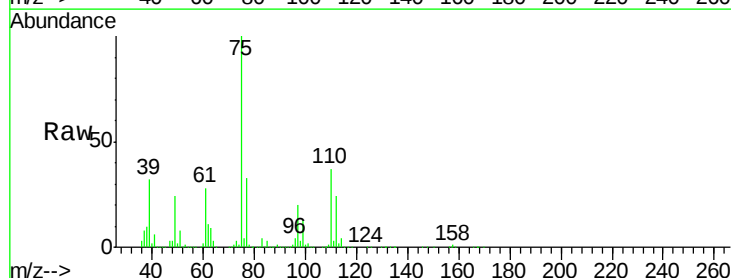
RT: 11.30 min Scan# 1757

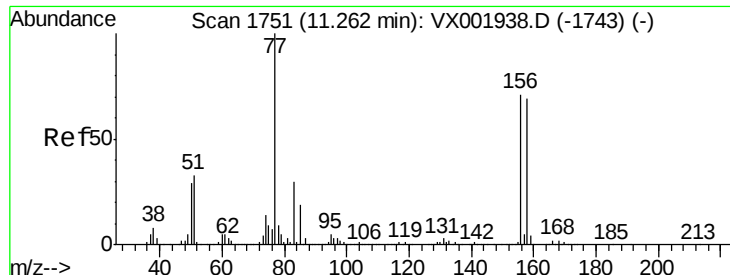
Delta R.T. -0.01 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	75	Resp:	221608
Ion Ratio	Lower	Upper	
75	100		
77	45.8	22.8	68.3





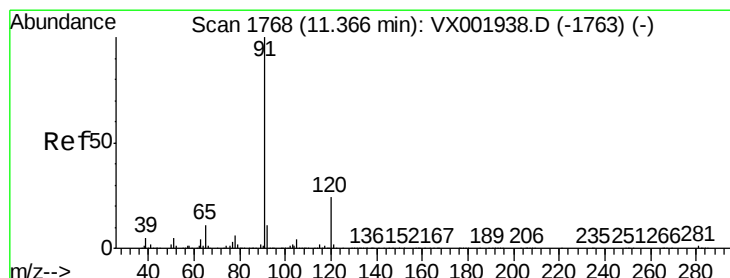
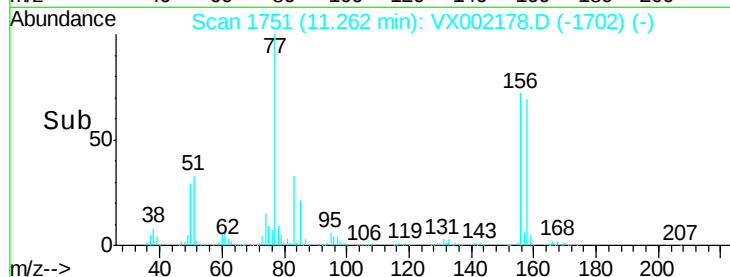
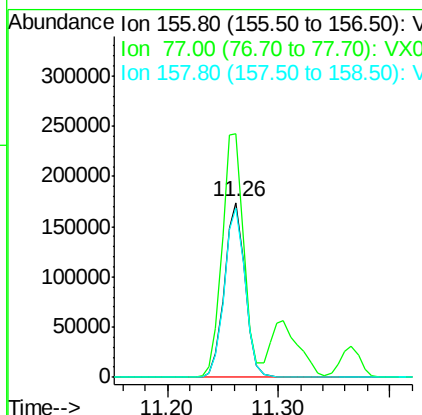
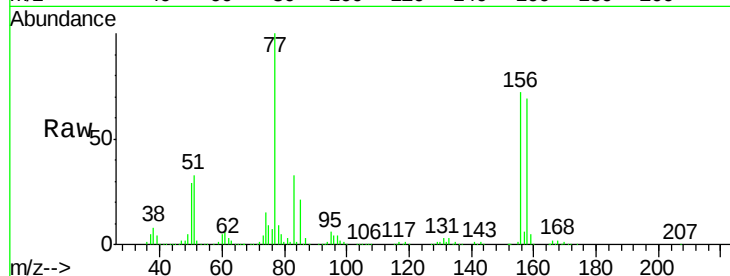
#77
Bromobenzene
Concen: 46.027 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		222344		
77	145.4	75.2	225.6		
158	97.9	48.6	145.8		

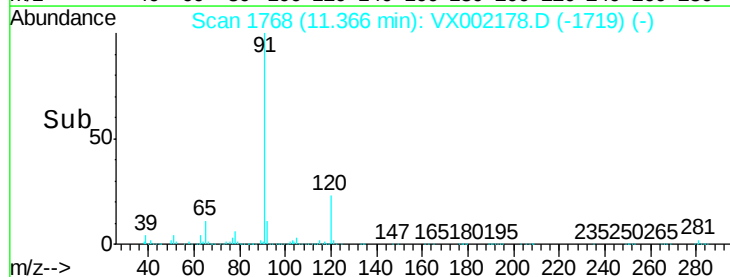
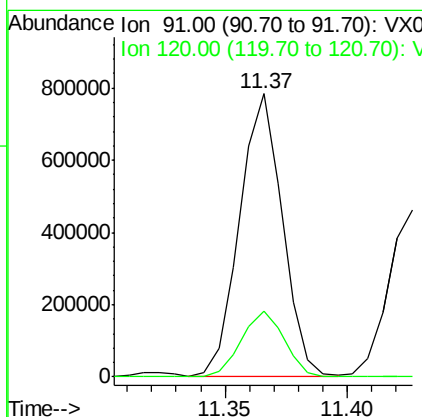
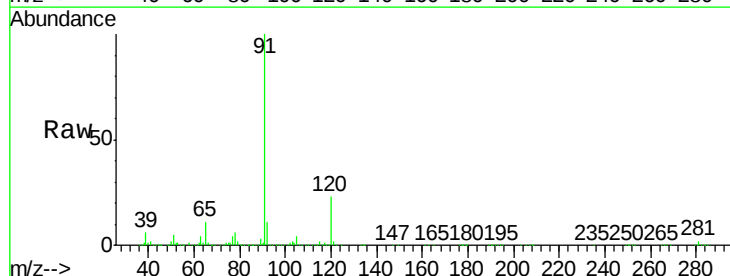
Manual Integrations
APPROVED

