

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003614.D
 Acq On : 23 Jul 2018 19:36
 Operator : JC/SP
 Sample : J4048-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:40 PM

Quant Time: Jul 24 08:27:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385641	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	169701	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	5.51	113	157901	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	8.72	98	581598	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	213280	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107960	50.88	ug/l	100
3) Chloromethane	1.32	50	141831	54.00	ug/l	100
4) Vinyl Chloride	1.40	62	162513	47.85	ug/l	97
5) Bromomethane	1.64	94	72940	54.19	ug/l	97
6) Chloroethane	1.72	64	106055	52.77	ug/l	99
7) Trichlorofluoromethane	1.93	101	233328	51.49	ug/l	98
8) Diethyl Ether	2.19	74	101015	51.91	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	144799	48.83	ug/l	98
10) Methyl Iodide	2.51	142	205569	57.70	ug/l	93
11) Tert butyl alcohol	3.08	59	166620	266.07	ug/l	99
12) 1,1-Dichloroethene	2.37	96	141801	51.93	ug/l #	78
13) Acrolein	2.29	56	54482	192.55	ug/l	99
14) Allyl chloride	2.73	41	241840	50.03	ug/l	86
15) Acrylonitrile	3.15	53	429699	269.51	ug/l	98
16) Acetone	2.45	43	332643	278.27	ug/l #	88
17) Carbon Disulfide	2.57	76	356730	48.31	ug/l	98
18) Methyl Acetate	2.78	43	202187	53.65	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	486847	54.60	ug/l	99
20) Methylene Chloride	2.86	84	161284	55.27	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	150270	49.46	ug/l	94
22) Diisopropyl ether	3.88	45	484758	53.29	ug/l	92
23) Vinyl Acetate	3.83	43	1869456	249.51	ug/l	95
24) 1,1-Dichloroethane	3.70	63	282805	52.99	ug/l	99
25) 2-Butanone	4.71	43	545268	271.87	ug/l	92
26) 2,2-Dichloropropane	4.59	77	143759	35.47	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	175200	51.79	ug/l	91
28) Bromochloromethane	5.03	49	118391	50.75	ug/l	86
29) Tetrahydrofuran	5.17	42	365499	275.87	ug/l	91
30) Chloroform	5.22	83	284618	54.62	ug/l	98
31) Cyclohexane	5.57	56	239917	50.32	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	244938	54.89	ug/l	97
36) 1,1-Dichloropropene	5.80	75	206878	49.69	ug/l	97
37) Ethyl Acetate	4.87	43	198927	50.49	ug/l	95
38) Carbon Tetrachloride	5.78	117	220294	53.94	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003614.D
 Acq On : 23 Jul 2018 19:36
 Operator : JC/SP
 Sample : J4048-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:40 PM

Quant Time: Jul 24 08:27:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240561	48.78	ug/l	95
40) Benzene	6.15	78	669374	53.25	ug/l	100
41) Methacrylonitrile	5.07	41	121093	52.29	ug/l	91
42) 1,2-Dichloroethane	6.20	62	213413	53.88	ug/l	94
43) Isopropyl Acetate	6.47	43	332931	53.12	ug/l #	93
44) Trichloroethene	7.22	130	190263	50.75	ug/l	100
45) 1,2-Dichloropropane	7.53	63	173704	54.42	ug/l	99
46) Dibromomethane	7.67	93	112230	54.61	ug/l	95
47) Bromodichloromethane	7.90	83	215734	57.34	ug/l	98
48) Methyl methacrylate	7.78	41	182420	57.72	ug/l	85
49) 1,4-Dioxane	7.76	88	72631	1014.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1179421	297.87	ug/l	92
52) Toluene	8.79	92	419319	52.99	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	242034	52.27	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	225027	54.04	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	173877	55.22	ug/l	98
56) Ethyl methacrylate	9.18	69	257135	57.98	ug/l #	83
57) 1,3-Dichloropropane	9.38	76	279202	54.86	ug/l	100
59) 2-Hexanone	9.50	43	878904	299.60	ug/l	89
60) Dibromochloromethane	9.59	129	179036	57.44	ug/l	100
61) 1,2-Dibromoethane	9.68	107	178273	54.62	ug/l	99
64) Tetrachloroethene	9.34	164	218204	48.53	ug/l	100
65) Chlorobenzene	10.14	112	480072	50.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	176630	53.99	ug/l	99
67) Ethyl Benzene	10.26	91	801694	52.44	ug/l	100
68) m/p-Xylenes	10.36	106	622469	103.86	ug/l	97
69) o-Xylene	10.70	106	301847	52.08	ug/l	97
70) Stvrene	10.71	104	517213	54.25	ug/l	97
71) Bromoform	10.86	173	141186	55.55	ug/l #	99
73) Isopropylbenzene	11.02	105	814705	52.40	ug/l	99
74) N-amyl acetate	6.47	43	332931	50.43	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	250399	54.95	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	219261m	54.29	ug/l	
77) Bromobenzene	11.26	156	224447	50.19	ug/l	97
78) n-propylbenzene	11.37	91	912893	52.82	ug/l	99
79) 2-Chlorotoluene	11.43	91	541357	51.59	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	671980	52.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	64047	45.27	ug/l	88
82) 4-Chlorotoluene	11.51	91	632881	51.48	ug/l	98
83) tert-Butylbenzene	11.77	119	662809	52.96	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	694429	53.41	ug/l	98
85) sec-Butylbenzene	11.95	105	806236	53.04	ug/l	99
86) p-Isopropyltoluene	12.07	119	710224	52.06	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	404837	49.25	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	405669	47.90	ug/l	99
89) n-Butylbenzene	12.39	91	585318	50.53	ug/l	98
90) Hexachloroethane	12.60	117	103307	53.27	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	411687	50.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	51600	58.19	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	291202	49.04	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072318\
Data File : VX003614.D
Acq On : 23 Jul 2018 19:36
Operator : JC/SP
Sample : J4048-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

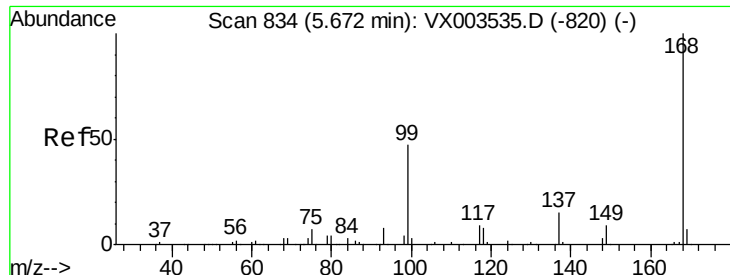
Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM

Quant Time: Jul 24 08:27:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	135563	47.47	ug/l	98
95) Naphthalene	13.83	128	863888	55.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	297974	50.69	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampled :

YT-MW-7MSD

Tot Ion:168 Resp: 267351

Ion Ratio Lower Upper

168 100

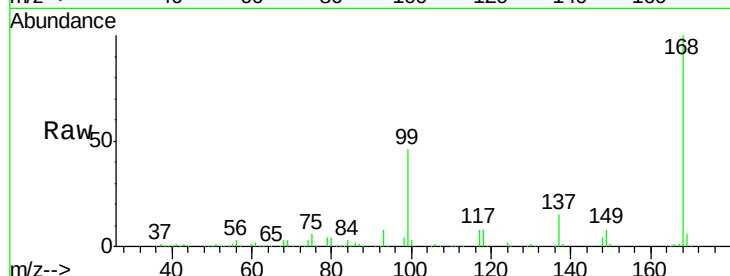
99 45.8 39.3 58.9

Manual Integrations

APPROVED

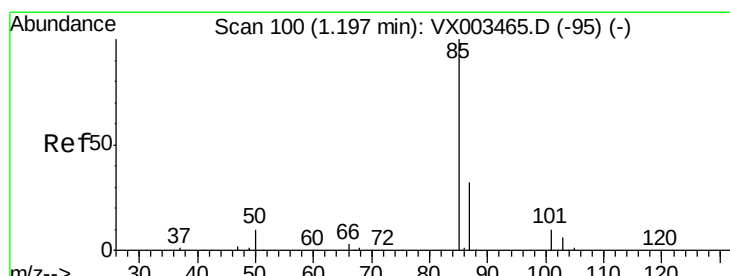
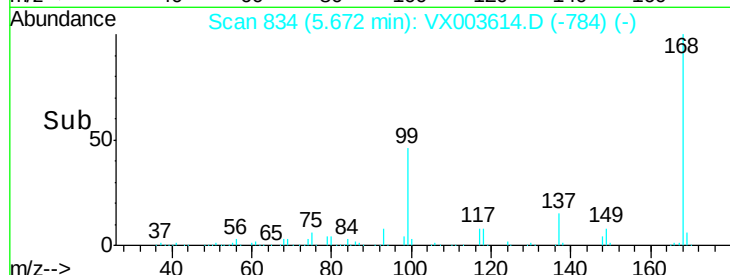
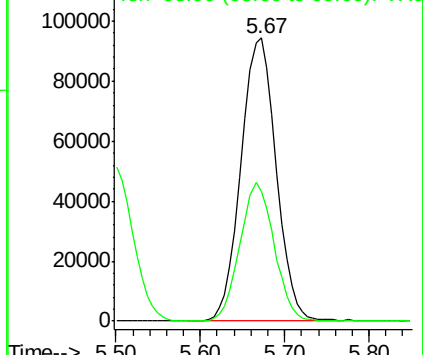
MMDadoda

7/24/2018 12:37:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003614.D

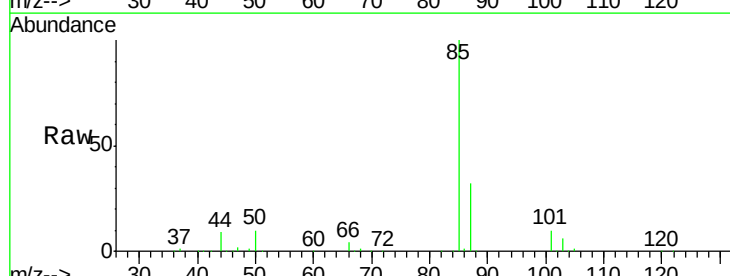
Acq: 23 Jul 2018 19:36

Tgt Ion: 85 Resp: 107960

Ion Ratio Lower Upper

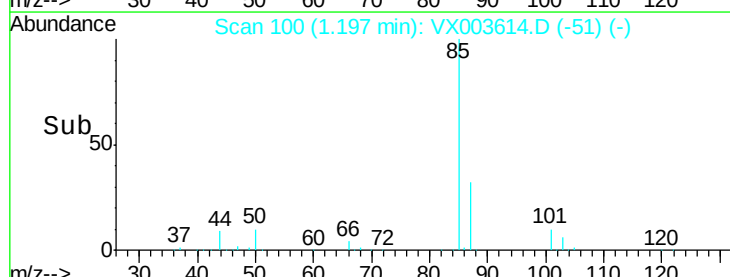
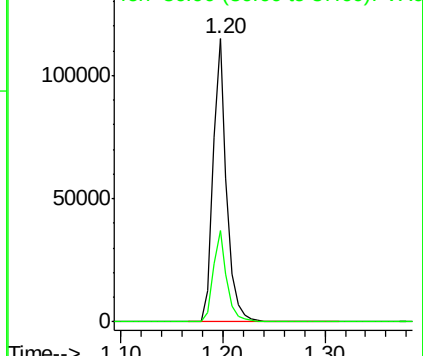
85 100

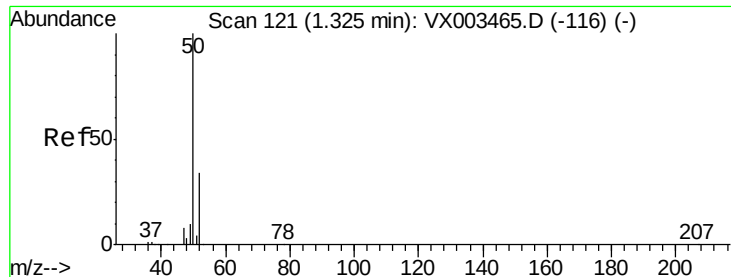
87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 54.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 50 Resp: 141831

Ion Ratio Lower Upper

50 100

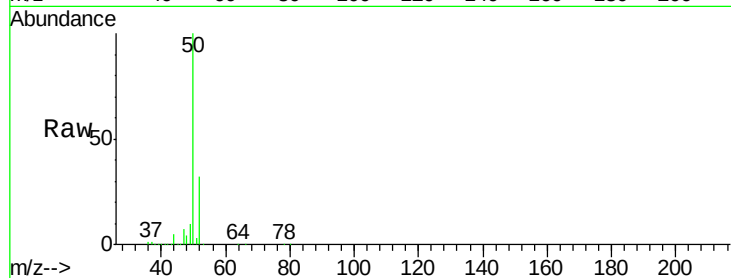
52 32.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

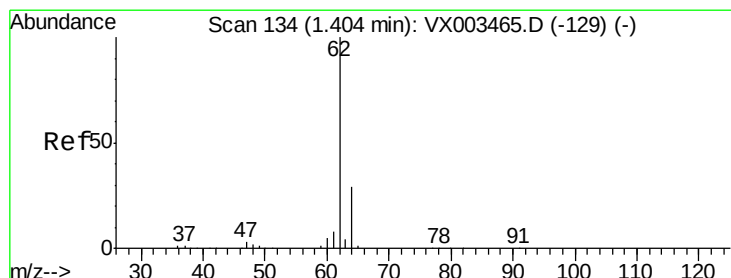
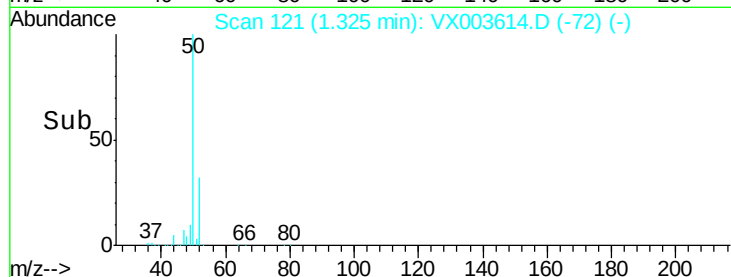
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 47.85 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003614.D

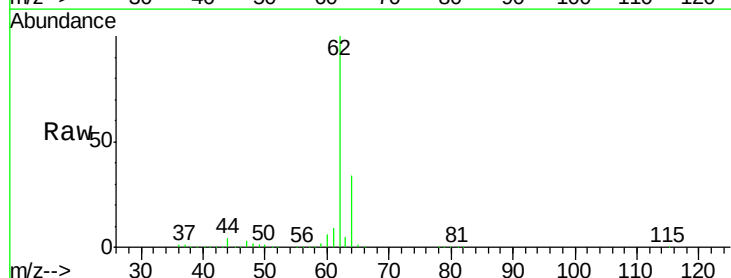
Acq: 23 Jul 2018 19:36

Tgt Ion: 62 Resp: 162513

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

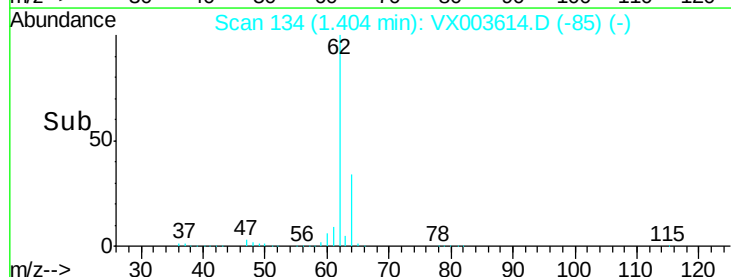
150000

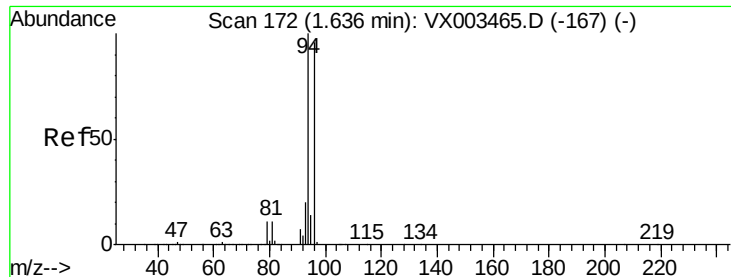
100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 54.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 94 Resp: 72940

Ion Ratio Lower Upper

94 100

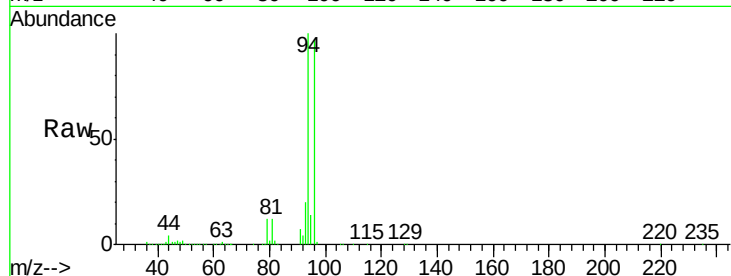
96 96.7 74.9 112.3

Manual Integrations

APPROVED

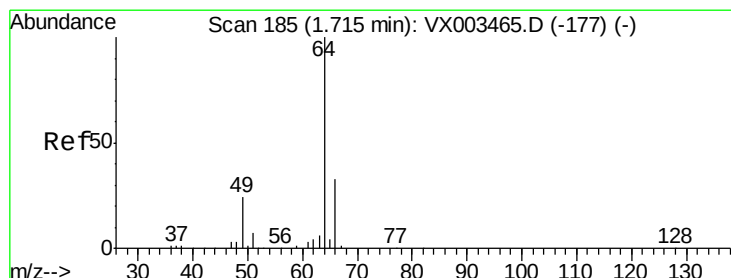
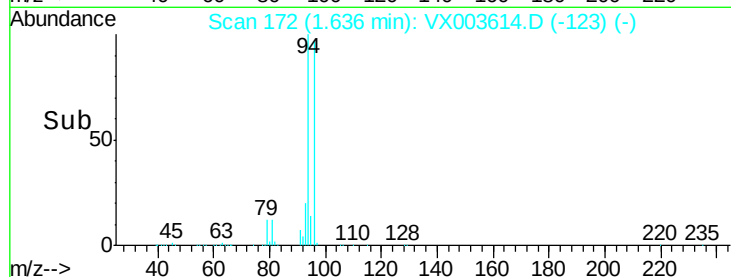
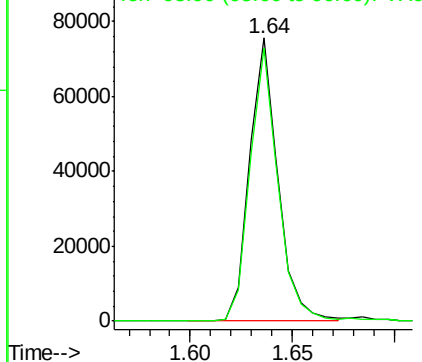
MMDadoda

7/24/2018 12:37:40 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.77 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003614.D

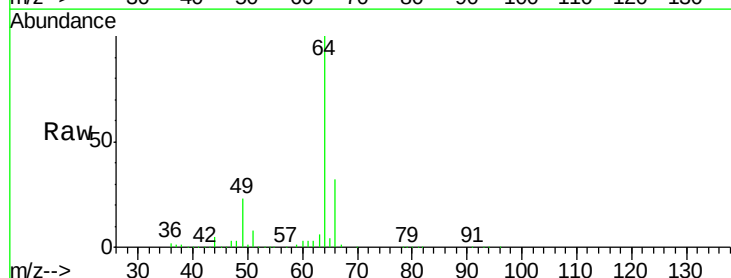
Acq: 23 Jul 2018 19:36

Tgt Ion: 64 Resp: 106055

Ion Ratio Lower Upper

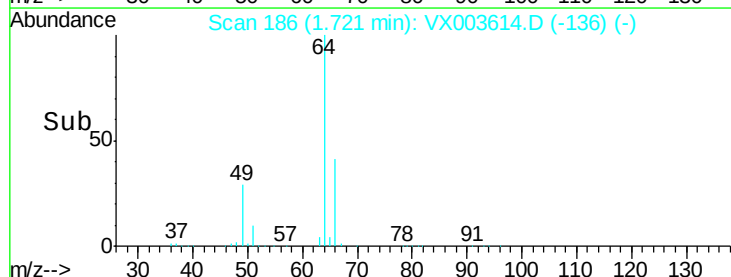
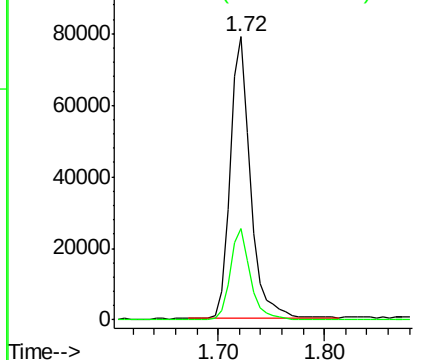
64 100

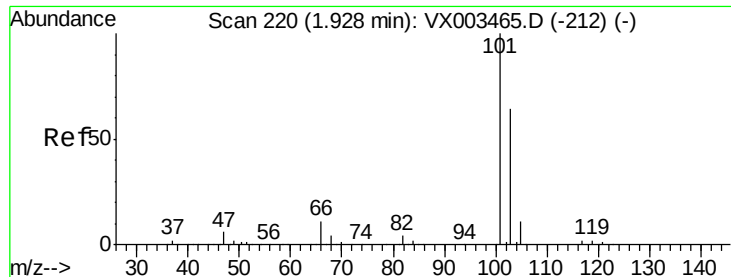
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