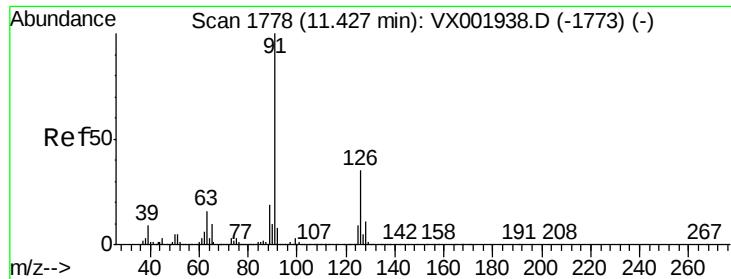
MMDadoda
6/1/2018 6:37:08 PM



#78
n-propylbenzene
Concen: 46.525 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		948750		
120	23.6	11.9	35.7		





#79

2-Chlorotoluene

Concen: 50.942 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 569380

Ion Ratio Lower Upper

91 100

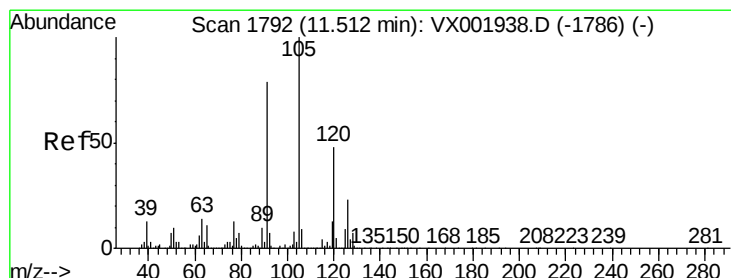
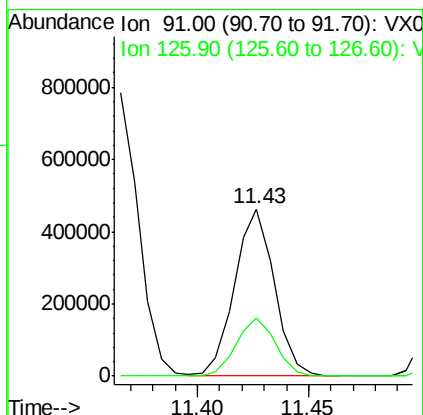
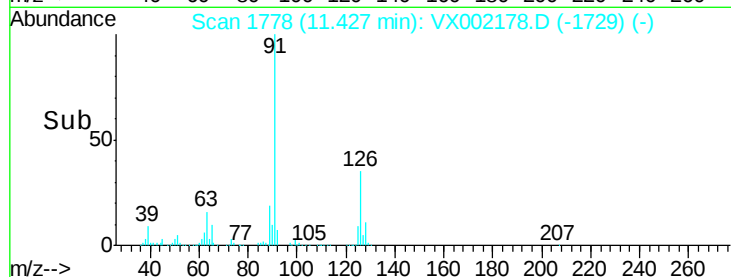
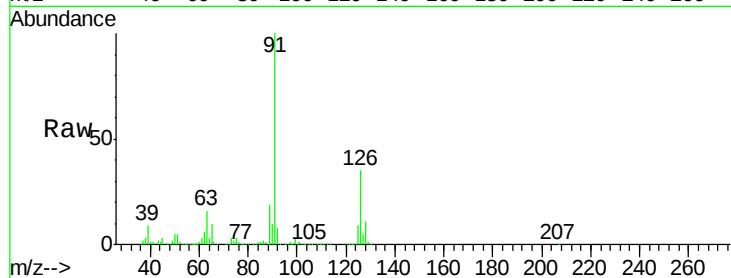
126 35.0 17.4 52.2

Manual Integrations

APPROVED

MMDadoda

6/1/2018 6:37:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.781 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002178.D

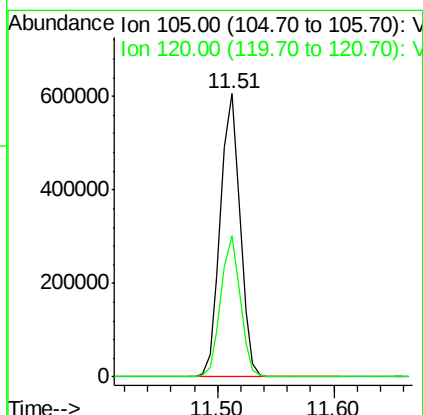
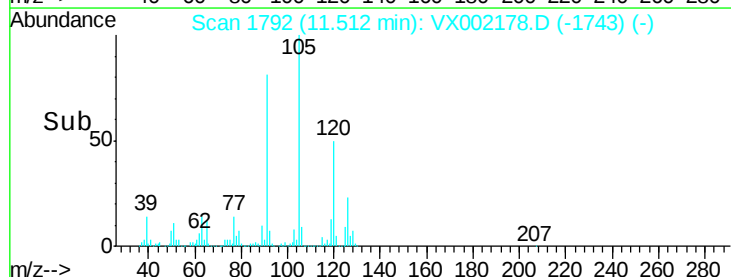
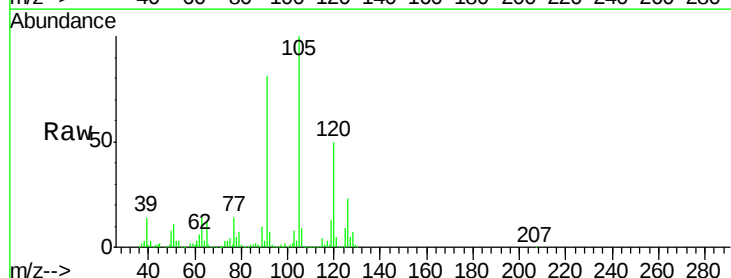
Acq: 31 May 2018 15:25