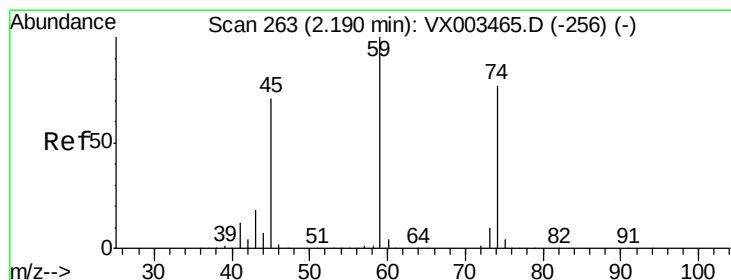
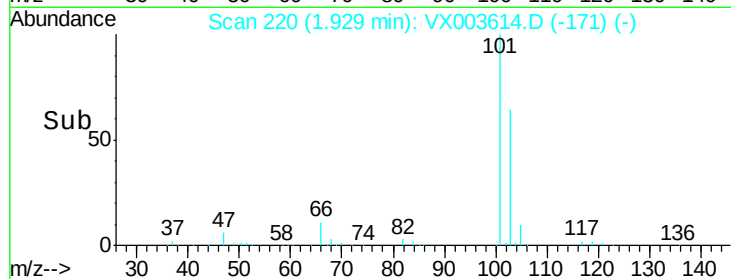
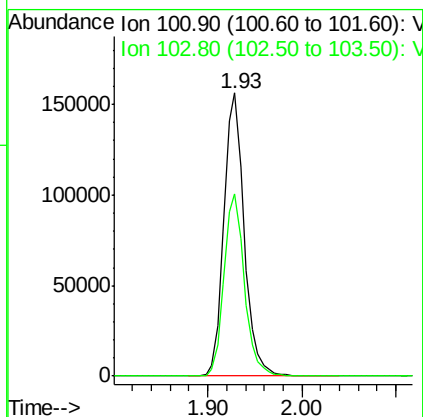
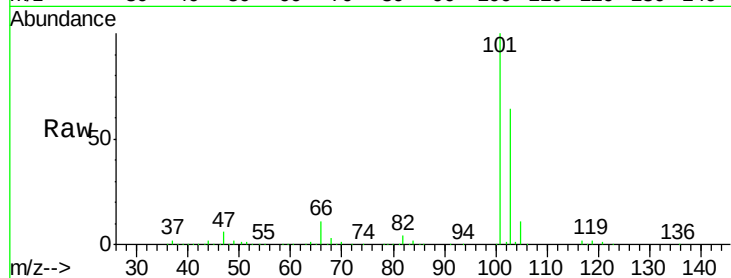
Trichlorofluoromethane
Concen: 51.49 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion:101 Resp: 233328
Ion Ratio Lower Upper
101 100
103 64.3 52.8 79.2

Manual Integrations
APPROVED

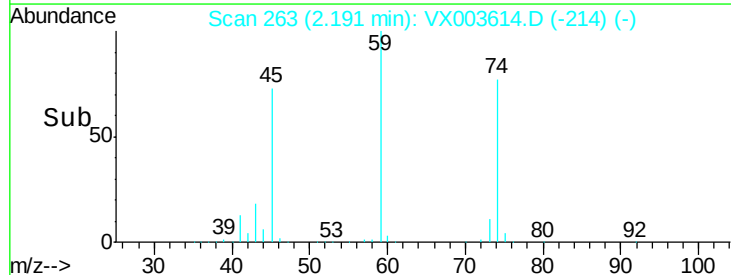
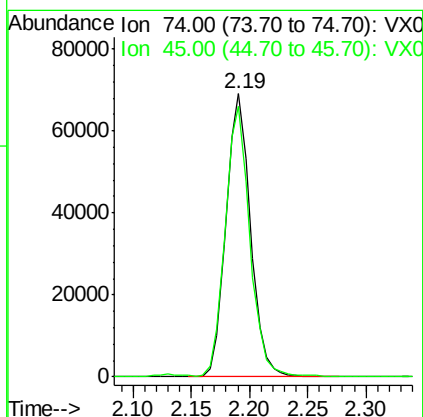
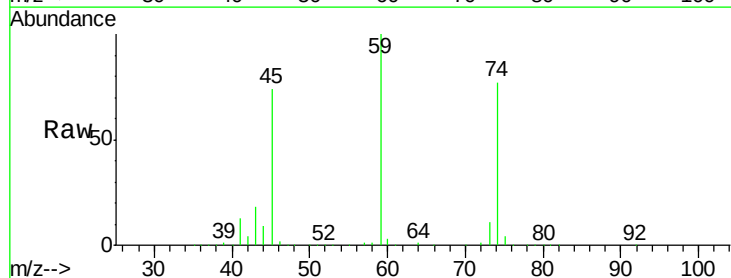
MMDadoda
7/24/2018 12:37:40 PM

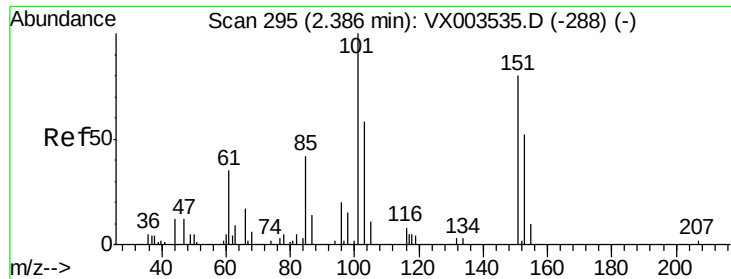


#8

Diethyl Ether
Concen: 51.91 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion: 74 Resp: 101015
Ion Ratio Lower Upper
74 100
45 95.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.83 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

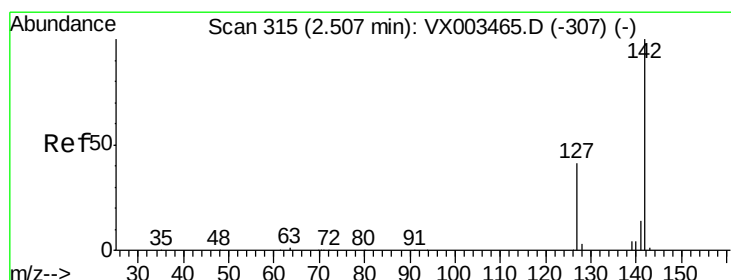
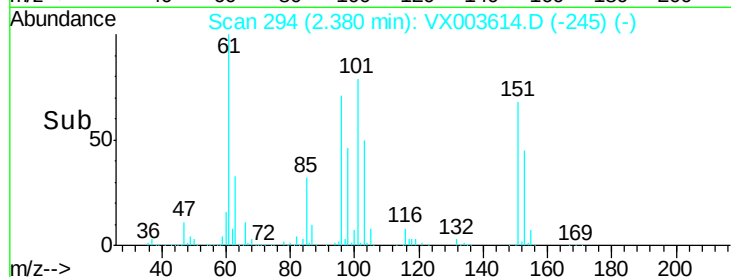
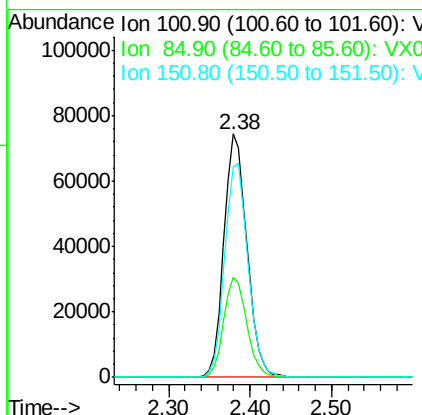
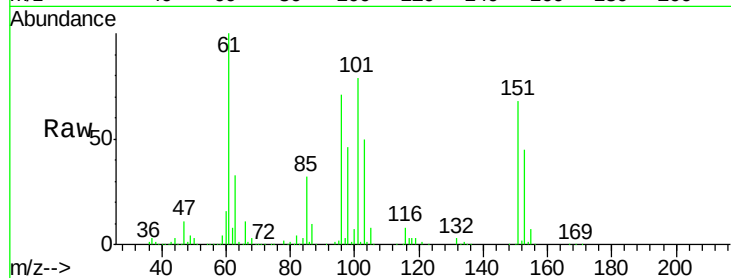
ClientSampleId :

YT-MW-7MSD

Tot Ion:	101	Resp:	144799
Ion Ratio	Lower	Upper	
101	100		
85	41.4	36.0	54.0
151	89.1	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#10

Methyl Iodide

Concen: 57.70 ug/l

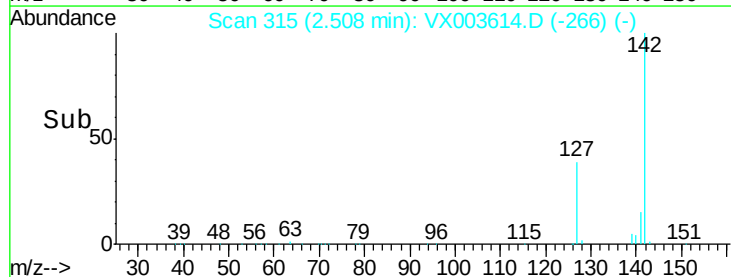
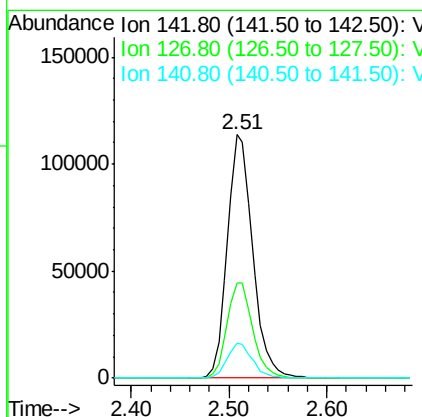
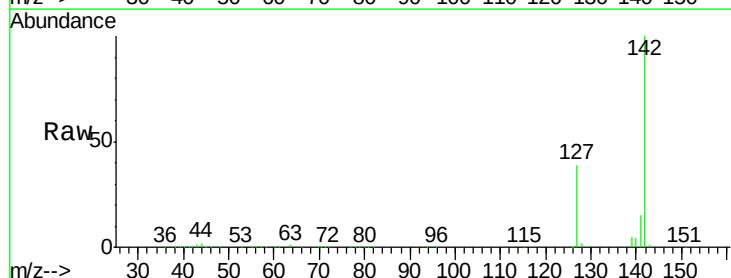
RT: 2.51 min Scan# 315

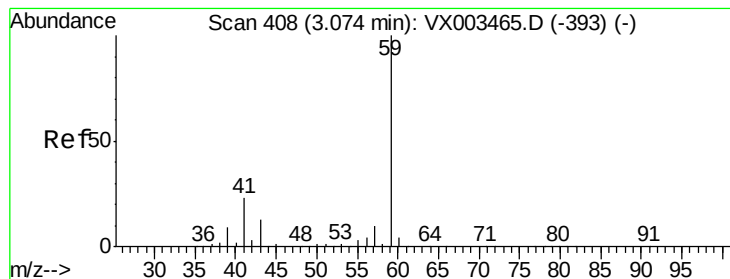
Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	142	Resp:	205569
Ion Ratio	Lower	Upper	
142	100		
127	39.9	36.6	55.0
141	14.2	11.3	16.9





#11

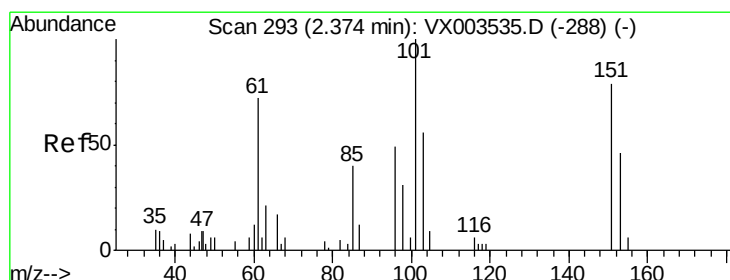
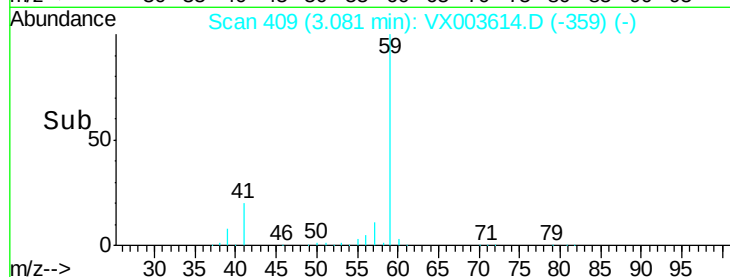
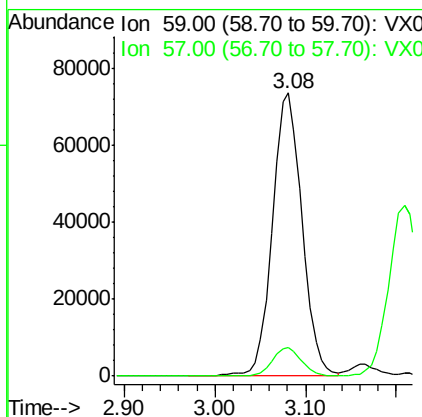
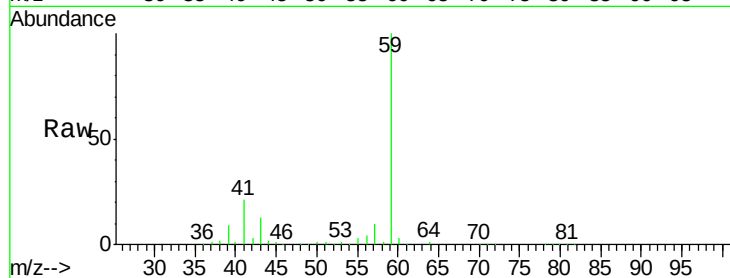
Tert butyl alcohol
Concen: 266.07 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampled :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
APPROVED

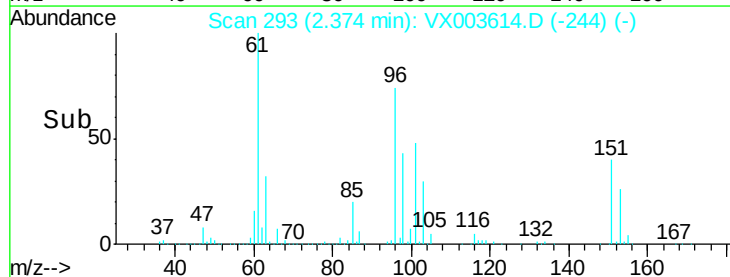
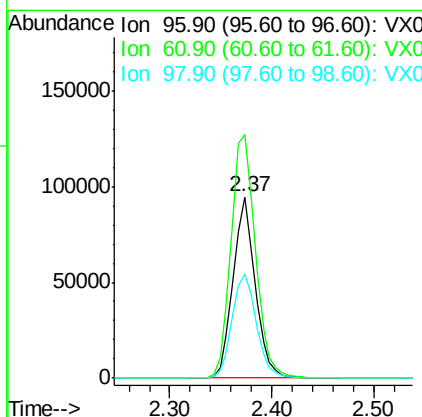
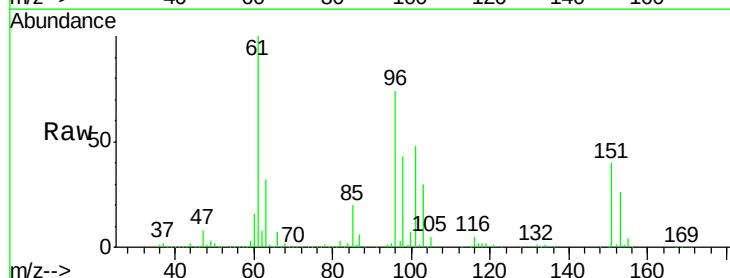
MMDadoda
7/24/2018 12:37:40 PM

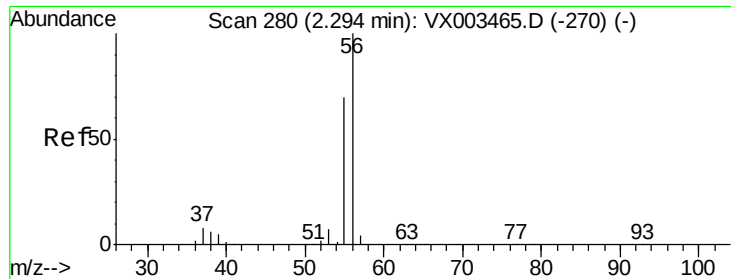


#12

1,1-Dichloroethene
Concen: 51.93 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.5	137.9	206.9#
98	57.8	51.6	77.4





#13

Acrolein

Concen: 192.55 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 56 Resp: 54482

Ion Ratio Lower Upper

56 100

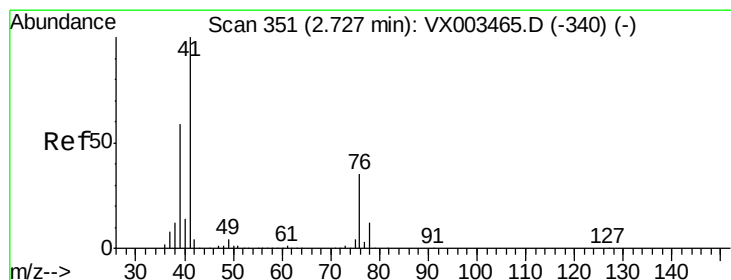
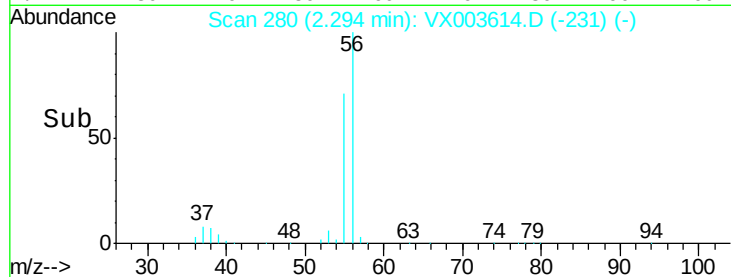
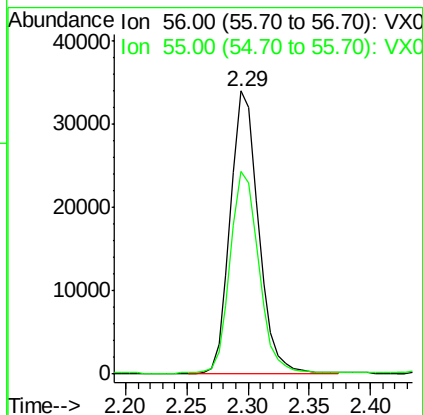
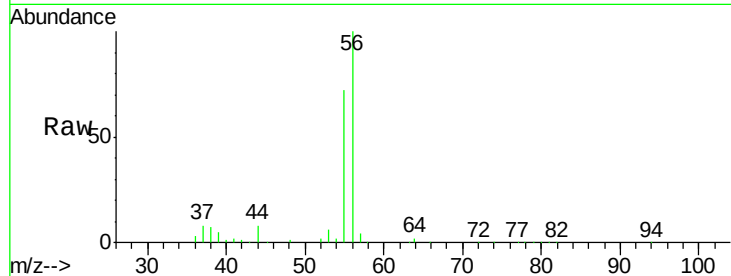
55 71.9 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#14

Allyl chloride

Concen: 50.03 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

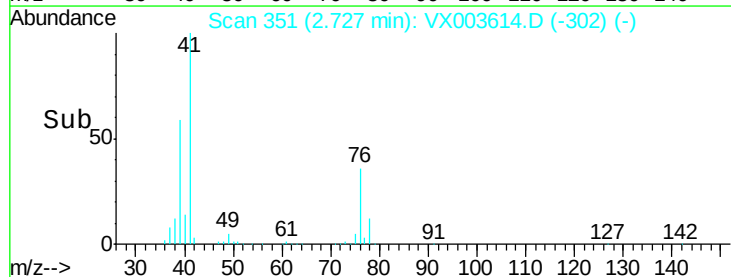
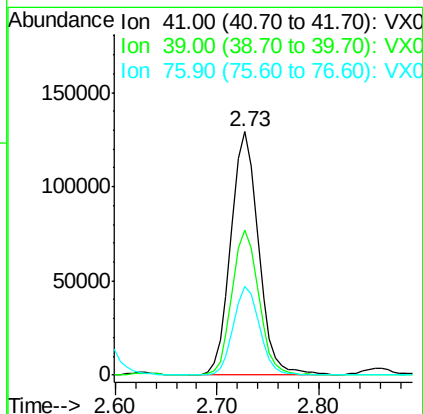
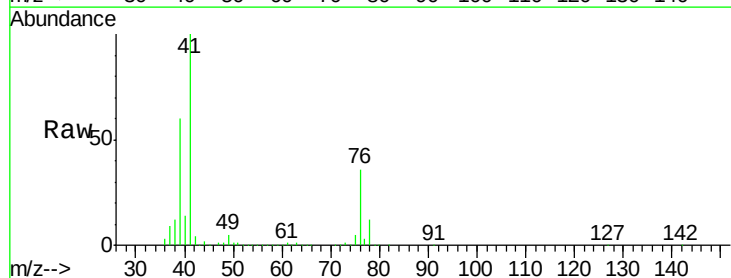
Tgt Ion: 41 Resp: 241840

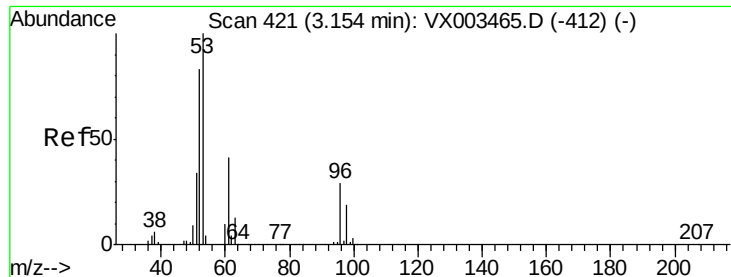
Ion Ratio Lower Upper

41 100

39 57.8 56.8 85.2

76 34.8 23.8 35.8





#15

Acrylonitrile

Concen: 269.51 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

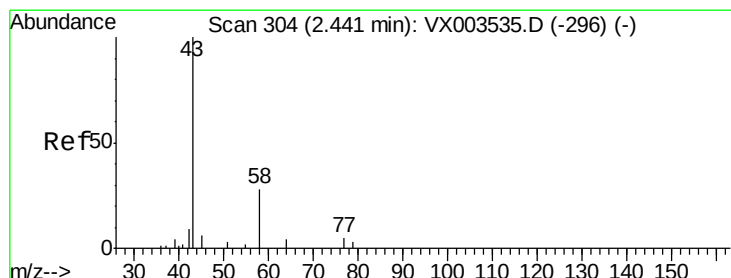
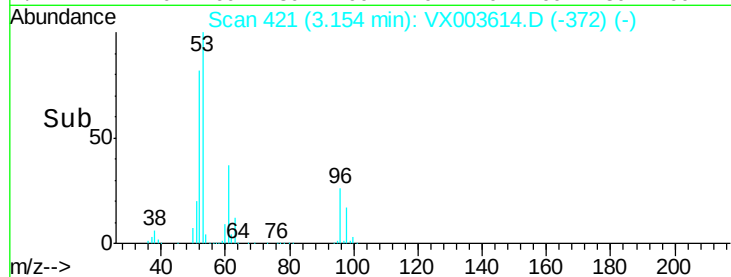
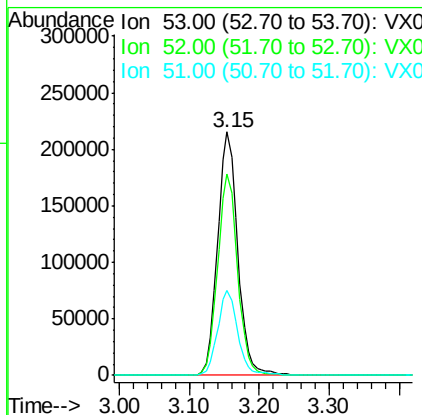
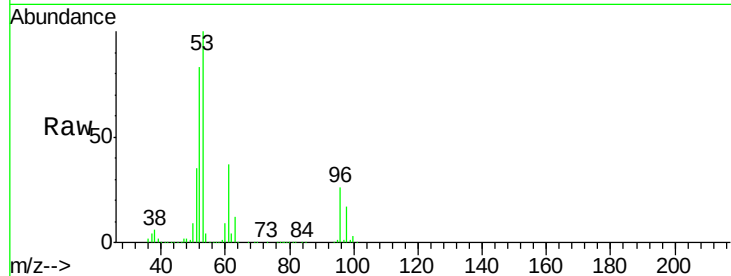
ClientSampleId :