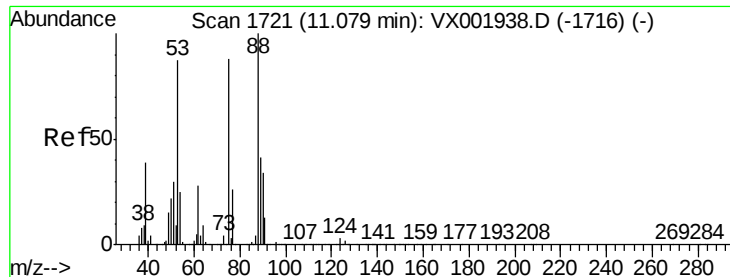
Tgt Ion: 105 Resp: 712358

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4





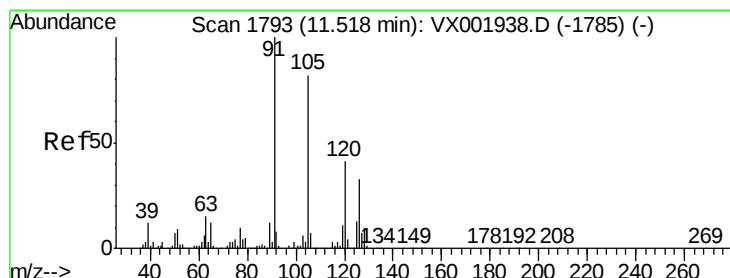
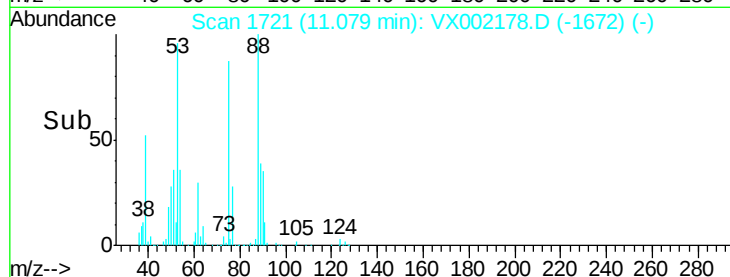
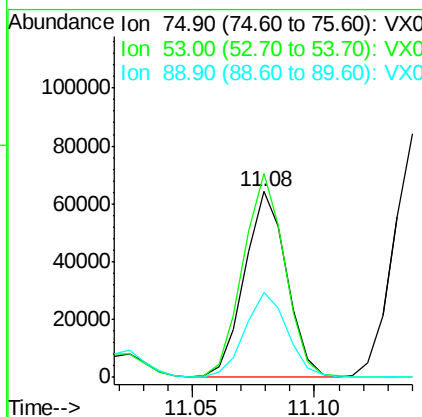
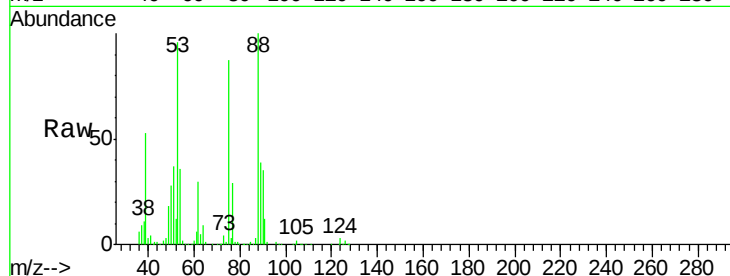
#81
trans-1,4-Dichloro-2-butene
Concen: 35.729 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	78.0	117.0
89	46.7	39.4	59.2

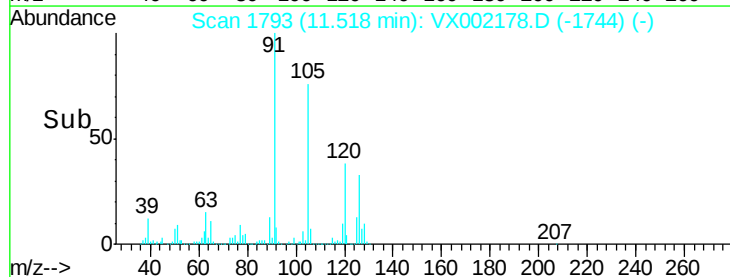
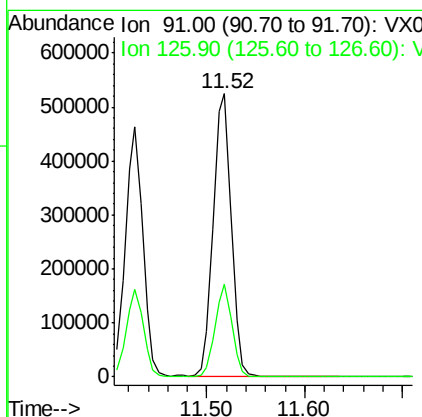
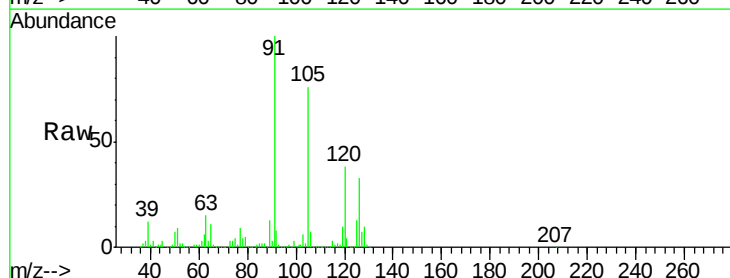
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#82
4-Chlorotoluene
Concen: 46.794 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.8





#83

tert-Butylbenzene

Concen: 45.341 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

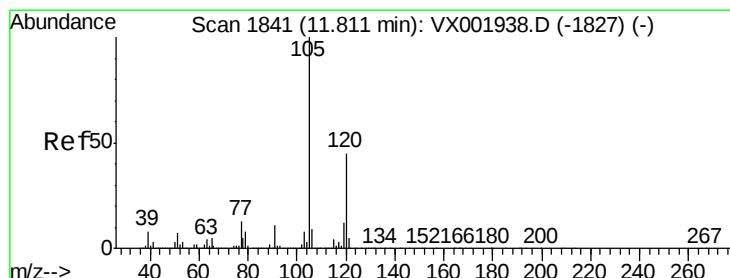
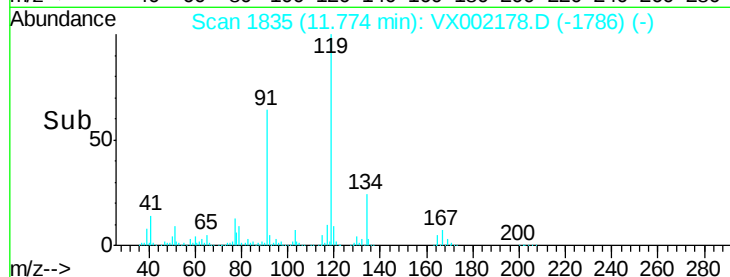
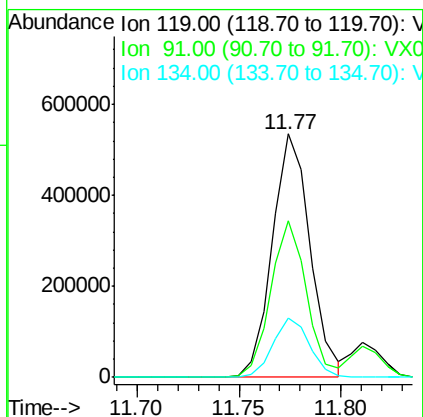
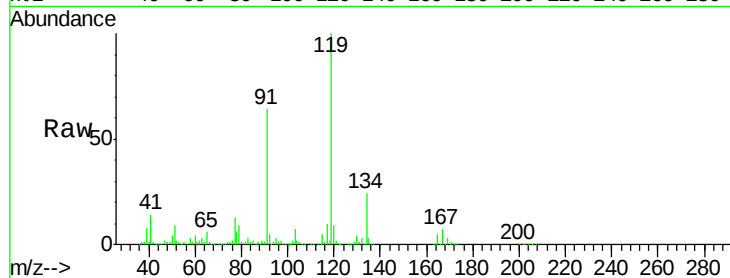
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	692317
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.6	91.8
134	23.8	11.7	35.0