YT-MW-7MSD

Tot Ion:	53	Resp:	429699
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	35.0	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#16

Acetone

Concen: 278.27 ug/l

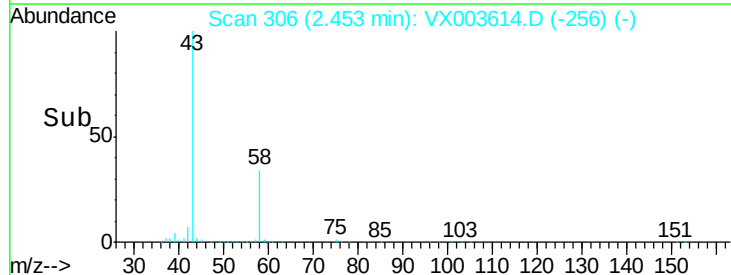
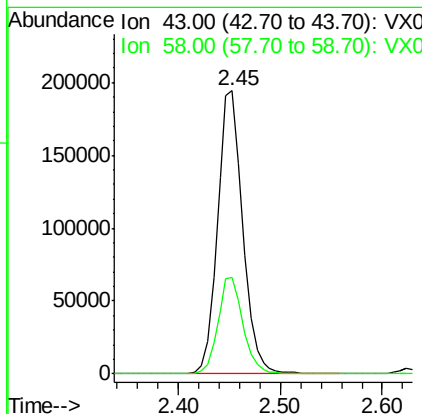
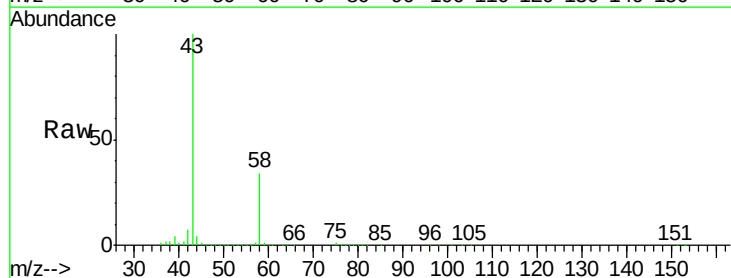
RT: 2.45 min Scan# 306

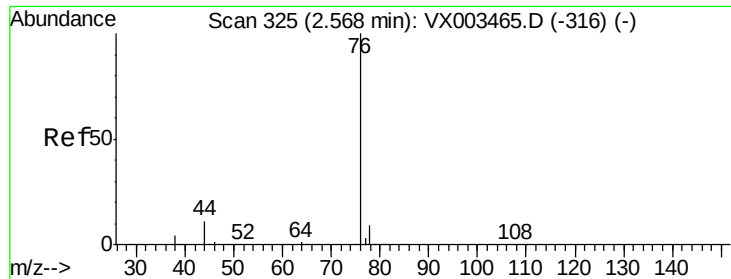
Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	43	Resp:	332643
Ion Ratio	Lower	Upper	
43	100		
58	34.1	22.1	33.1#





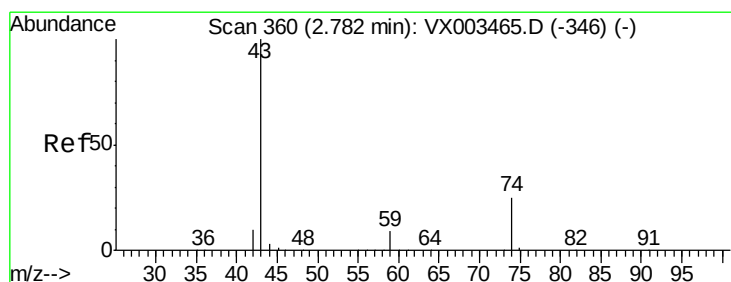
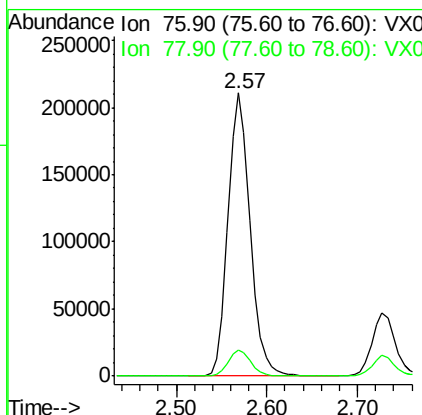
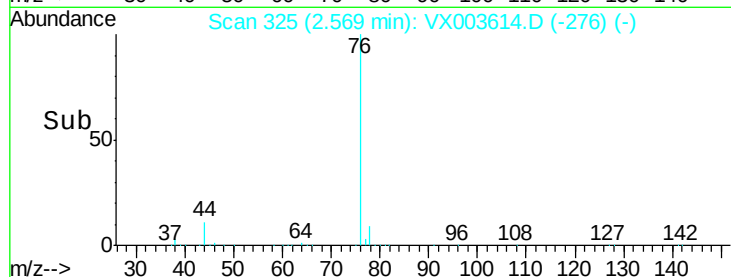
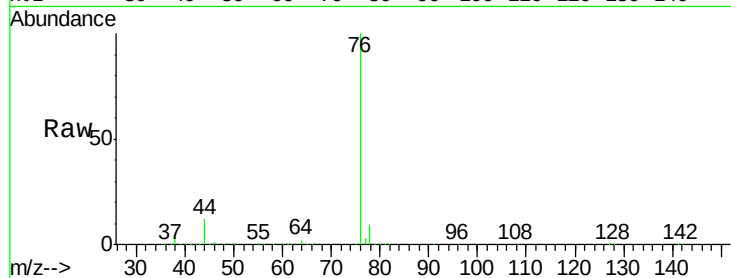
#17
Carbon Disulfide
Concen: 48.31 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

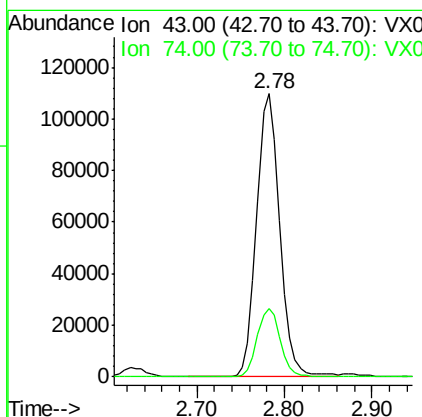
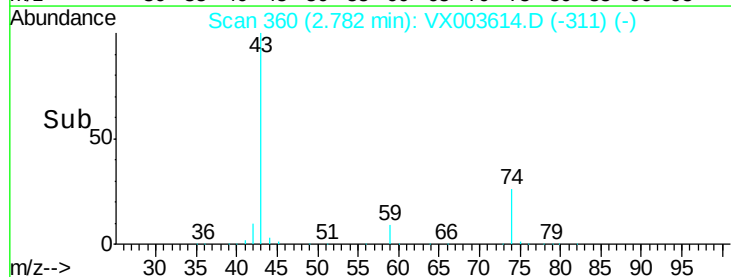
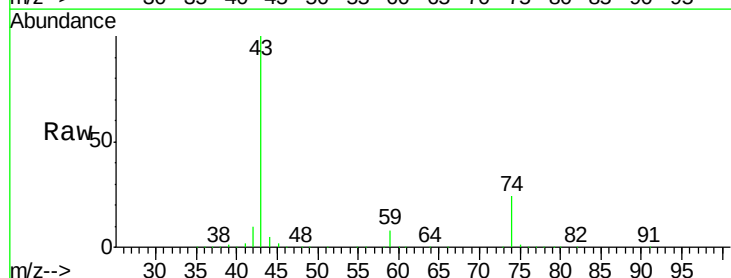
Manual Integrations
APPROVED

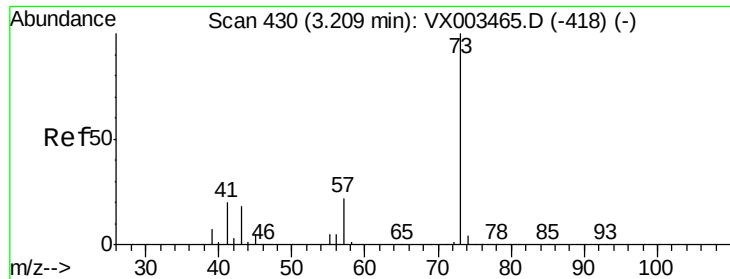
MMDadoda
7/24/2018 12:37:40 PM



#18
Methyl Acetate
Concen: 53.65 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	16.7	25.1





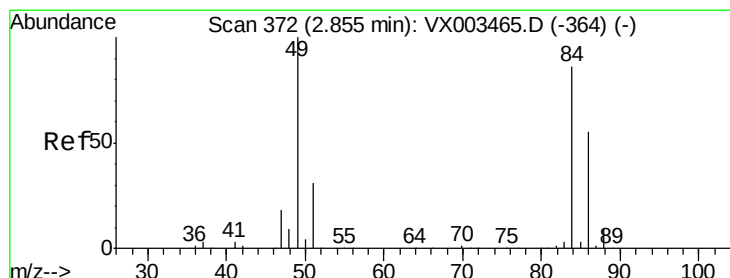
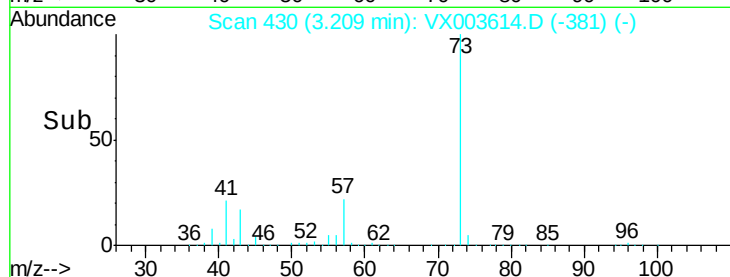
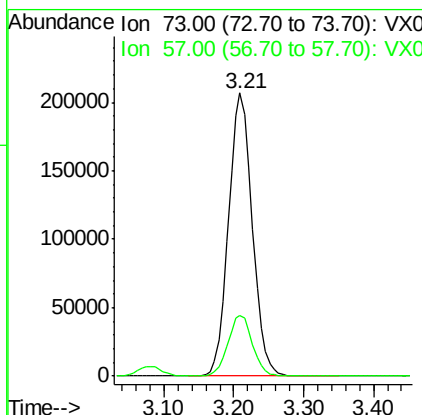
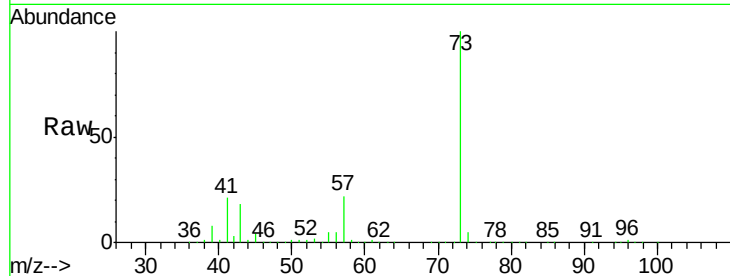
#19
Methyl tert-butyl Ether
Concen: 54.60 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion: 73 Resp: 486847
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

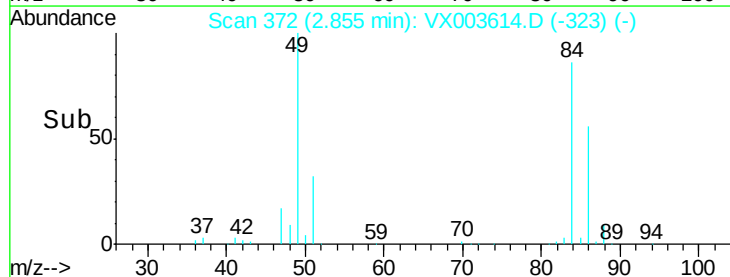
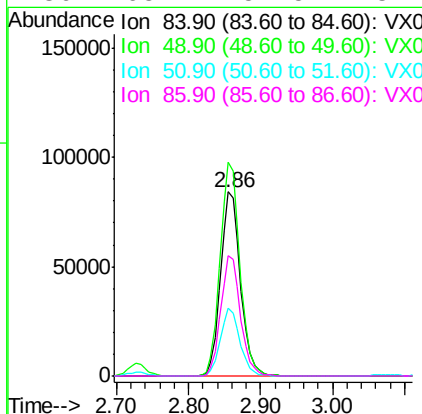
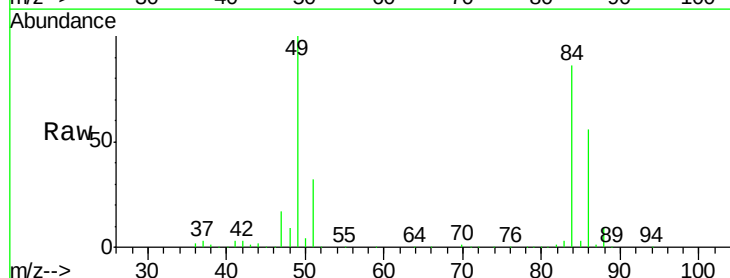
Manual Integrations
APPROVED

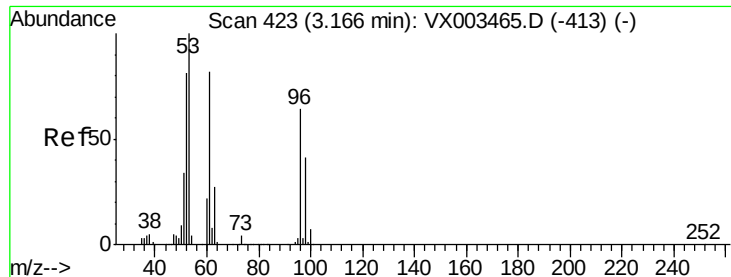
MMDadoda
7/24/2018 12:37:40 PM



#20
Methylene Chloride
Concen: 55.27 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion: 84 Resp: 161284
Ion Ratio Lower Upper
84 100
49 116.1 107.8 161.6
51 36.8 32.8 49.2
86 65.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.46 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 96 Resp: 150270

Ion Ratio Lower Upper

96 100

61 134.9 117.0 175.4

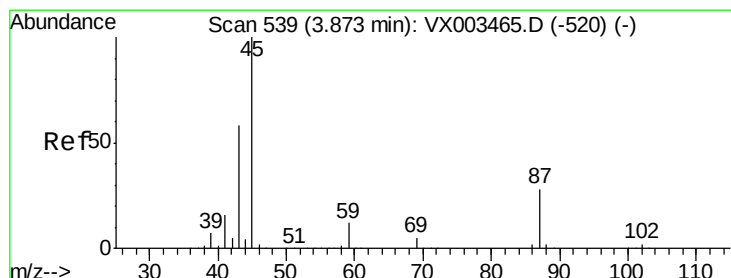
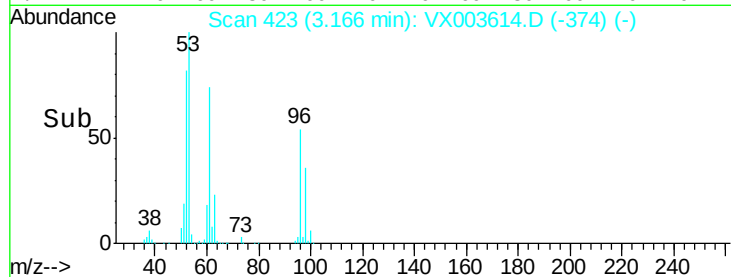
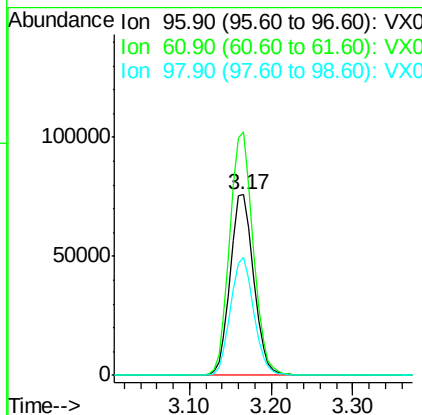
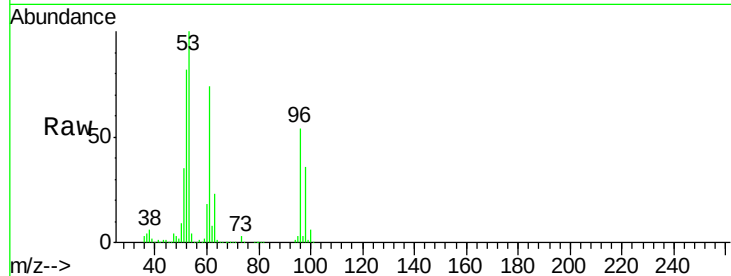
98 65.2 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#22

Diisopropyl ether

Concen: 53.29 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion: 45 Resp: 484758

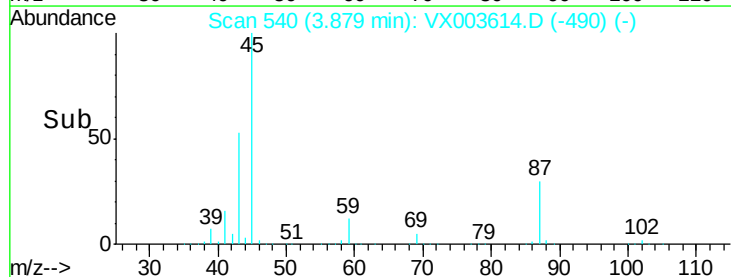
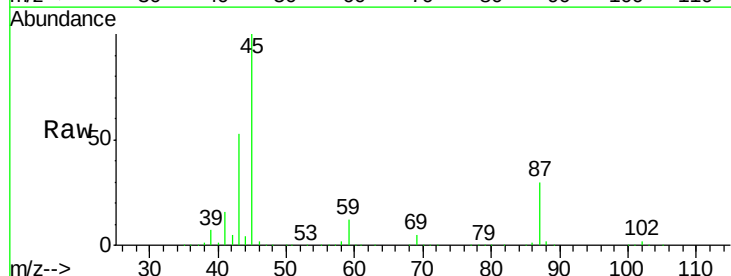
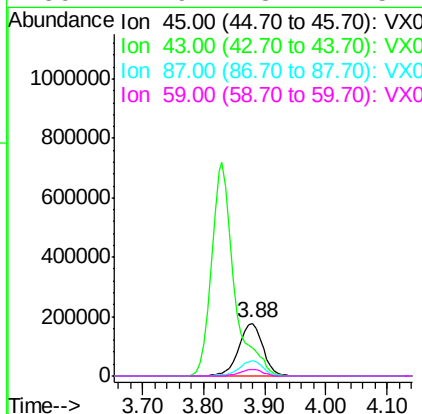
Ion Ratio Lower Upper

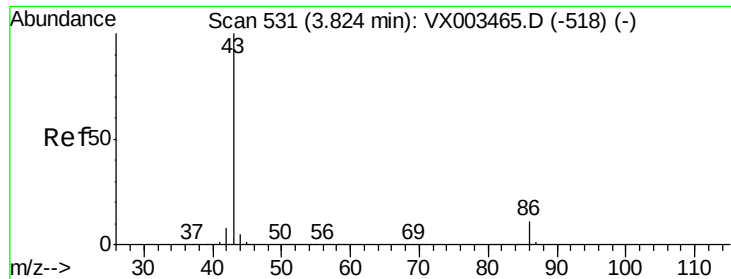
45 100

43 52.4 46.8 70.2

87 29.7 20.2 30.4

59 11.9 8.7 13.1





#23

Vinyl Acetate

Concen: 249.51 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 43 Resp: 1869456

Ion Ratio Lower Upper

43 100

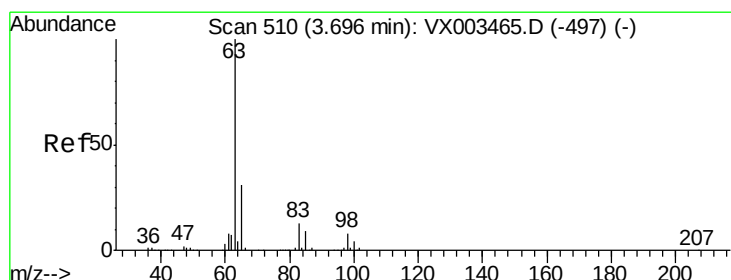
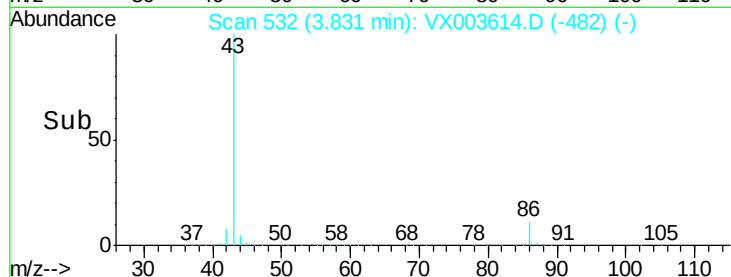
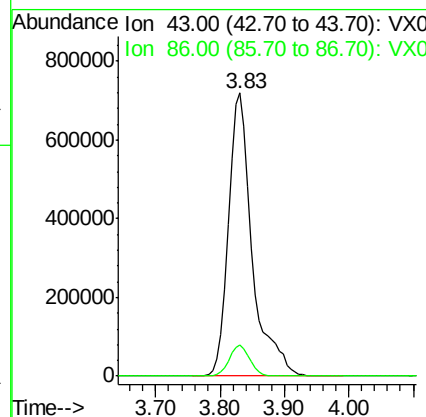
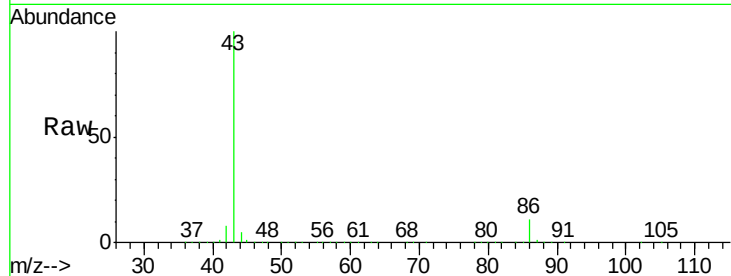
86 10.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#24

1,1-Dichloroethane

Concen: 52.99 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

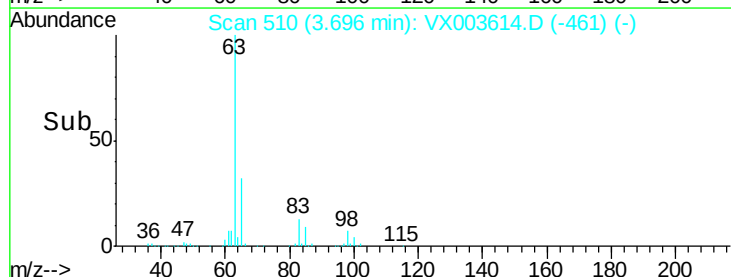
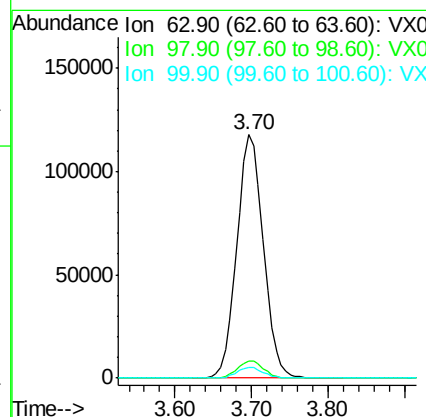
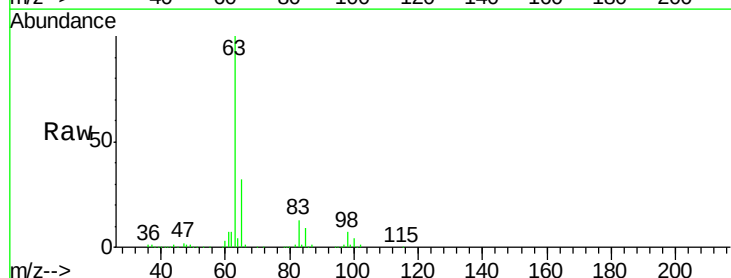
Tgt Ion: 63 Resp: 282805

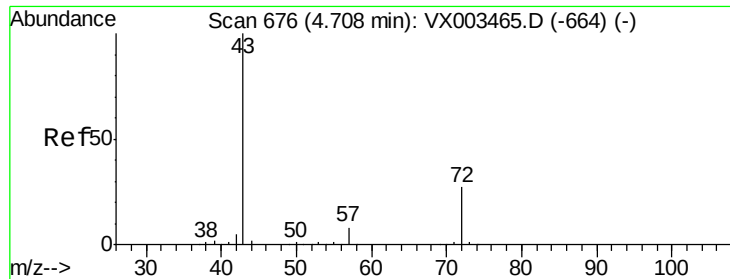
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 271.87 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 43 Resp: 545268

Ion Ratio Lower Upper

43 100

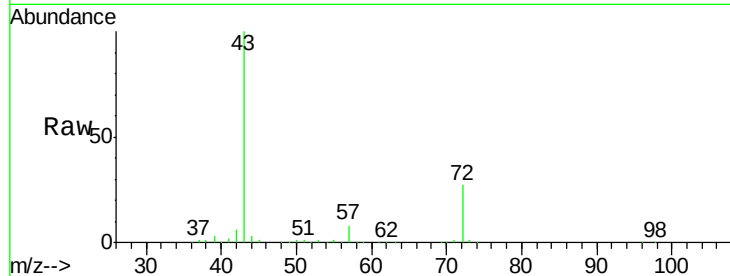
72 27.2 18.5 27.7

Manual Integrations

APPROVED

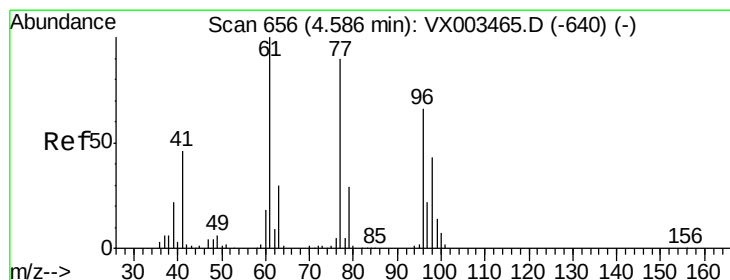
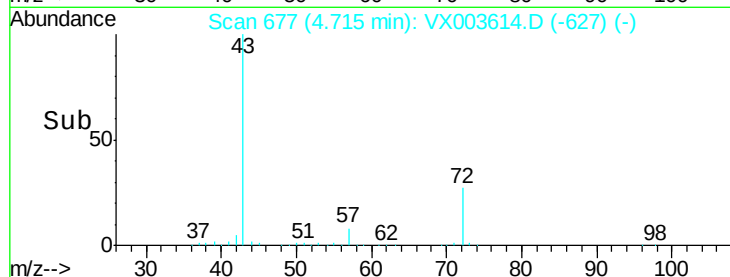
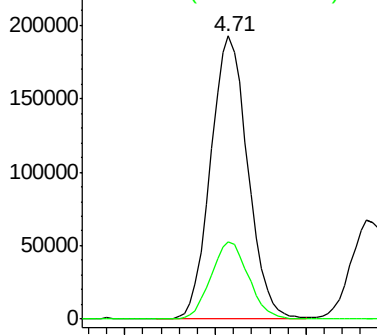
MMDadoda

7/24/2018 12:37:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 35.47 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003614.D

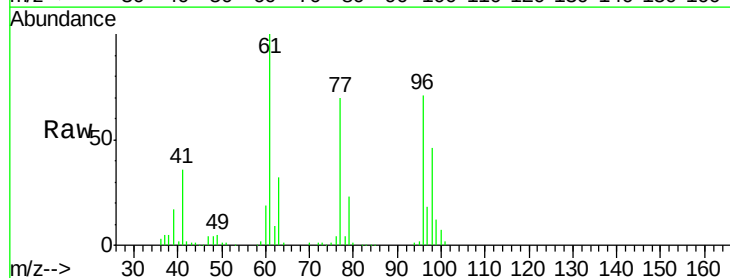
Acq: 23 Jul 2018 19:36

Tgt Ion: 77 Resp: 143759

Ion Ratio Lower Upper

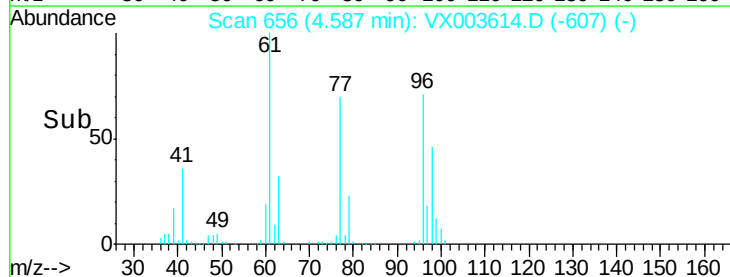
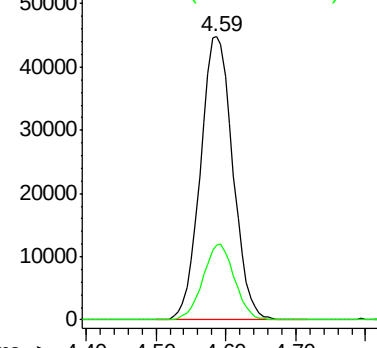
77 100

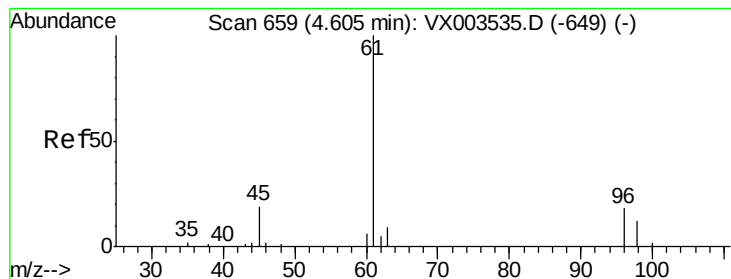
97 26.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 51.79 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tot Ion:	96	Resp:	175200
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	330.2
98	64.5	0.0	130.2

Instrument :

MSVOA_X

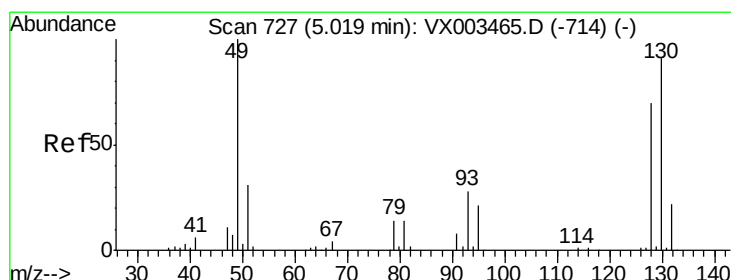
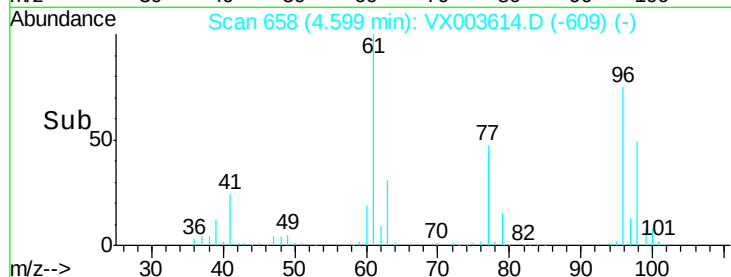
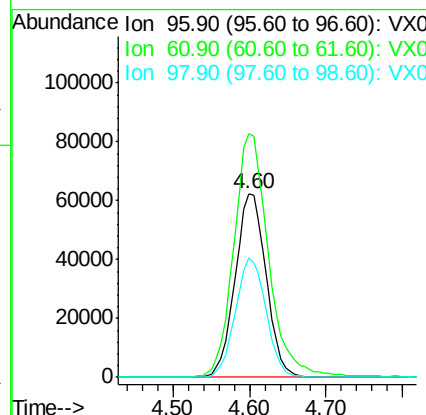
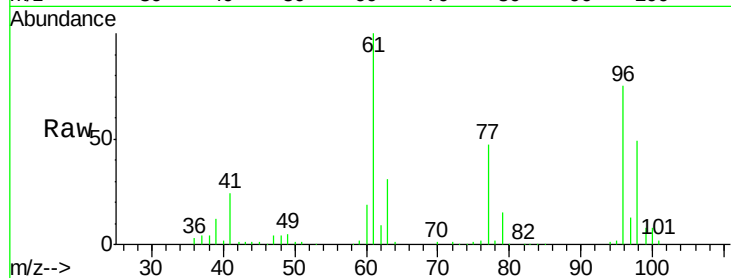
ClientSampled :

YT-MW-7MSD

Manual Integrations
APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#28

Bromochloromethane

Concen: 50.75 ug/l

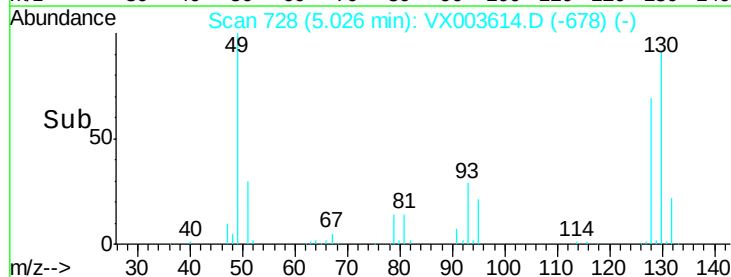
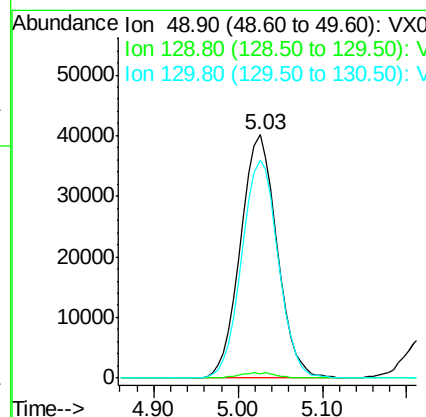
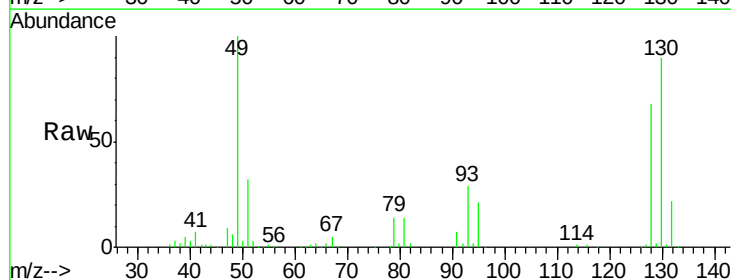
RT: 5.03 min Scan# 728

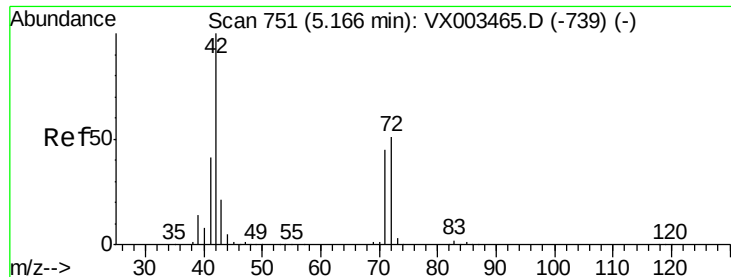
Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	49	Resp:	118391
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	89.3	61.2	91.8





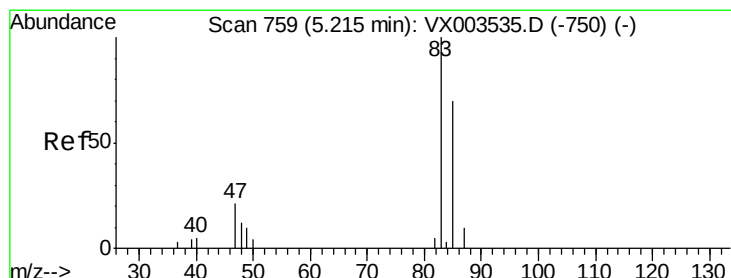
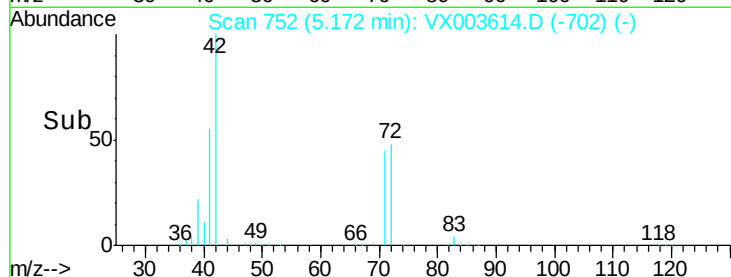
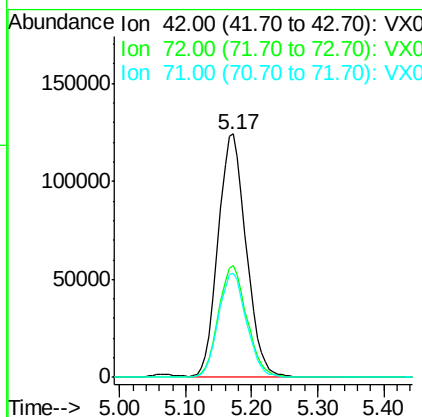
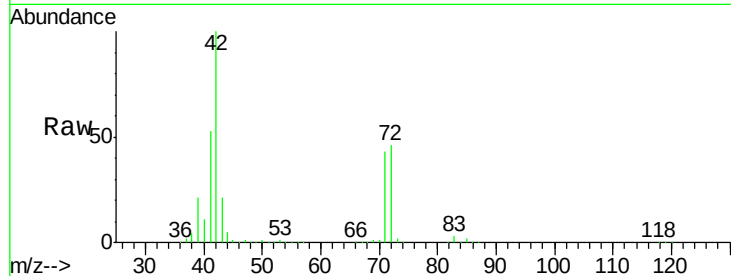
#29
Tetrahydrofuran
Concen: 275.87 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	32.0	48.0
71	42.8	30.1	45.1

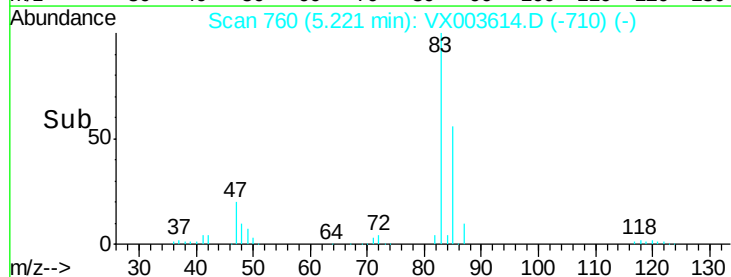
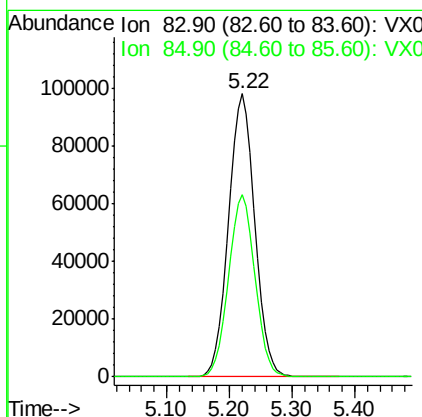
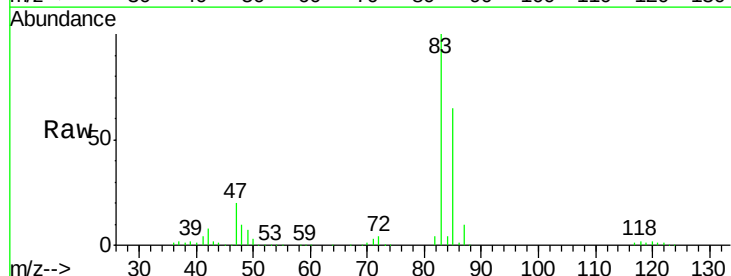
Manual Integrations
APPROVED

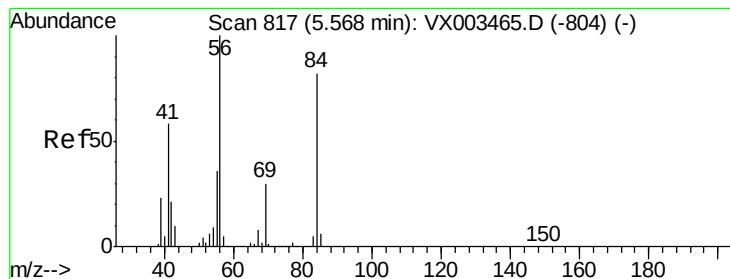
MMDadoda
7/24/2018 12:37:40 PM



#30
Chloroform
Concen: 54.62 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.4	75.6





#31

Cyclohexane

Concen: 50.32 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

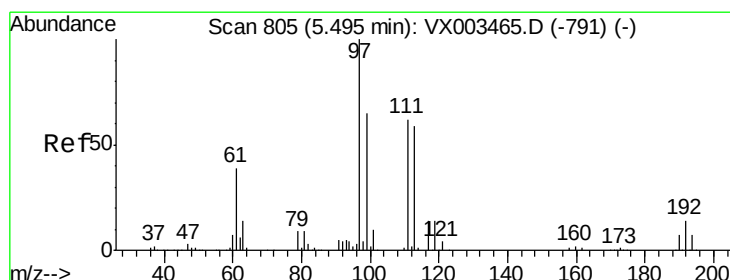
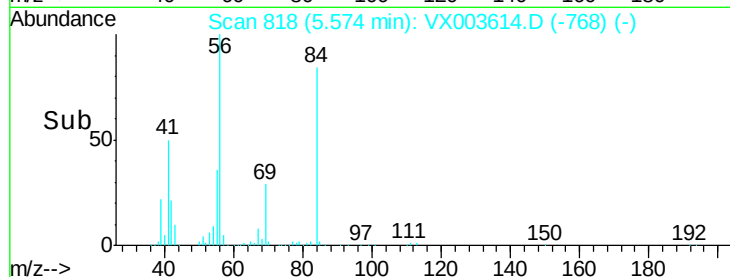
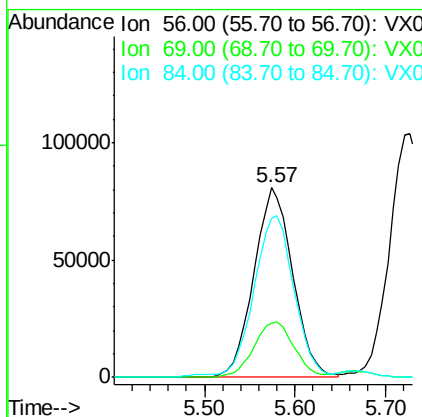
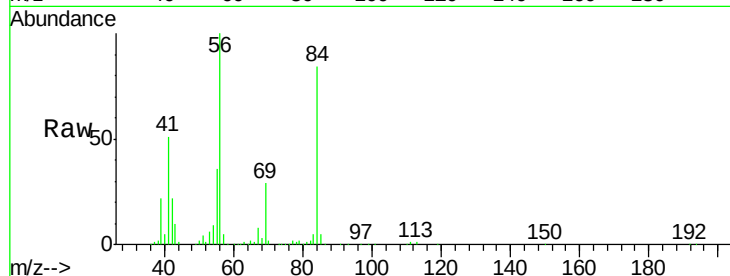
ClientSampleId :