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#84

1,2,4-Trimethylbenzene

Concen: 45.703 ug/l

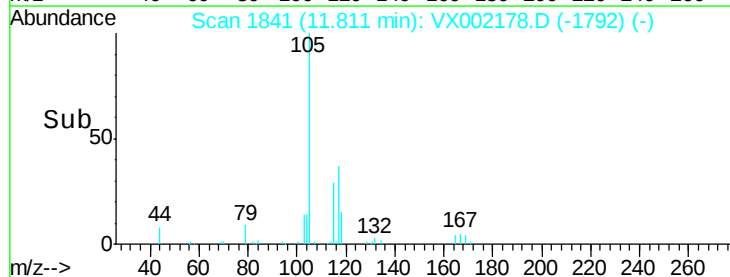
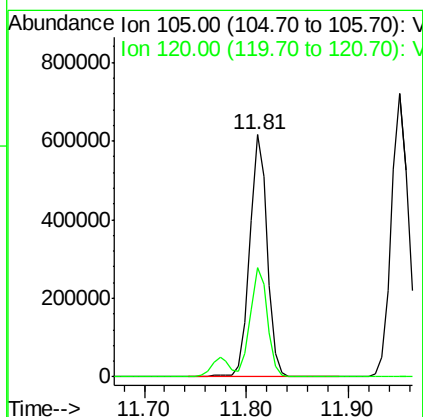
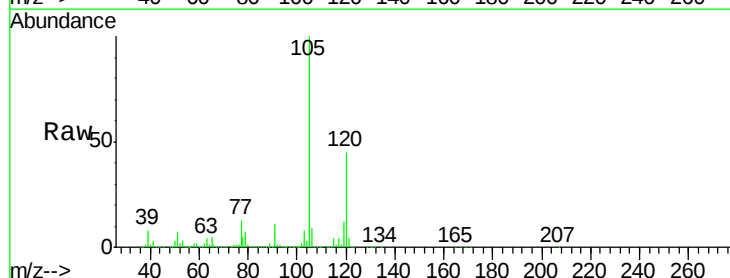
RT: 11.81 min Scan# 1841

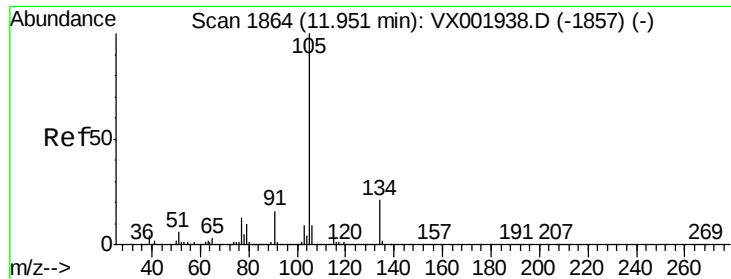
Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	105	Resp:	734884
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 46.658 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 856391

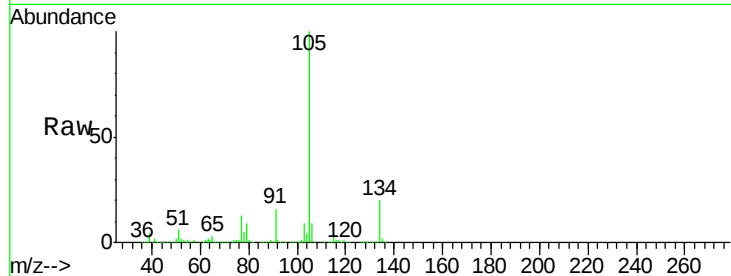
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

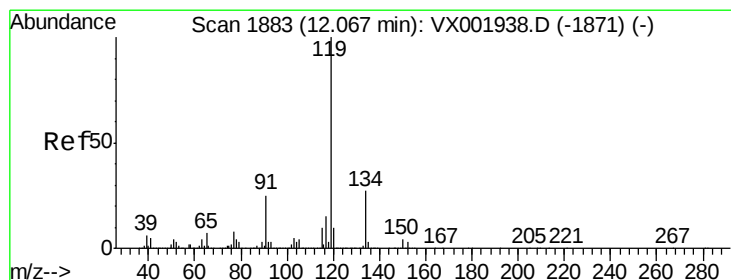
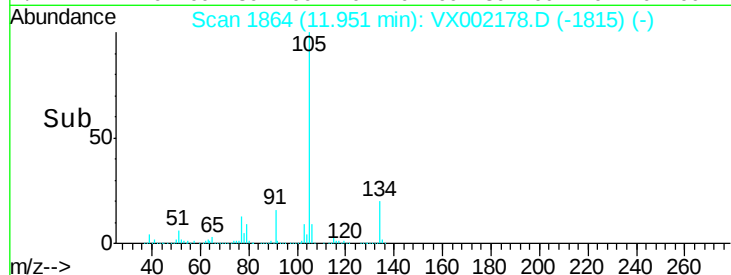
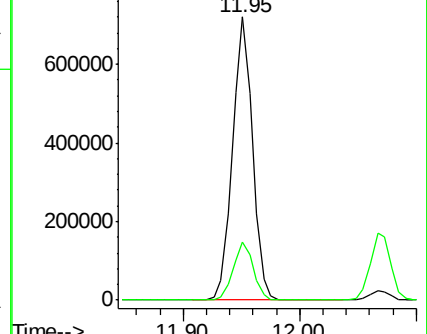
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.745 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

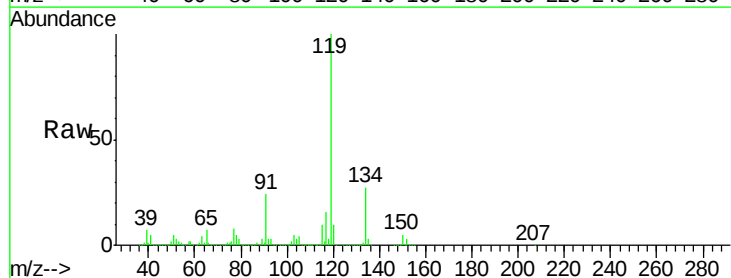
Tgt Ion:119 Resp: 767766

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

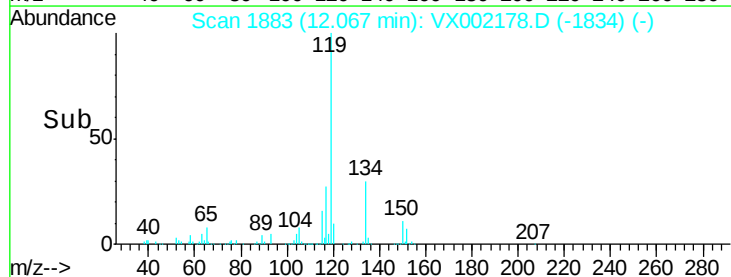
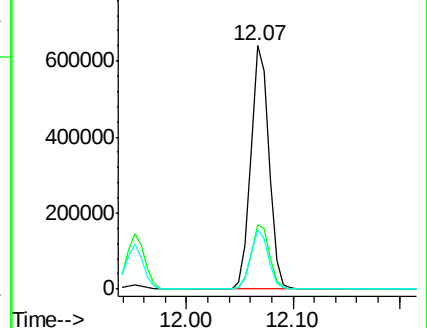
91 24.1 12.2 36.4

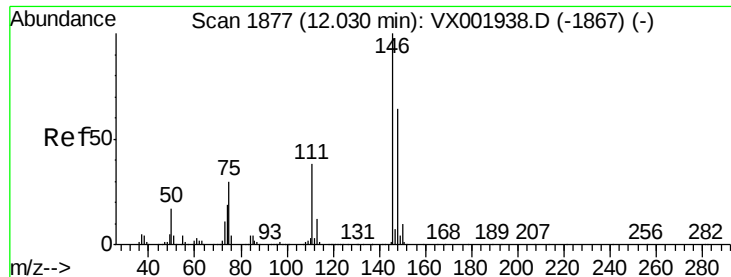


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





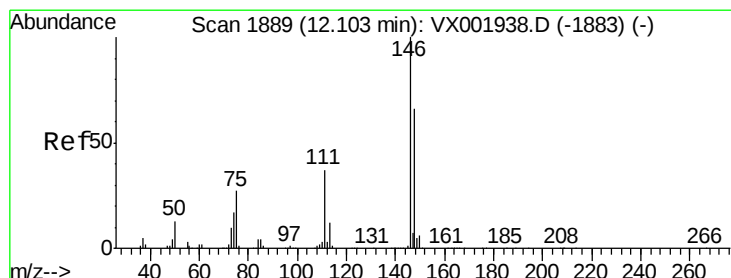
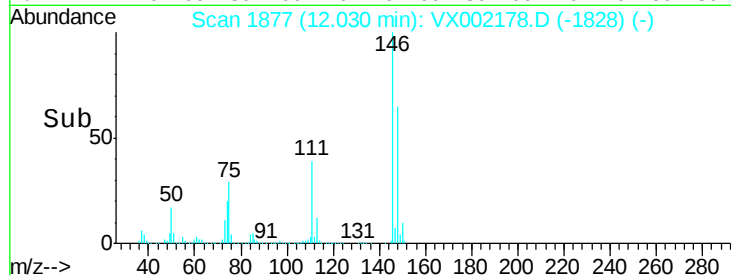
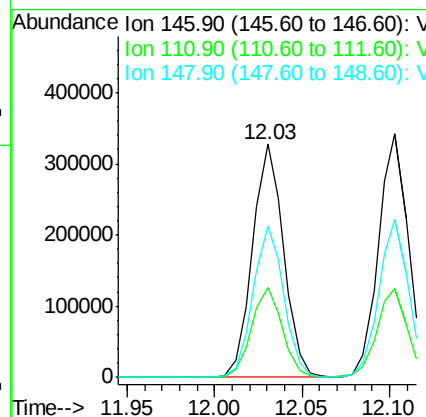
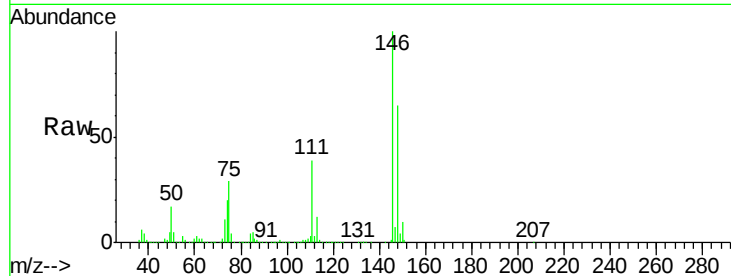
#87
 1,3-Dichlorobenzene
 Concen: 46.577 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.1	32.1	96.3

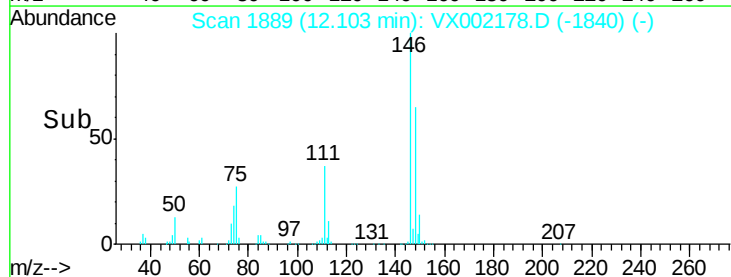
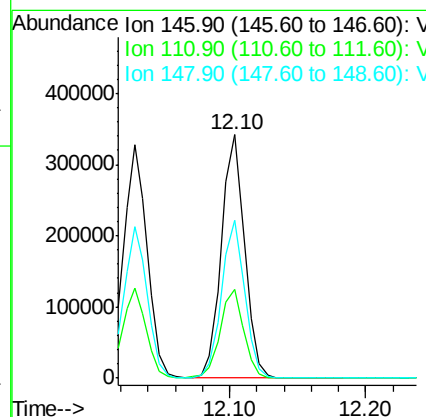
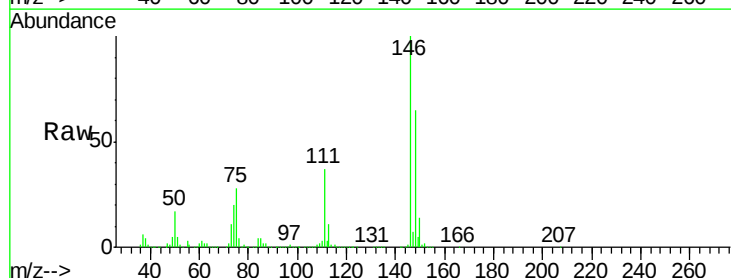
Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.902 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	64.4	32.3	96.8