YT-MW-7MSD

Tot Ion:	56	Resp:	239917
Ion Ratio	Lower	Upper	
56	100		
69	28.7	23.7	35.5
84	83.0	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#32

1,1,1-Trichloroethane

Concen: 54.89 ug/l

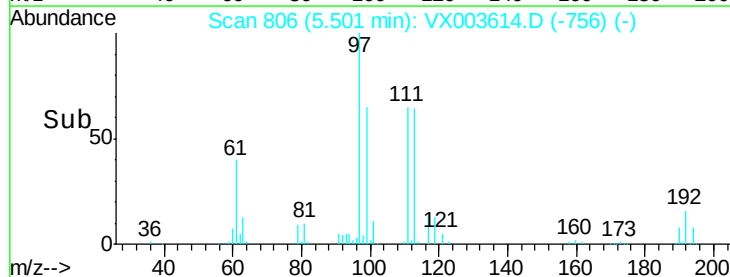
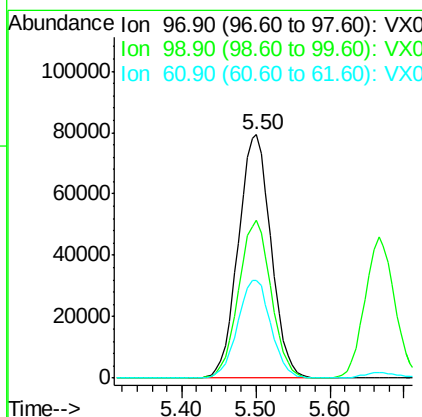
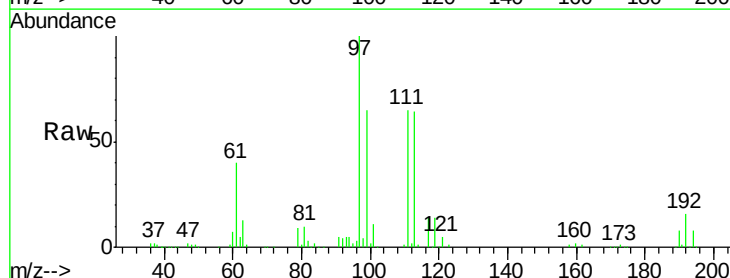
RT: 5.50 min Scan# 806

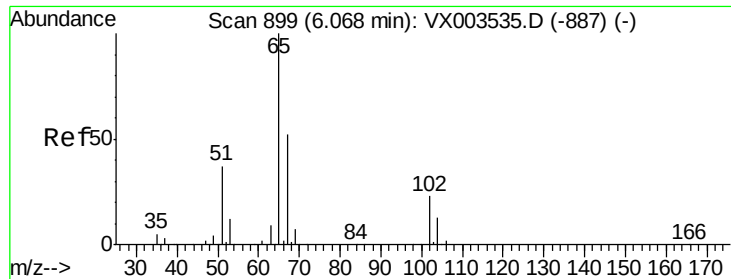
Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	97	Resp:	244938
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	40.9	36.4	54.6





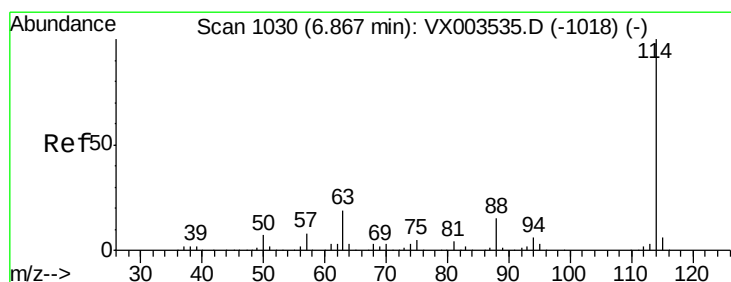
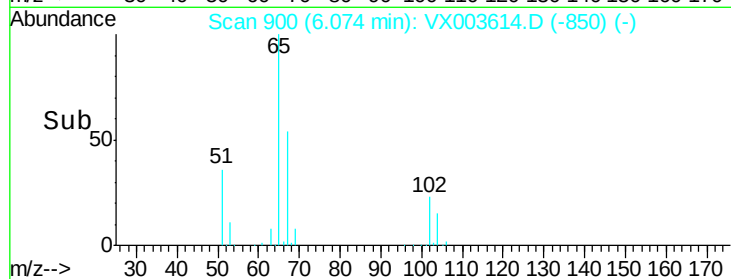
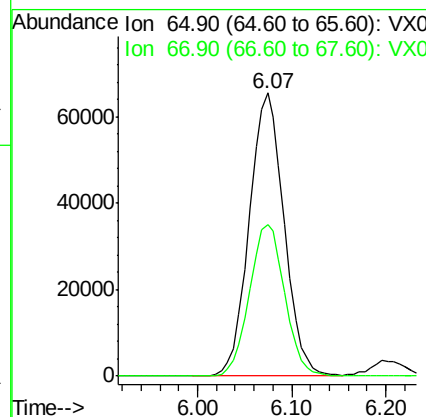
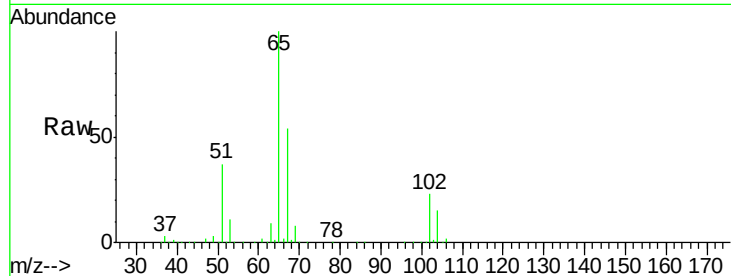
#33
 1,2-Dichloroethane-d4
 Concen: 53.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169701		
67	54.5	0.0	102.6	

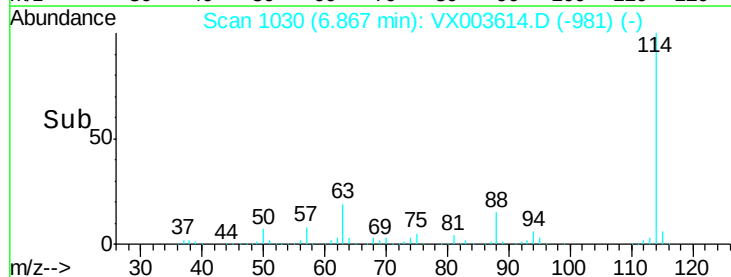
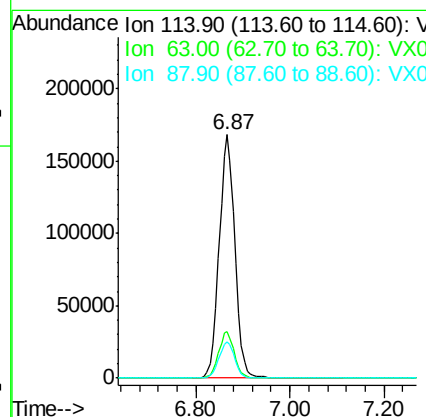
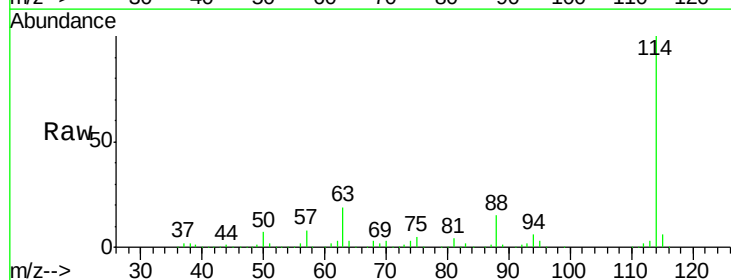
Manual Integrations
 APPROVED

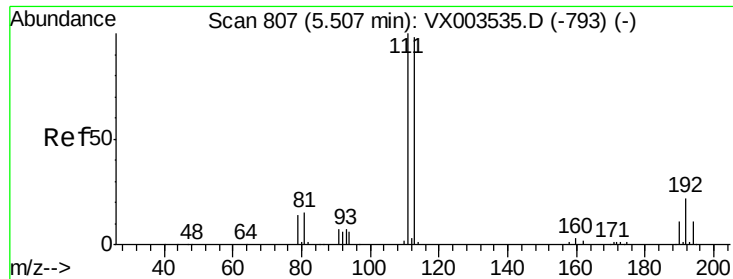
MMDadoda
 7/24/2018 12:37:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	385641		
63	18.8	0.0	41.4	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 53.76 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

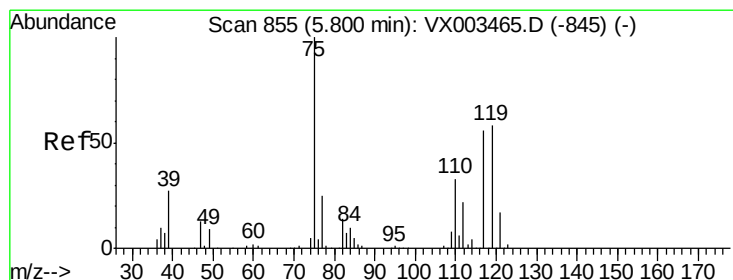
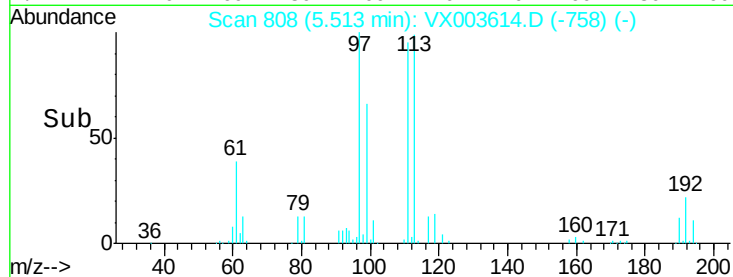
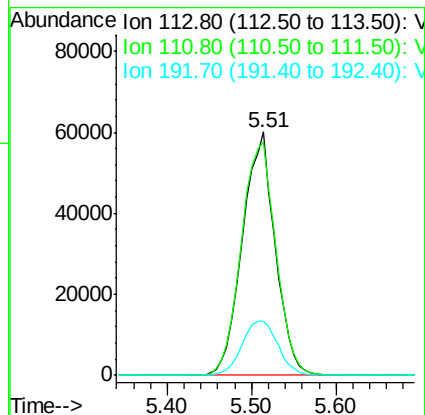
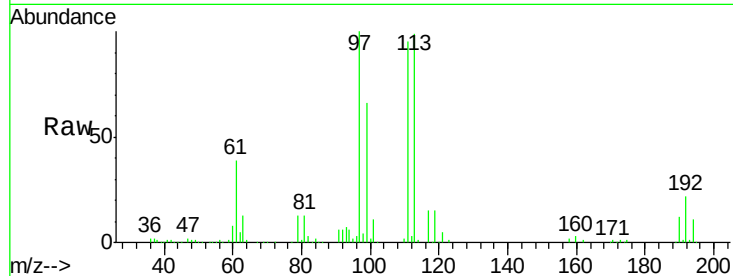
ClientSampleId :

YT-MW-7MSD

Tot Ion:	113	Resp:	157901
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	24.5	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#36

1,1-Dichloropropene

Concen: 49.69 ug/l

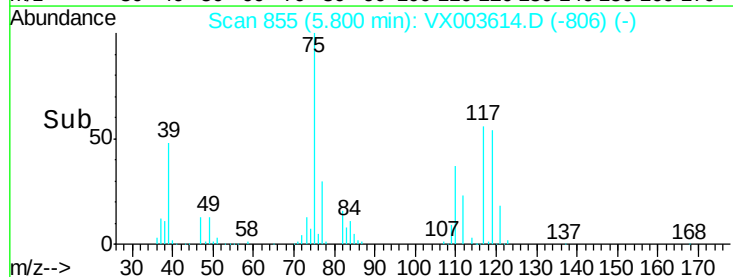
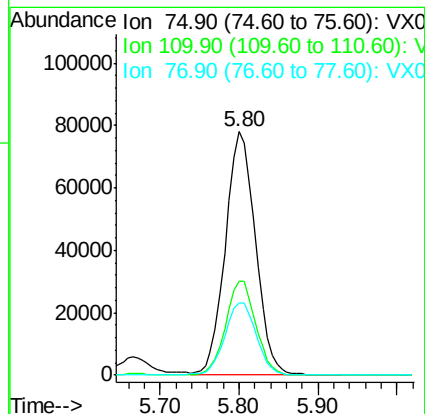
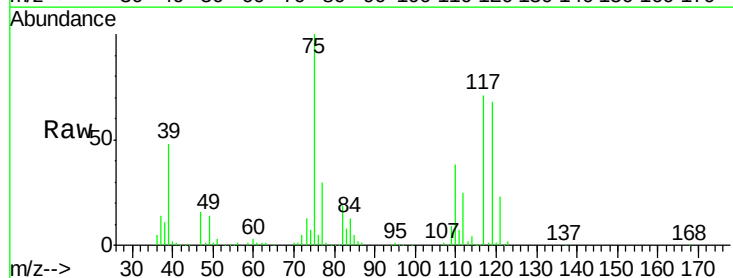
RT: 5.80 min Scan# 855

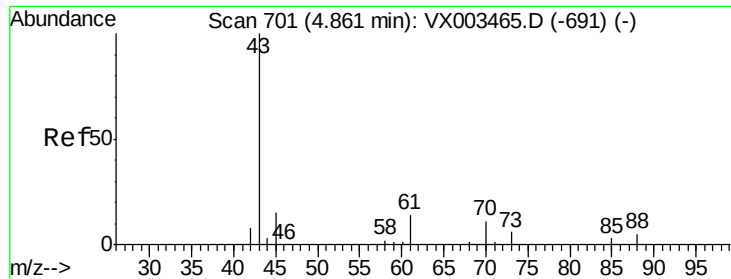
Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	75	Resp:	206878
Ion Ratio	Lower	Upper	
75	100		
110	38.7	18.1	54.4
77	31.6	24.3	36.5





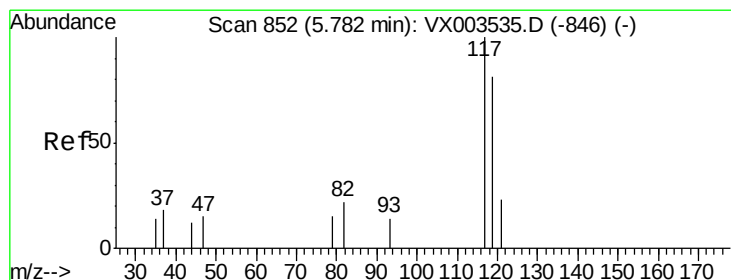
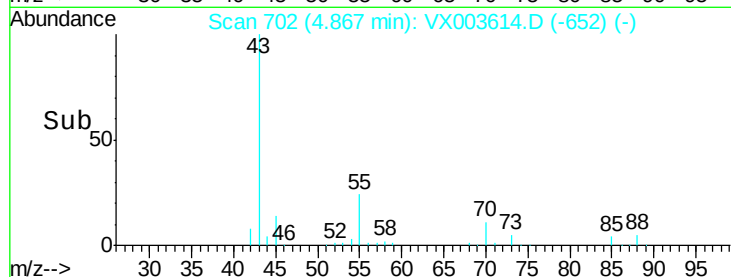
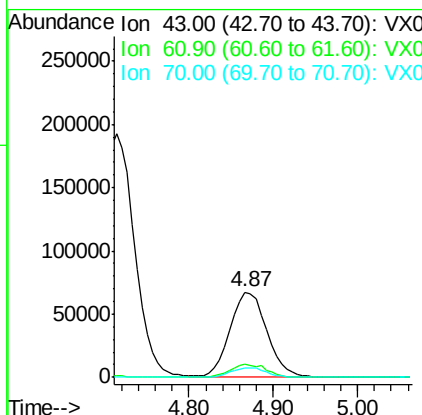
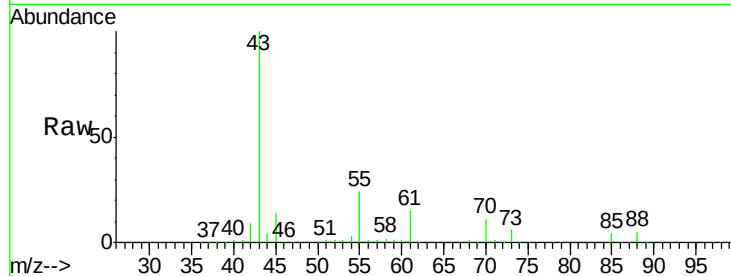
#37
Ethyl Acetate
Concen: 50.49 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion:	43	Resp:	198927
Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.4	15.6
70	11.3	7.6	11.4

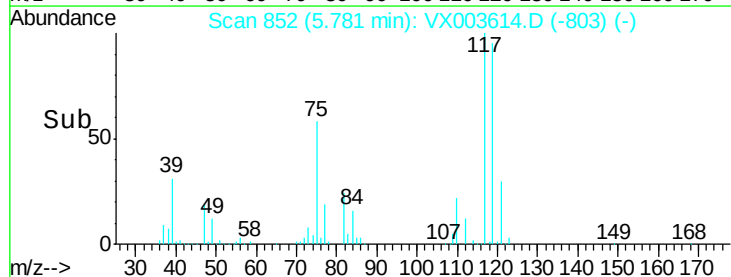
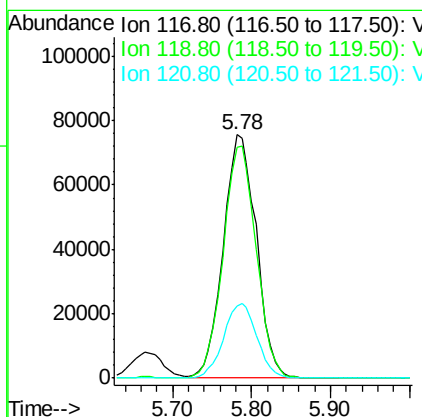
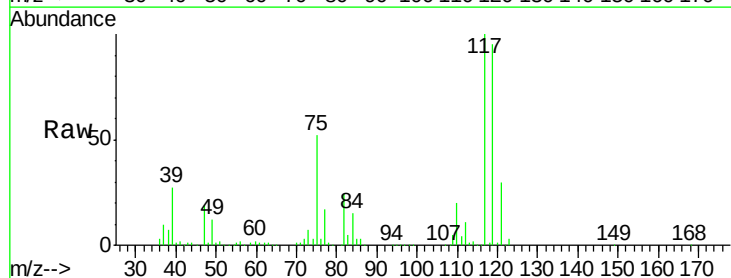
Manual Integrations
APPROVED

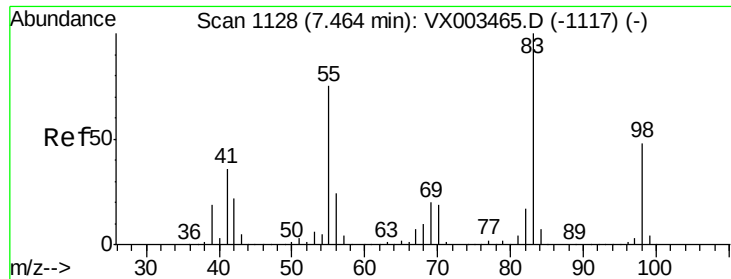
MMDadoda
7/24/2018 12:37:40 PM



#38
Carbon Tetrachloride
Concen: 53.94 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion:	117	Resp:	220294
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	29.7	24.4	36.6





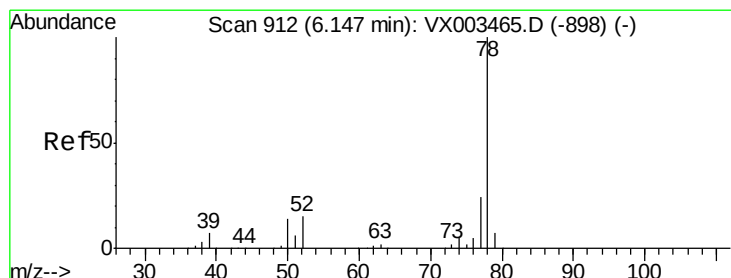
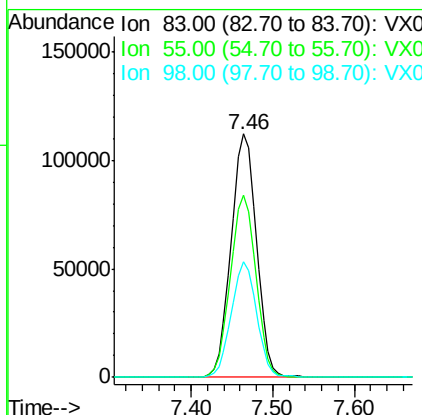
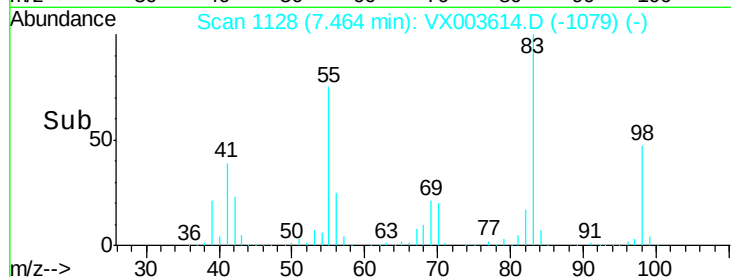
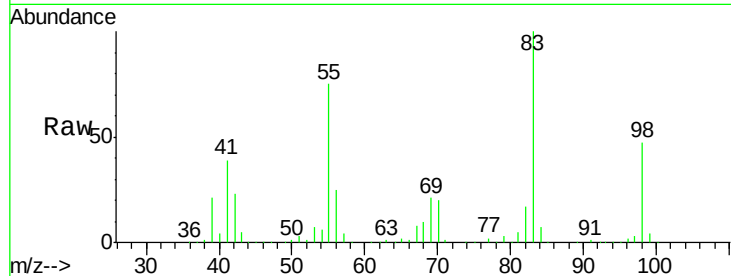
#39
Methylvlcyclohexane
Concen: 48.78 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240561		
55	74.7		65.4	98.0
98	47.5		37.4	56.0