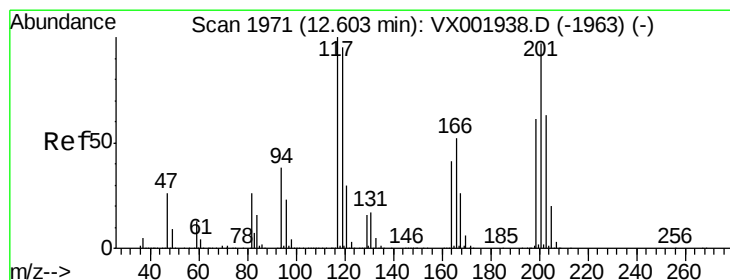
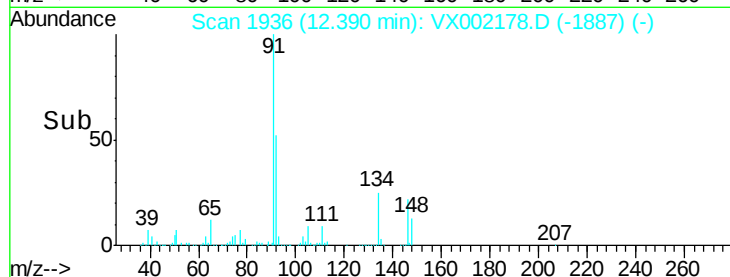
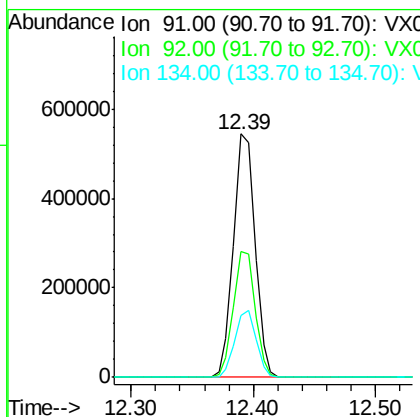
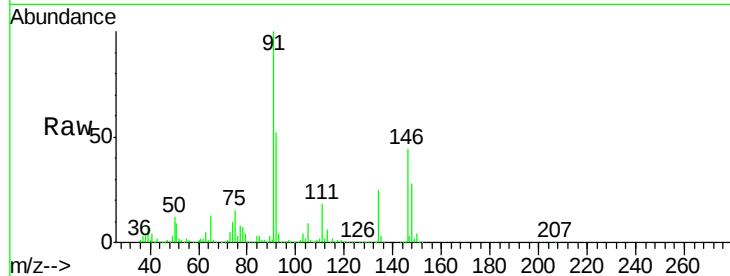
#89
n-Butylbenzene
Concen: 47.625 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	27.1	13.6	40.7

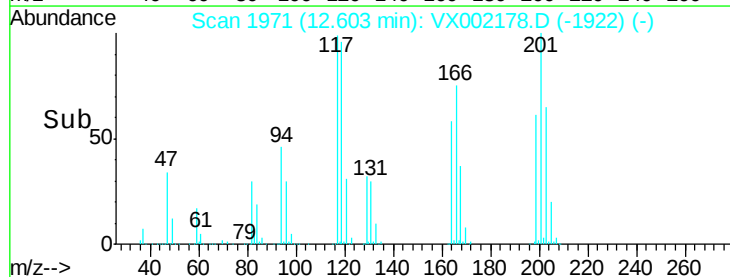
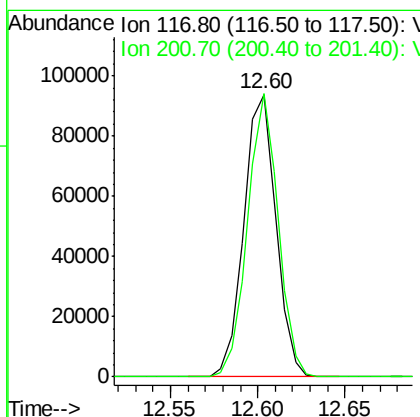
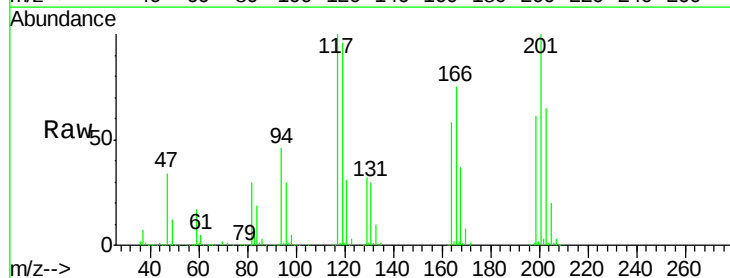
Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#90
Hexachloroethane
Concen: 36.987 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	48.0	144.0





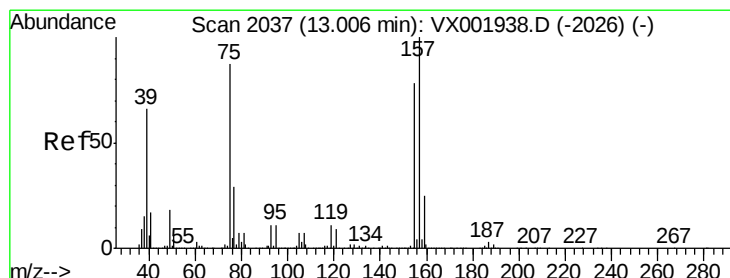
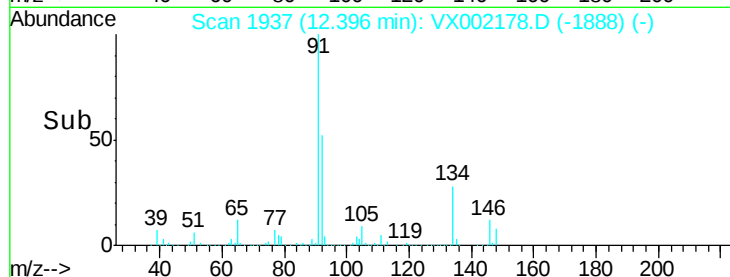
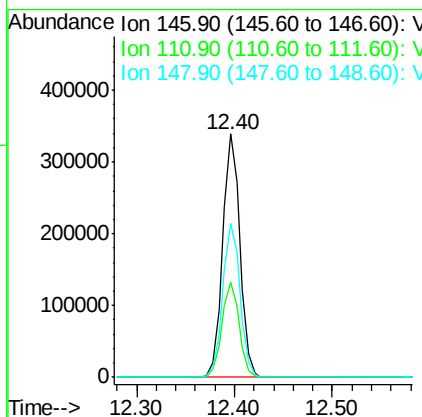
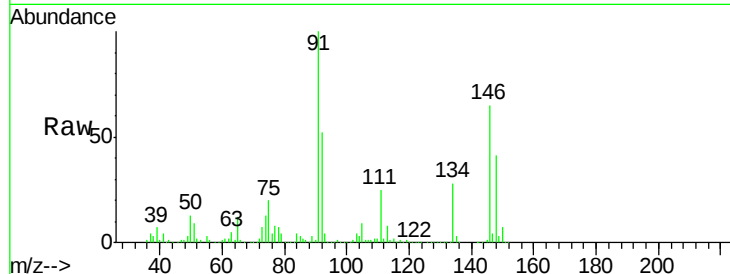
#91
1,2-Dichlorobenzene
Concen: 46.888 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	63.6	32.1	96.5

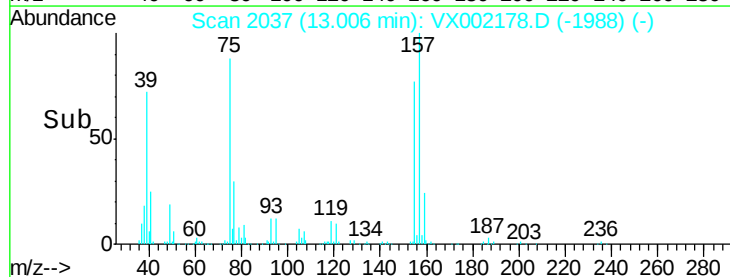
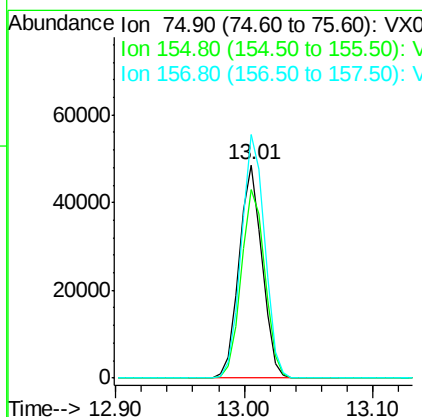
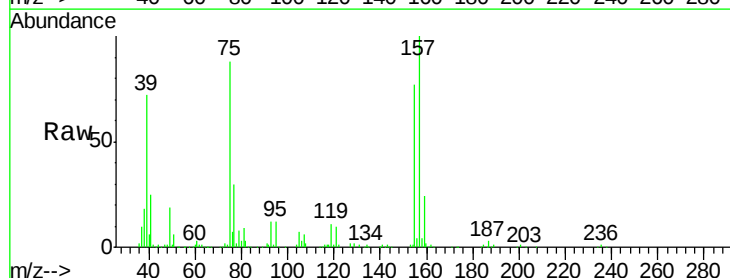
Manual Integrations
APPROVED

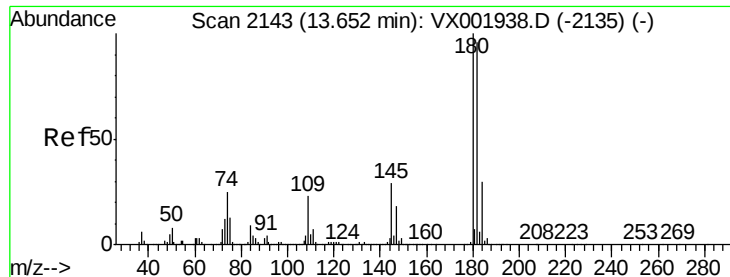
MMDadoda
6/1/2018 6:37:08 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 37.071 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002178.D
Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.1	135.2
157	115.5	58.1	174.2





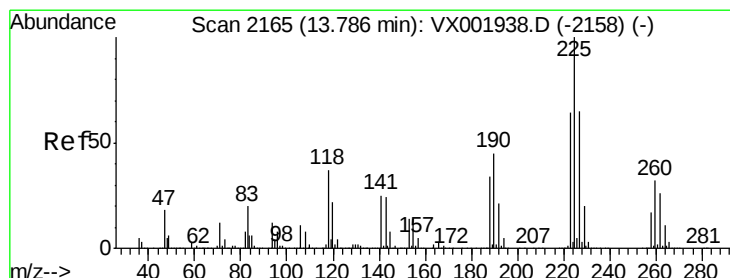
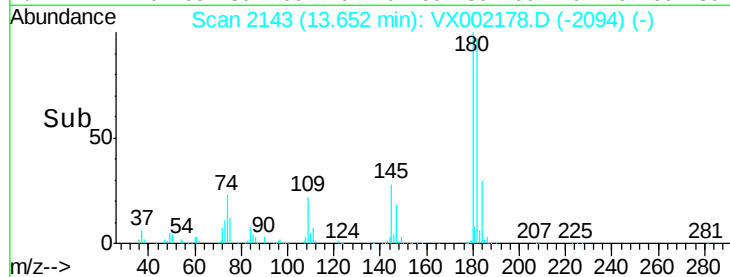
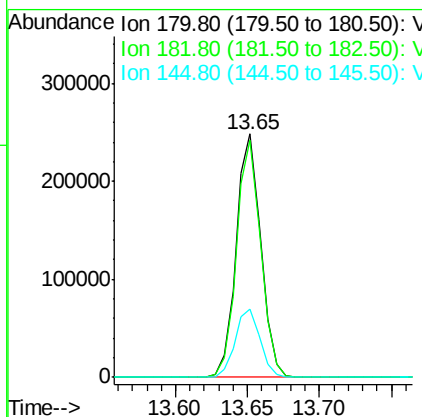
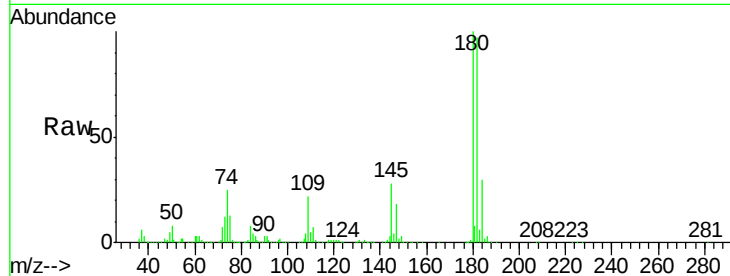
#93
 1,2,4-Trichlorobenzene
 Concen: 46.756 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	294706		
182	96.0	47.7	143.1	
145	28.4	14.4	43.0	