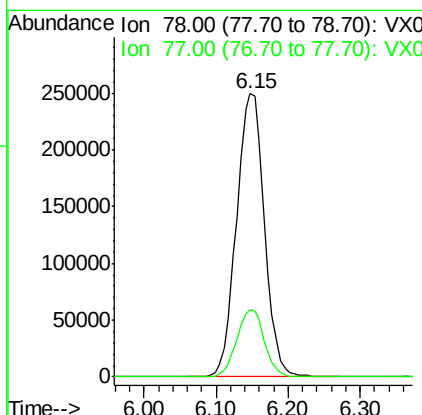
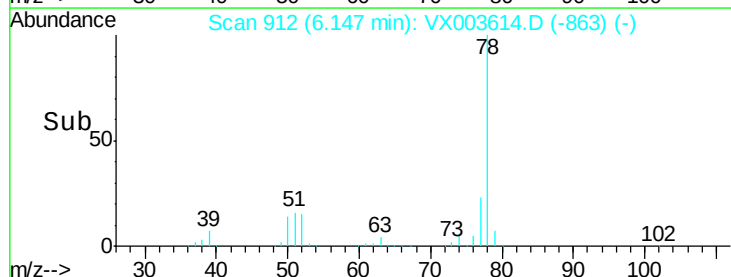
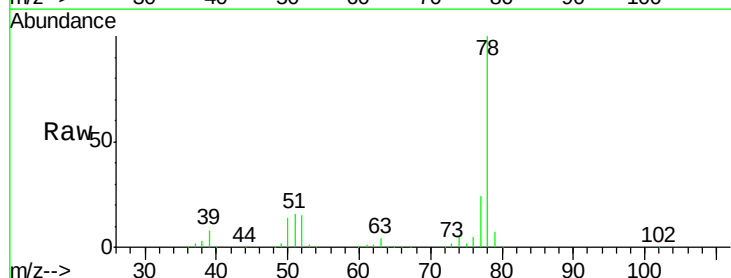
Manual Integrations
APPROVED

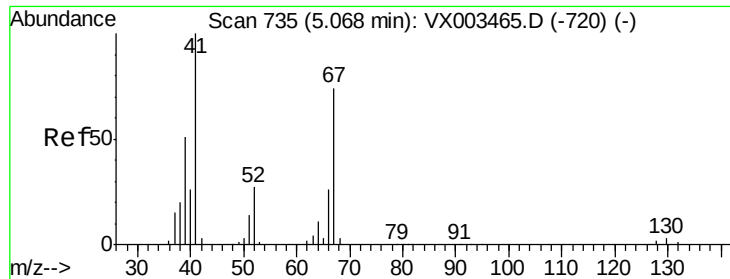
MMDadoda
7/24/2018 12:37:40 PM



#40
Benzene
Concen: 53.25 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	669374		
77	23.7		19.1	28.7





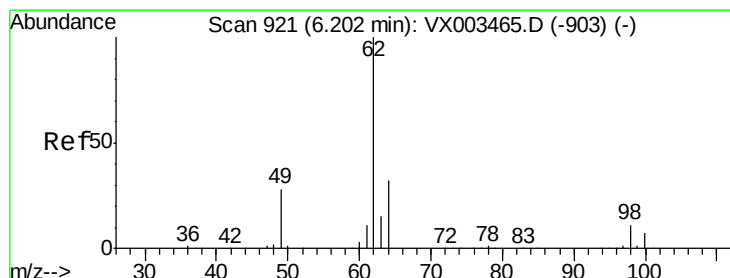
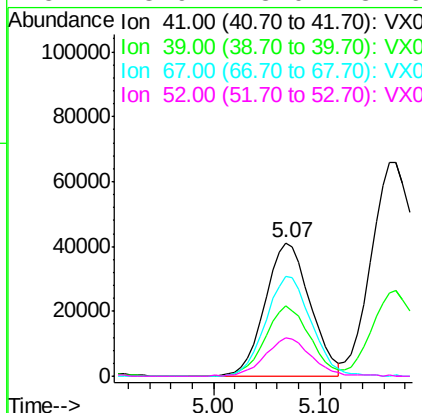
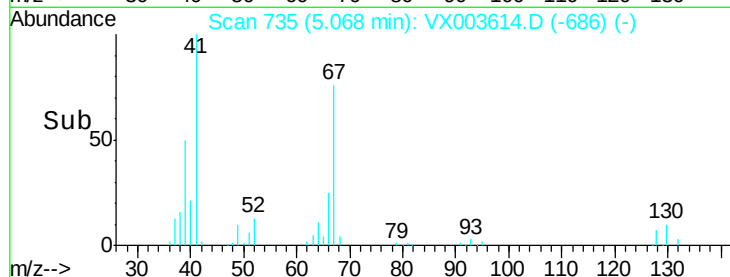
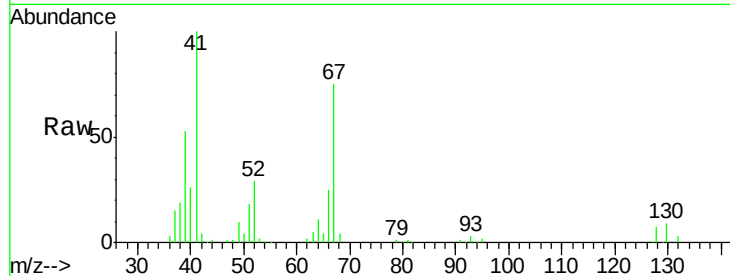
#41
Methacrylonitrile
Concen: 52.29 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	45.8	68.6	
67	75.6	51.3	76.9	
52	28.9	23.0	34.6	

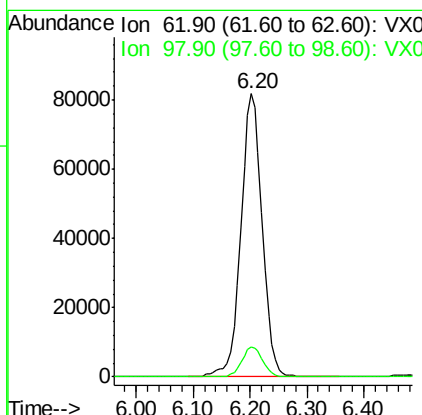
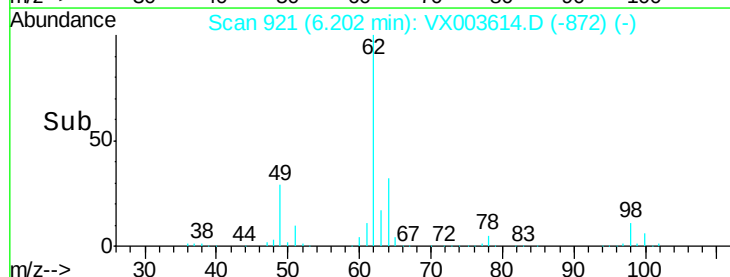
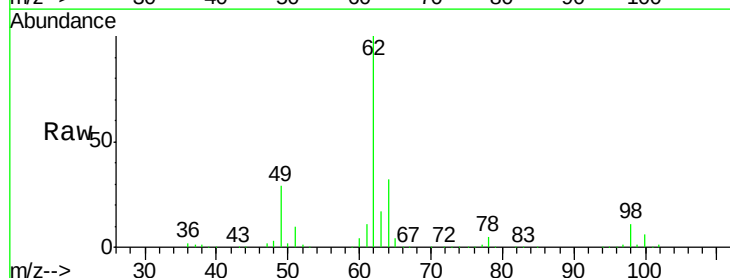
Manual Integrations
APPROVED

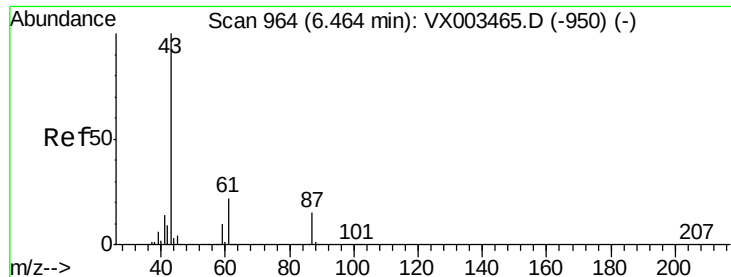
MMDadoda
7/24/2018 12:37:40 PM



#42
1,2-Dichloroethane
Concen: 53.88 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	16.6	





#43

Isopropyl Acetate

Concen: 53.12 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

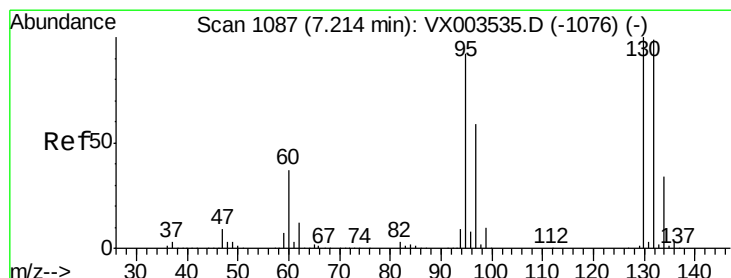
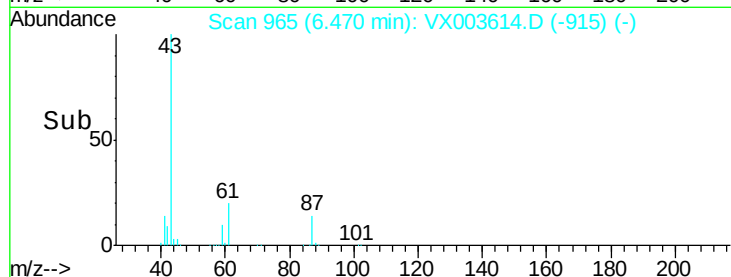
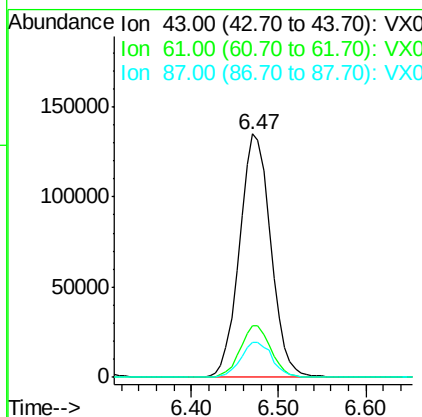
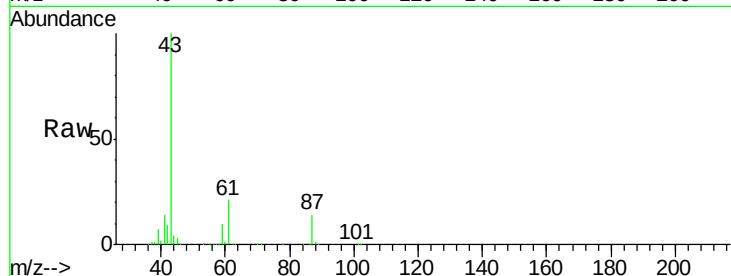
ClientSampleId :

YT-MW-7MSD

Tot Ion:	43	Resp:	332931
Ion Ratio		Lower	Upper
43	100		
61	21.0	14.4	21.6
87	14.6	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#44

Trichloroethene

Concen: 50.75 ug/l

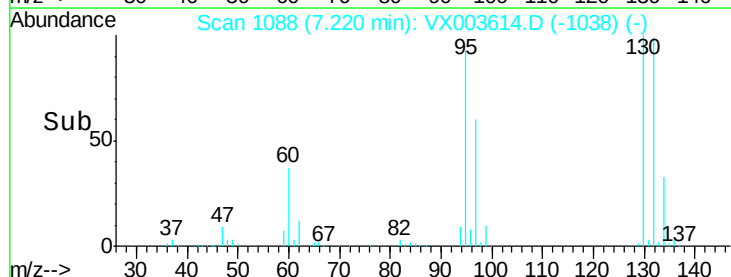
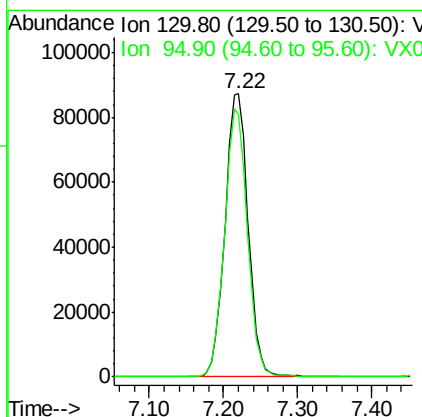
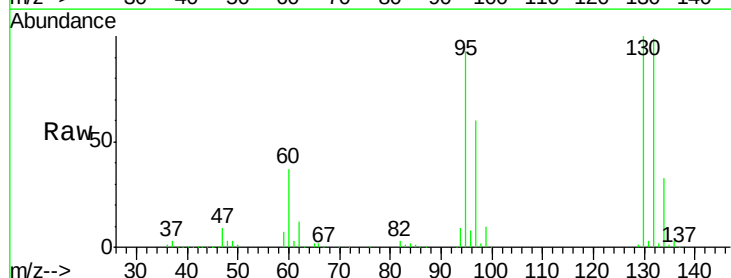
RT: 7.22 min Scan# 1088

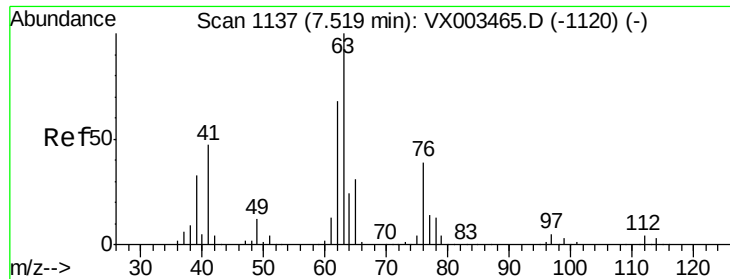
Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	130	Resp:	190263
Ion Ratio		Lower	Upper
130	100		
95	93.0	0.0	185.4





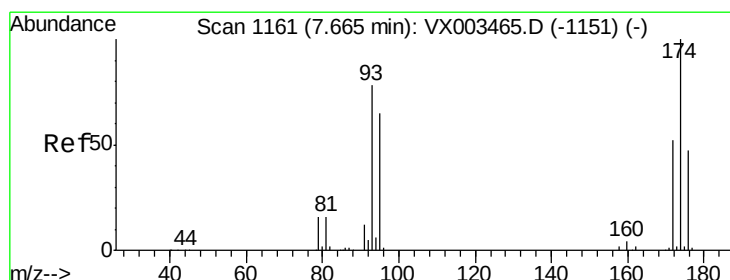
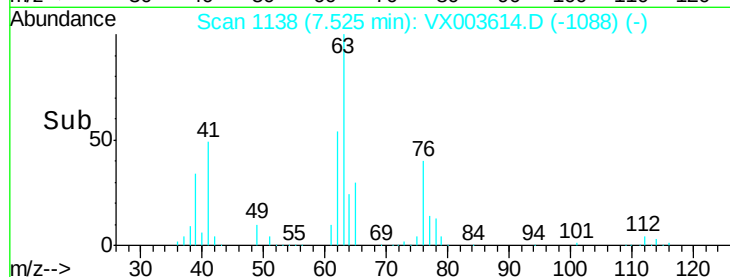
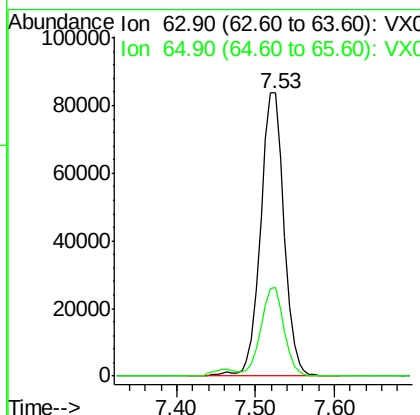
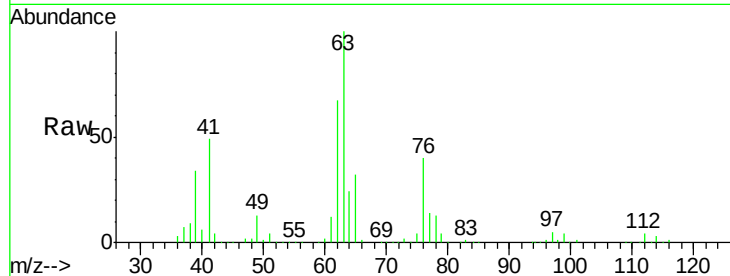
#45
 1,2-Dichloropropane
 Concen: 54.42 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion: 63 Resp: 173704
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

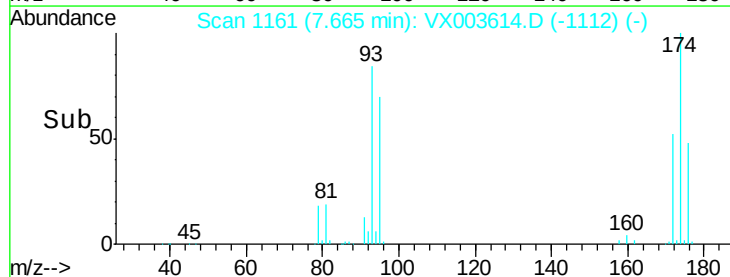
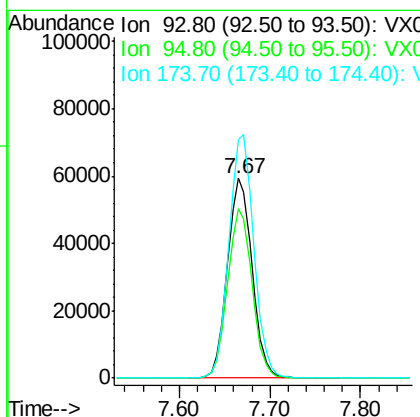
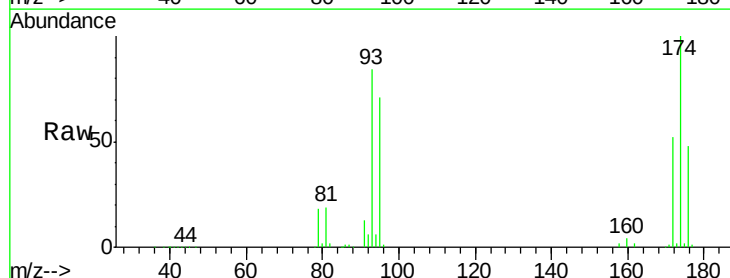
Manual Integrations
 APPROVED

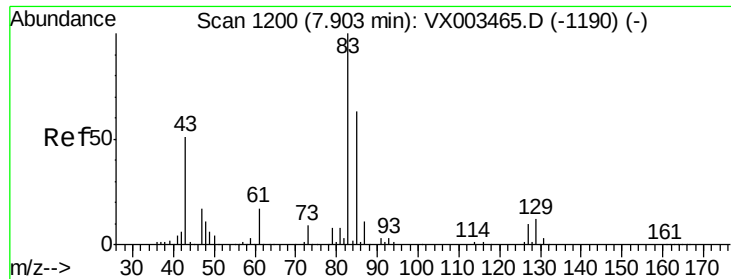
MMDadoda
 7/24/2018 12:37:40 PM



#46
 Dibromomethane
 Concen: 54.61 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Tgt Ion: 93 Resp: 112230
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 122.8 92.4 138.6





#47

Bromodichloromethane

Concen: 57.34 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

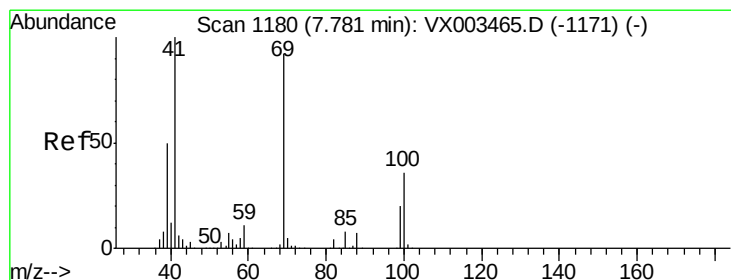
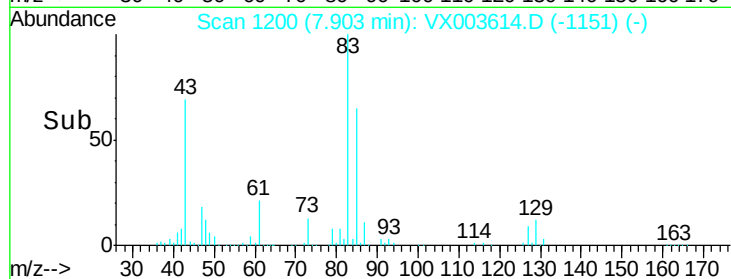
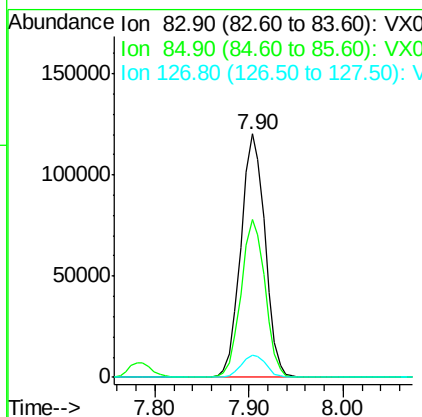
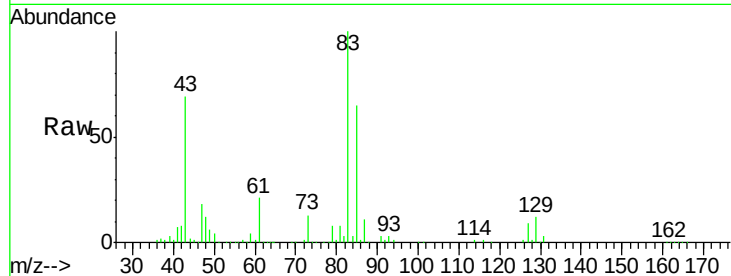
ClientSampleId :