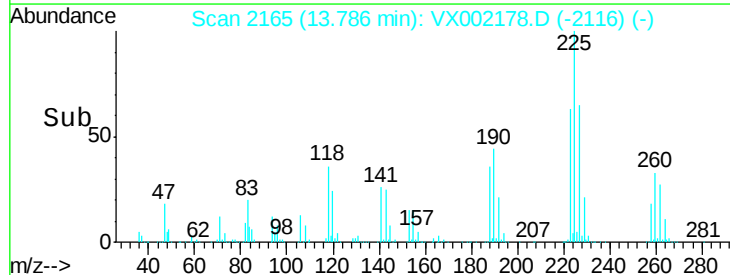
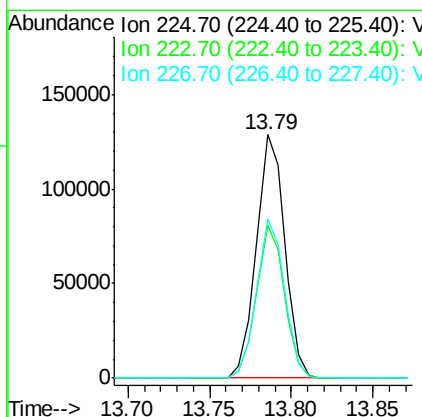
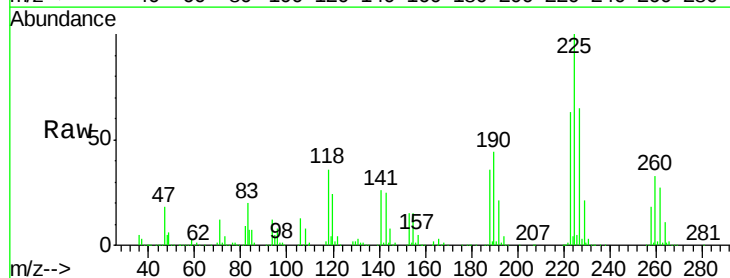
Manual Integrations
 APPROVED

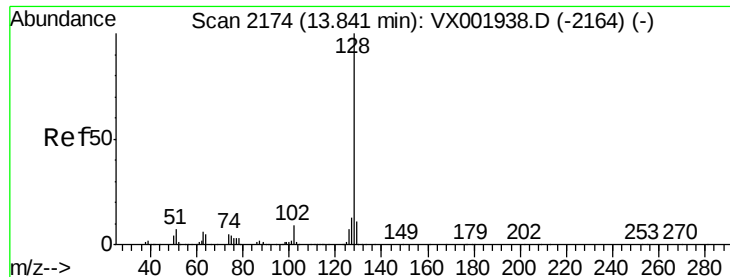
MMDadoda
 6/1/2018 6:37:08 PM



#94
 Hexachlorobutadiene
 Concen: 46.244 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002178.D
 Acq: 31 May 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156793		
223	61.7	31.1	93.5	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 45.682 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Instrument :

MSVOA_X

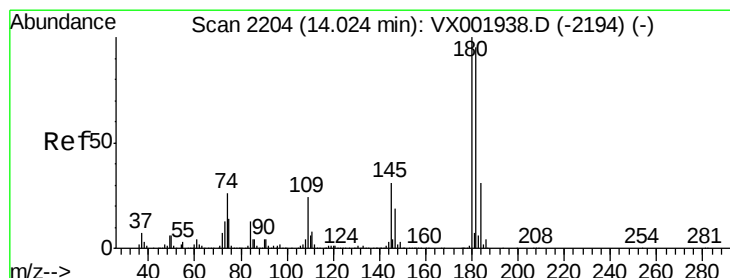
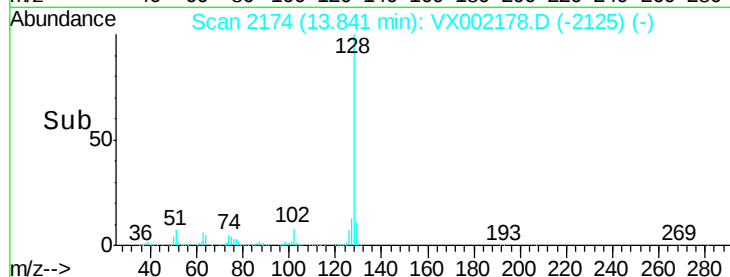
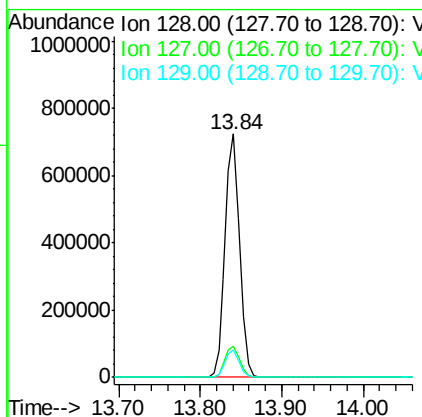
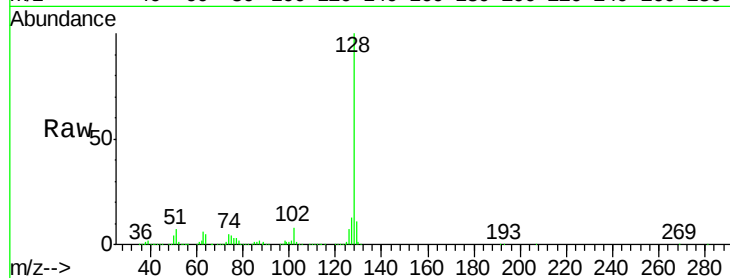
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	887099
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/1/2018 6:37:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.432 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002178.D

Acq: 31 May 2018 15:25

Tgt Ion:	180	Resp:	302825
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	29.5	15.1	45.3