YT-MW-7MSD

Tot Ion:	83	Resp:	215734
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#48

Methyl methacrylate

Concen: 57.72 ug/l

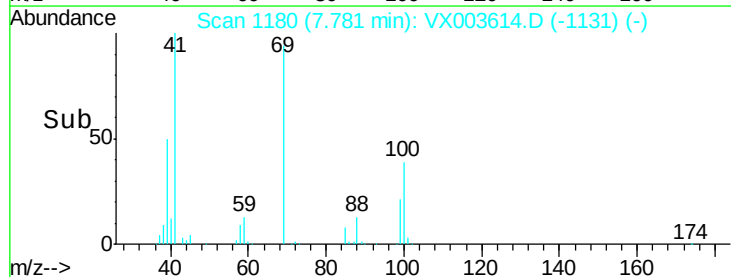
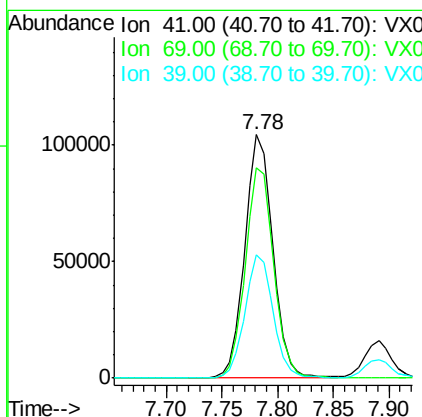
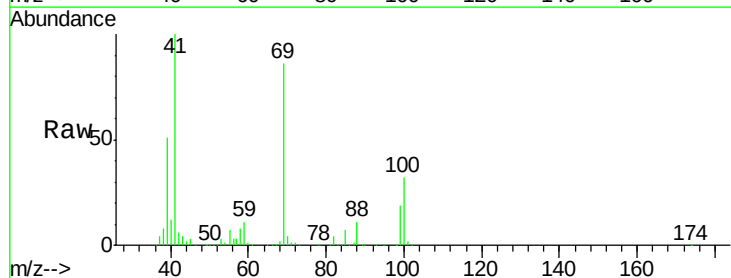
RT: 7.78 min Scan# 1180

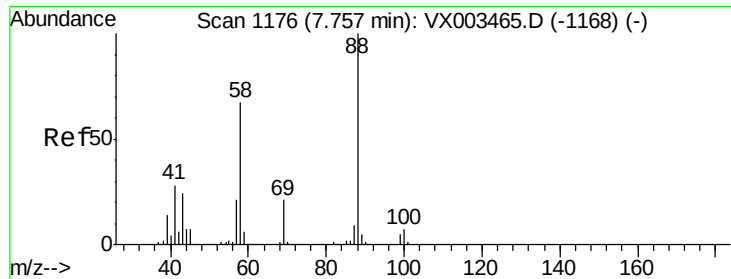
Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion:	41	Resp:	182420
Ion	Ratio	Lower	Upper
41	100		
69	88.4	59.1	88.7
39	50.9	48.9	73.3





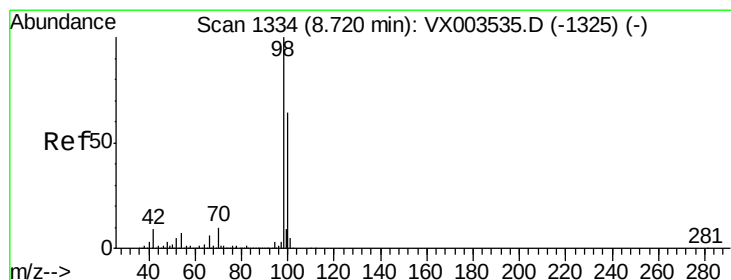
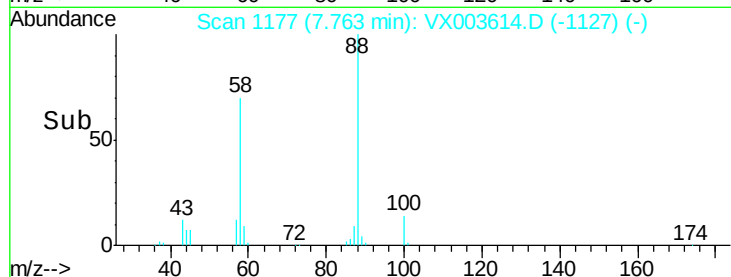
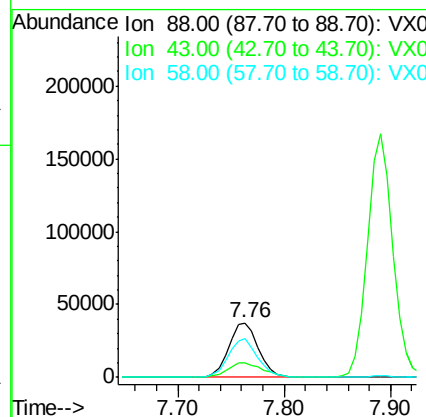
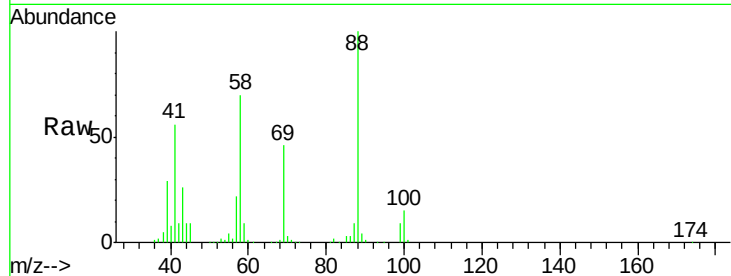
#49
1,4-Dioxane
Concen: 1014.21 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	29.8	44.6
58	71.3	57.1	85.7

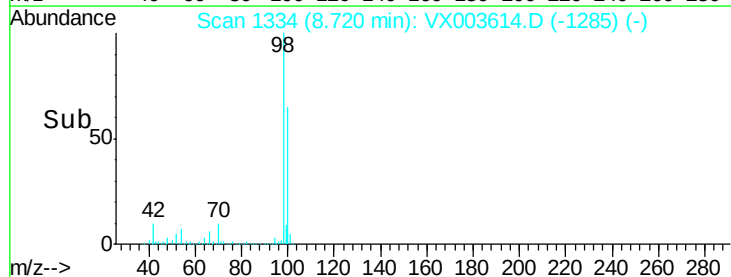
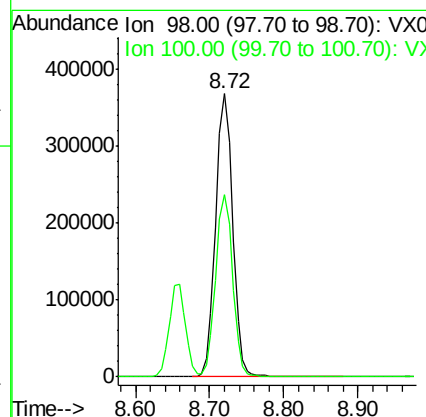
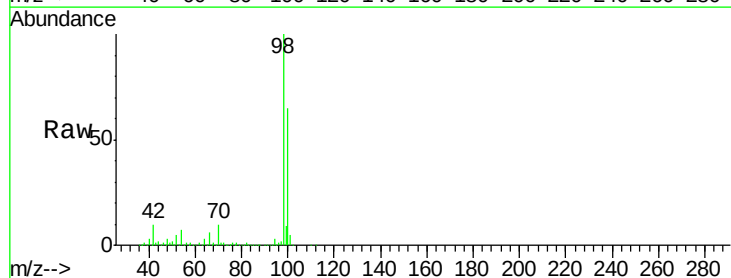
Manual Integrations
APPROVED

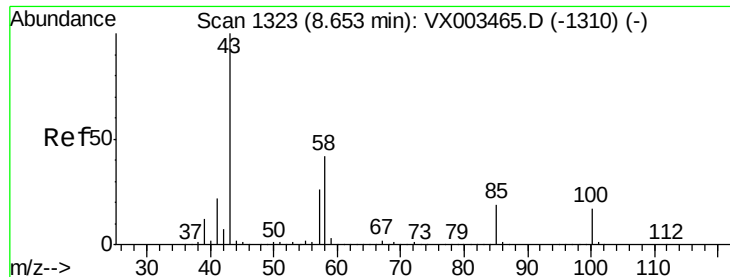
MMDadoda
7/24/2018 12:37:40 PM



#50
Toluene-d8
Concen: 52.68 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 297.87 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 43 Resp: 1179421

Ion Ratio Lower Upper

43 100

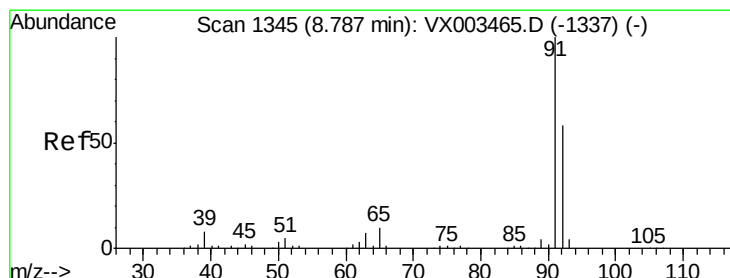
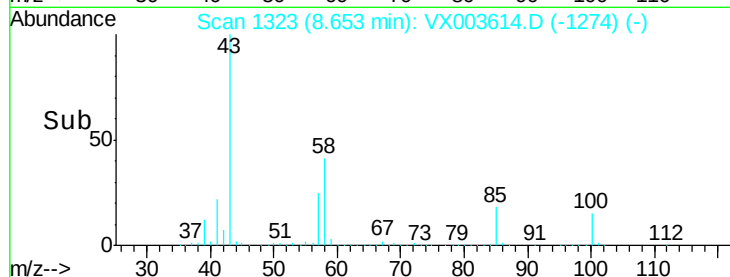
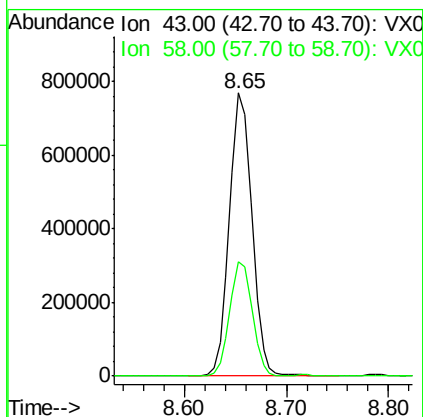
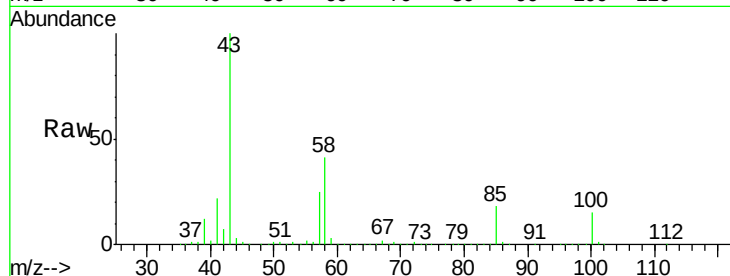
58 40.4 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#52

Toluene

Concen: 52.99 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003614.D

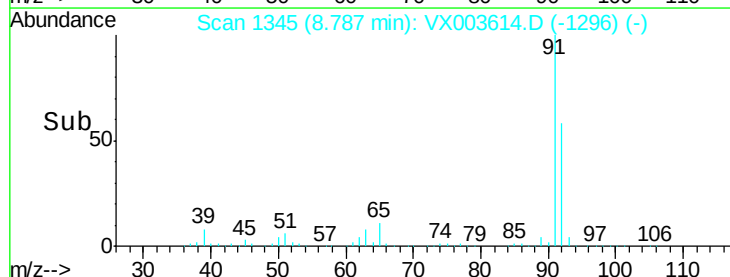
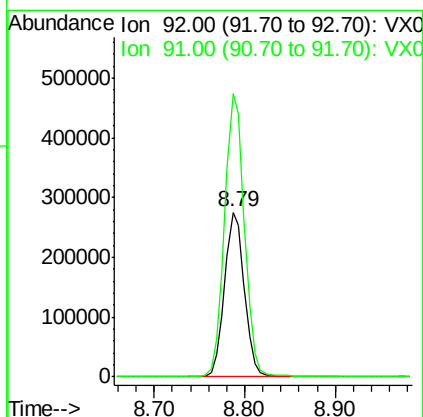
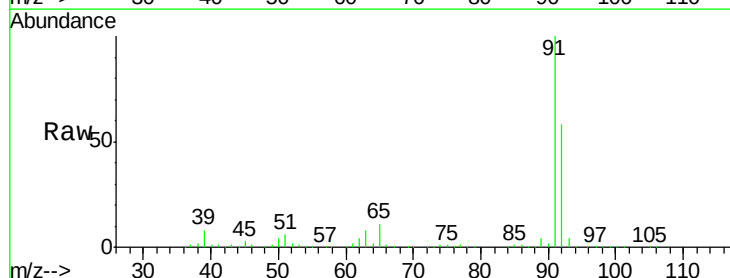
Acq: 23 Jul 2018 19:36

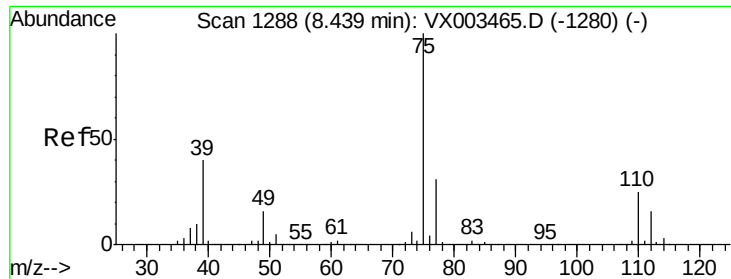
Tgt Ion: 92 Resp: 419319

Ion Ratio Lower Upper

92 100

91 172.7 140.4 210.6





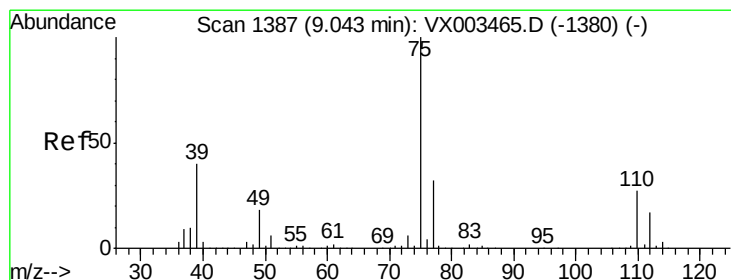
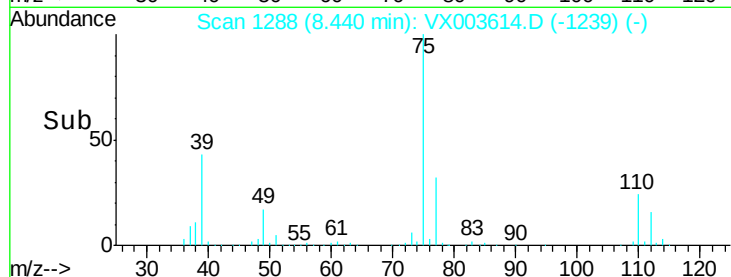
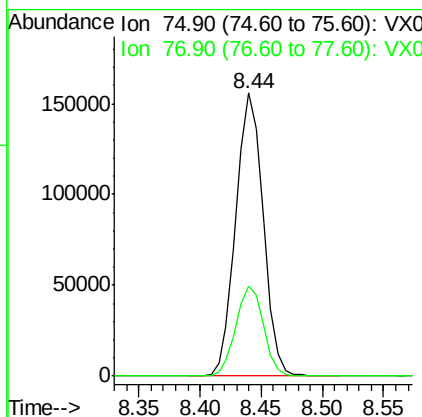
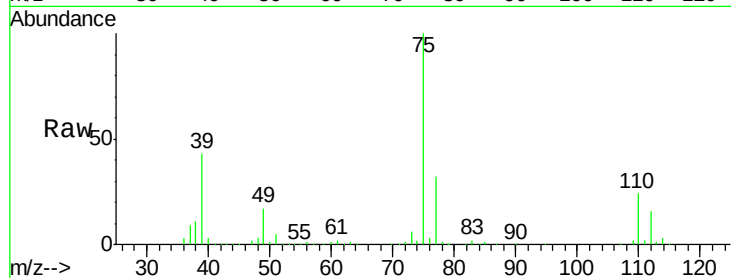
#53
t-1,3-Dichloropropene
Concen: 52.27 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion: 75 Resp: 242034
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

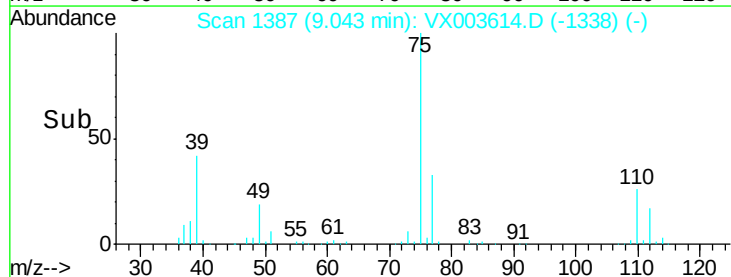
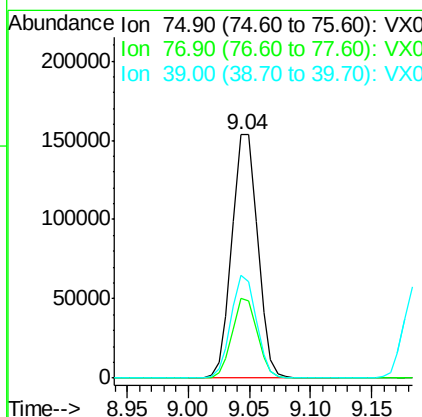
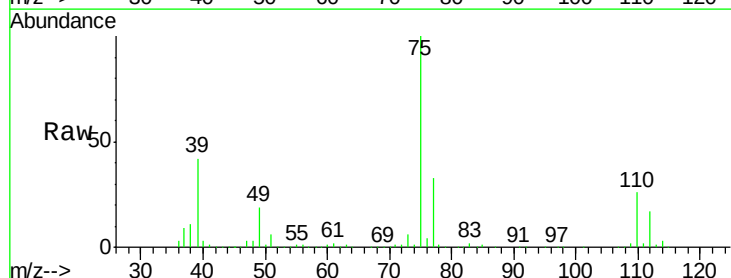
Manual Integrations
APPROVED

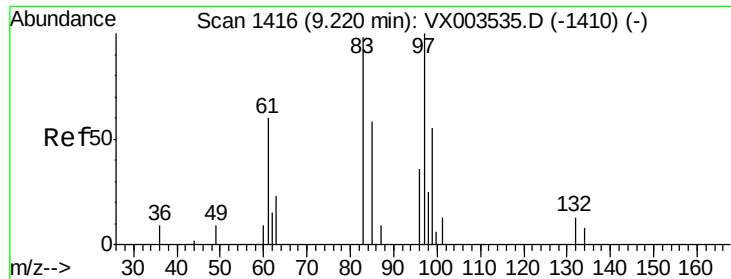
MMDadoda
7/24/2018 12:37:40 PM



#54
cis-1,3-Dichloropropene
Concen: 54.04 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion: 75 Resp: 225027
Ion Ratio Lower Upper
75 100
77 32.6 24.8 37.2
39 42.2 42.4 63.6#





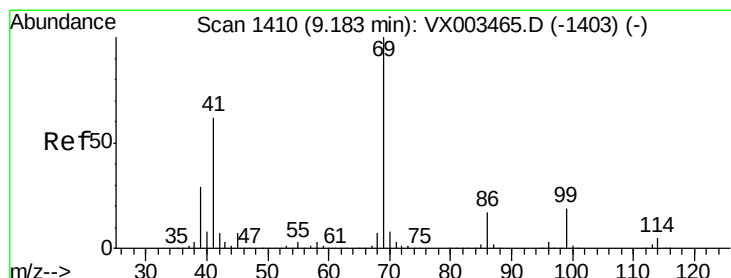
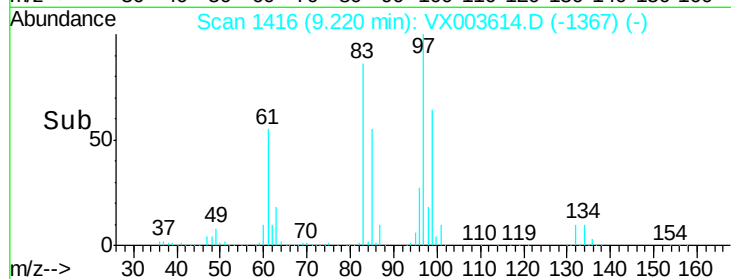
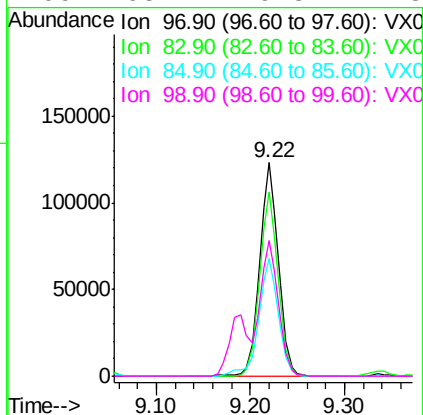
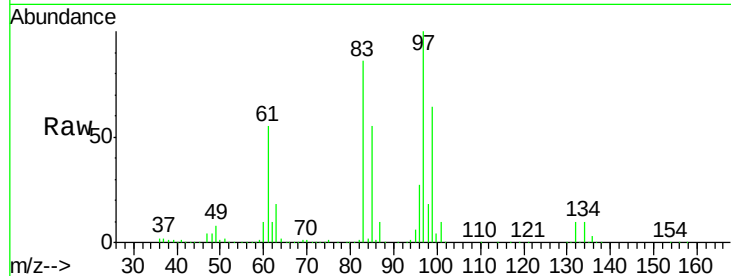
#55
1,1,2-Trichloroethane
Concen: 55.22 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.2	105.2
85	55.0	44.9	67.3
99	63.7	49.8	74.8

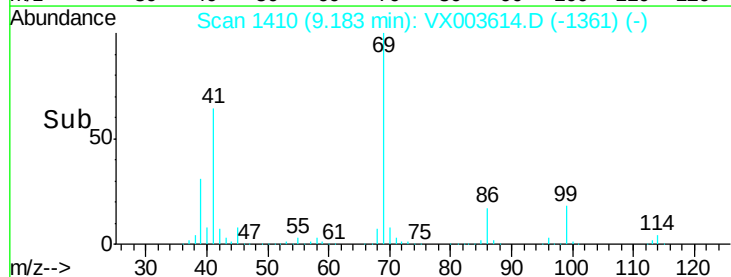
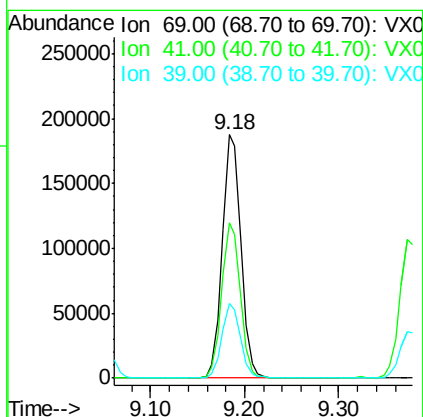
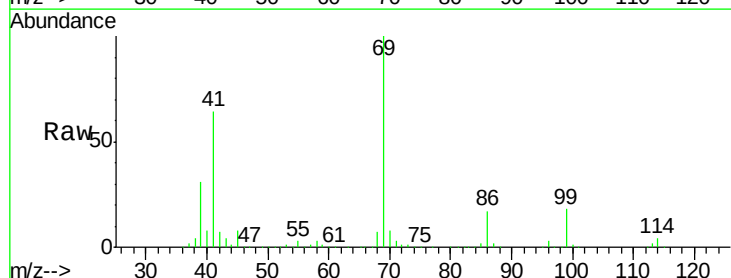
Manual Integrations
APPROVED

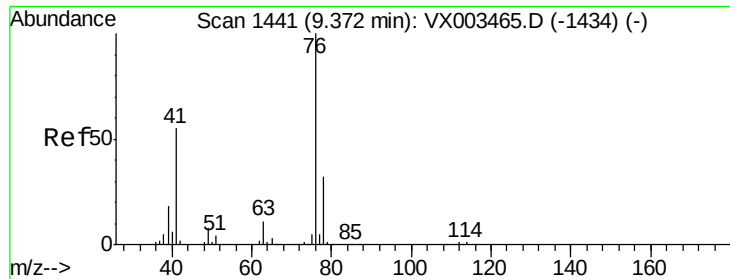
MMDadoda
7/24/2018 12:37:40 PM



#56
Ethyl methacrylate
Concen: 57.98 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	60.3	90.5
39	30.7	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 54.86 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampled :

YT-MW-7MSD

Tot Ion: 76 Resp: 279202

Ion Ratio Lower Upper

76 100

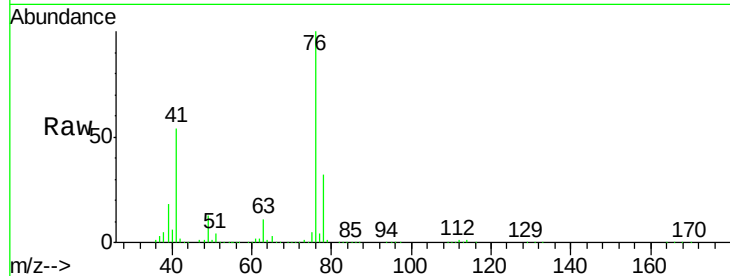
78 32.2 25.8 38.6

Manual Integrations

APPROVED

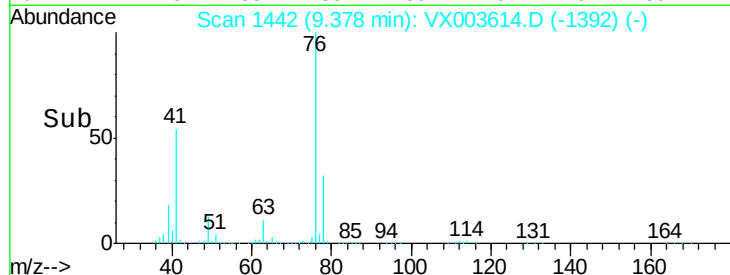
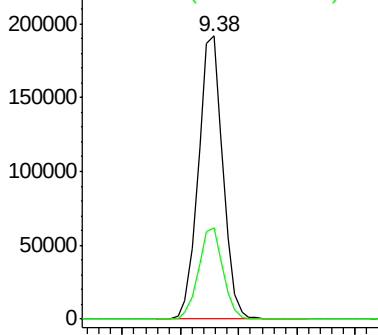
MMDadoda

7/24/2018 12:37:40 PM

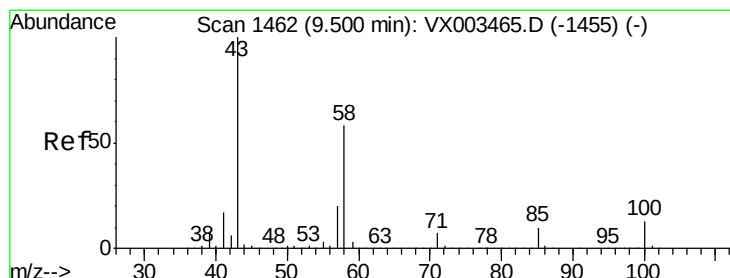


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#59

2-Hexanone

Concen: 299.60 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003614.D

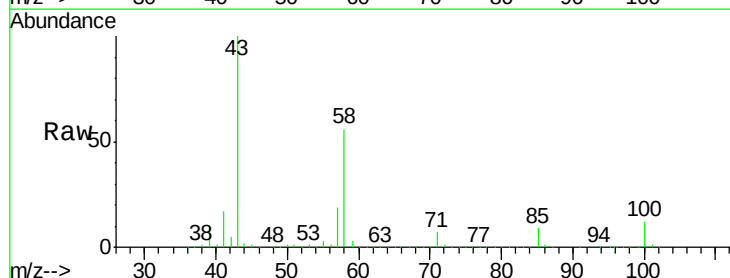
Acq: 23 Jul 2018 19:36

Tgt Ion: 43 Resp: 878904

Ion Ratio Lower Upper

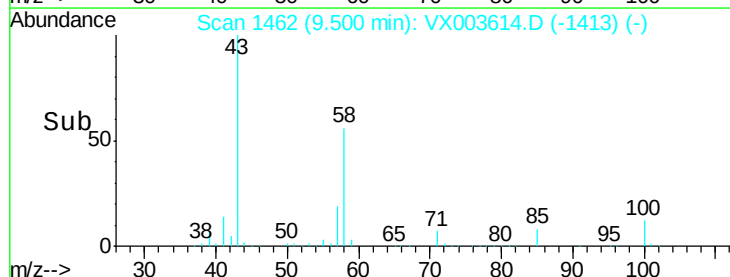
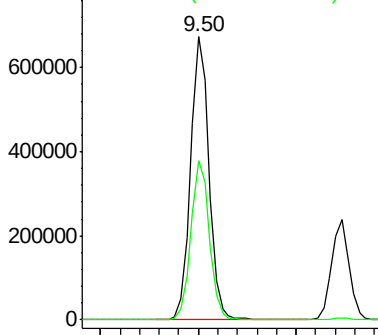
43 100

58 56.6 24.6 73.6

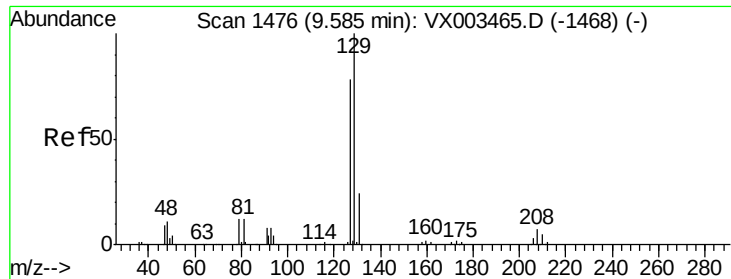


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 57.44 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion:129 Resp: 179036

Ion Ratio Lower Upper

129 100

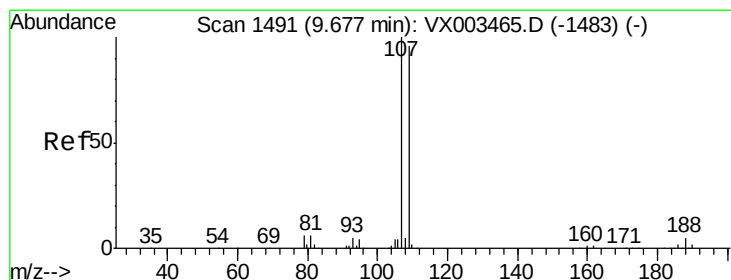
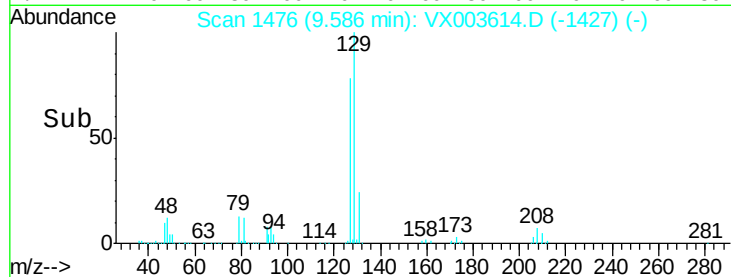
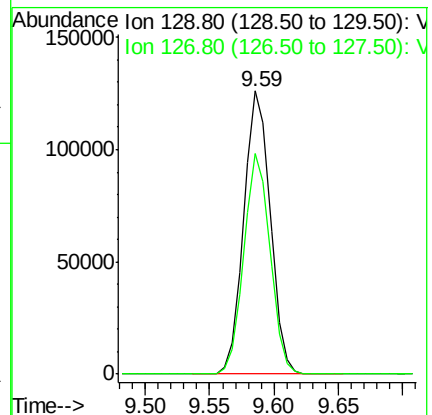
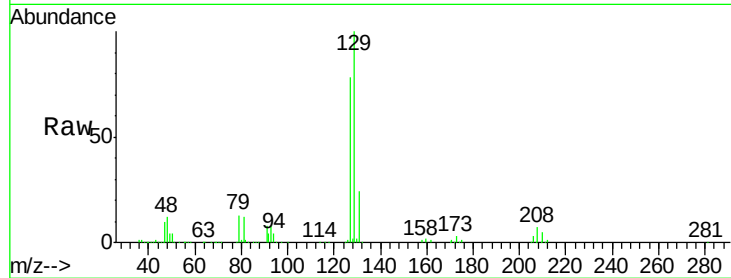
127 77.0 38.5 115.3

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#61

1,2-Dibromoethane

Concen: 54.62 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003614.D

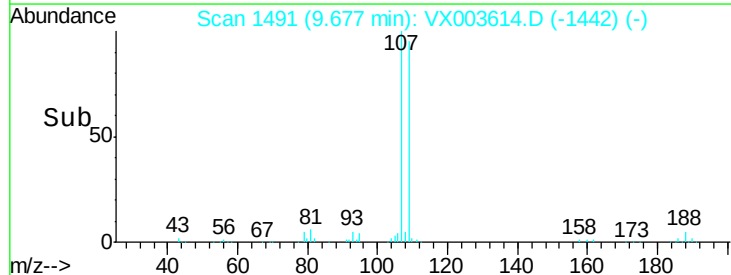
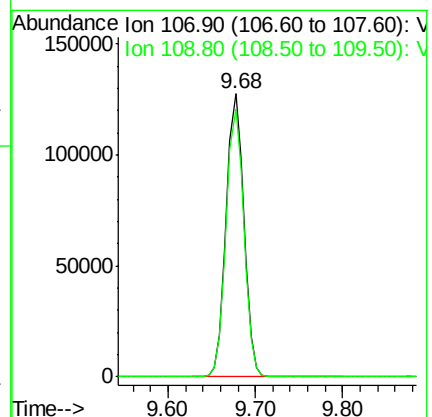
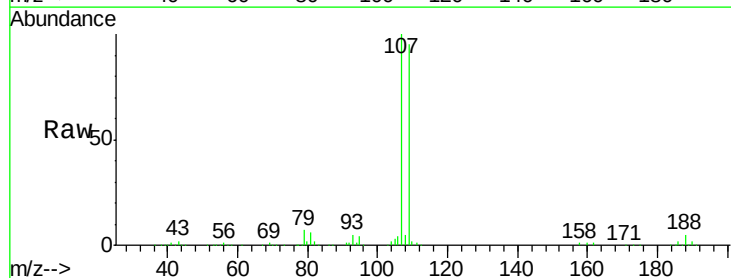
Acq: 23 Jul 2018 19:36

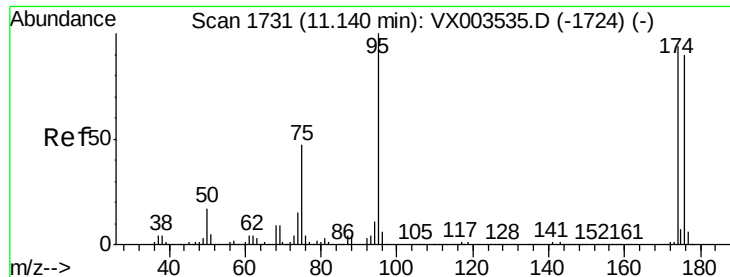
Tgt Ion:107 Resp: 178273

Ion Ratio Lower Upper

107 100

109 95.2 75.3 112.9





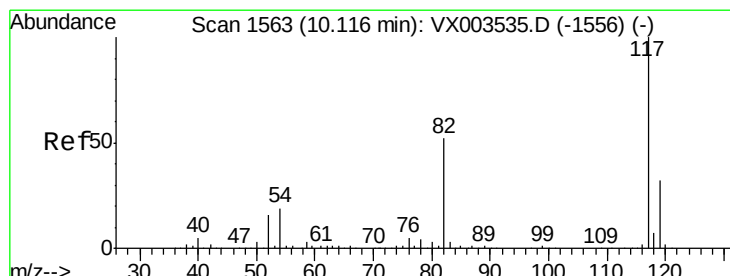
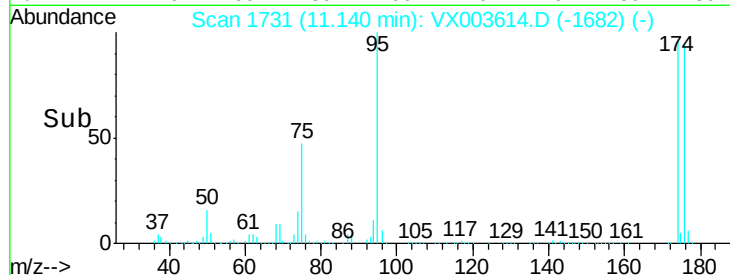
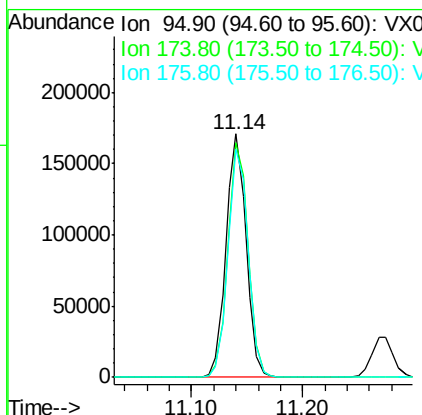
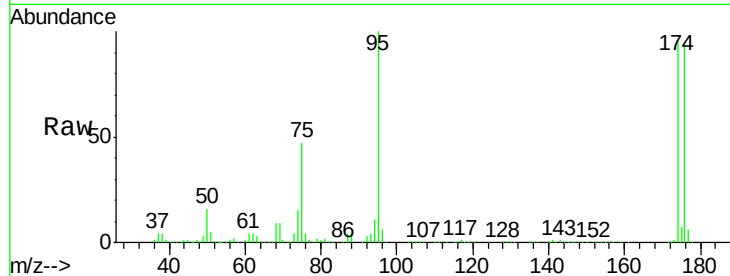
#62
4-Bromofluorobenzene
Concen: 52.94 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampled :
YT-MW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	213280		
174	96.8	0.0	187.4	
176	94.3	0.0	181.0	

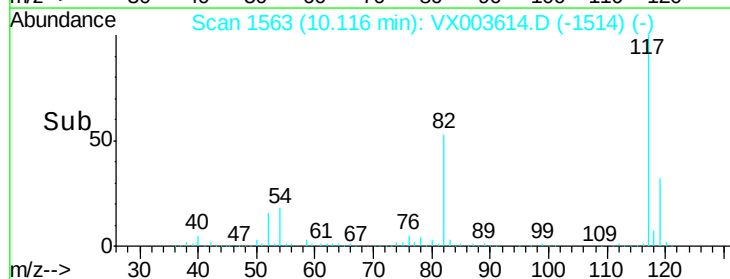
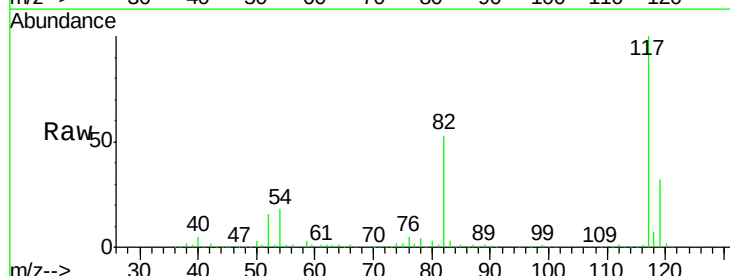
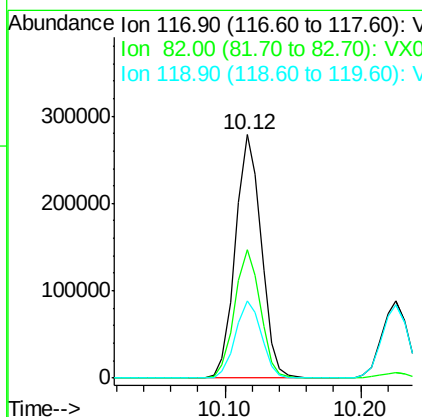
Manual Integrations
APPROVED

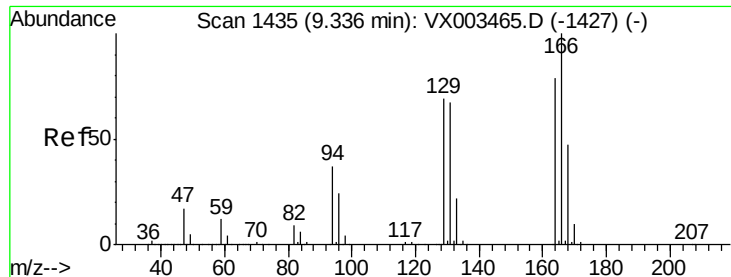
MMDadoda
7/24/2018 12:37:40 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	369032		
82	52.7	45.0	67.4	
119	31.9	25.8	38.6	





#64

Tetrachloroethene

Concen: 48.53 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion:164 Resp: 218204

Ion Ratio Lower Upper

164 100

166 128.4 102.9 154.3

129 85.2 68.6 102.8

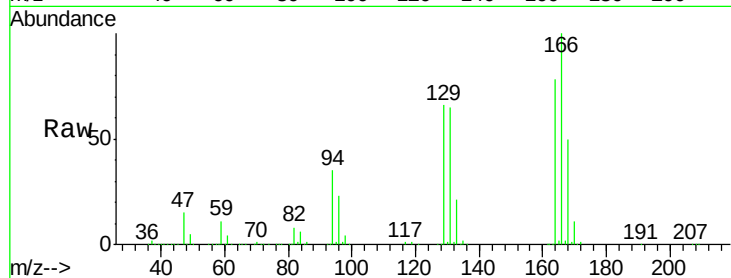
131 83.7 66.8 100.2

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM

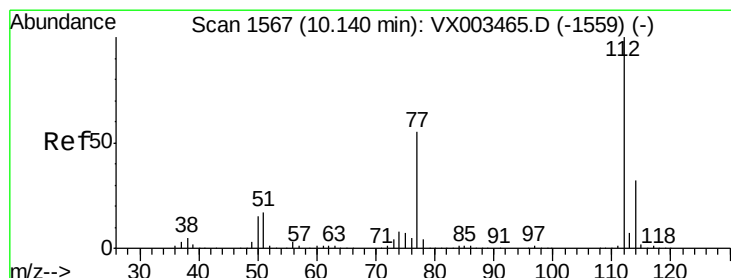
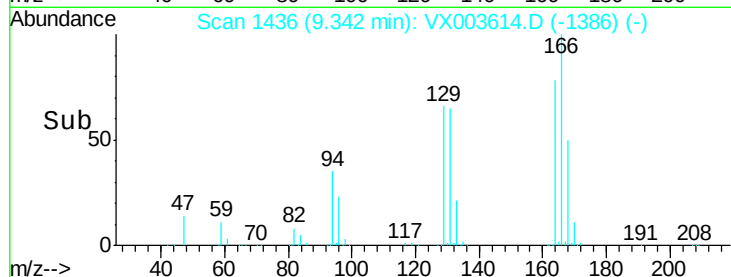
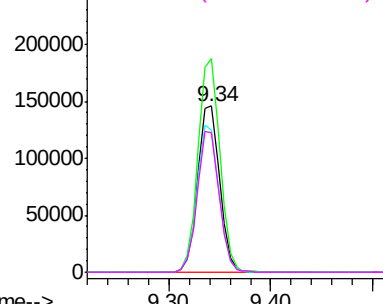


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.49 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003614.D

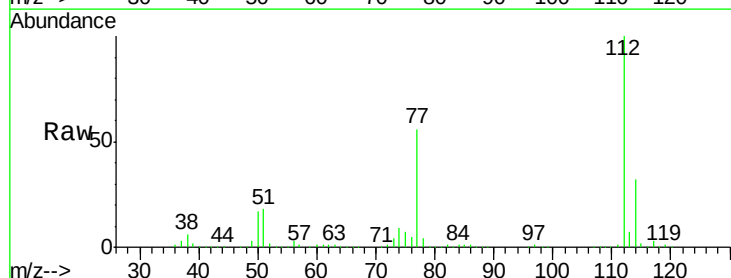
Acq: 23 Jul 2018 19:36

Tgt Ion:112 Resp: 480072

Ion Ratio Lower Upper

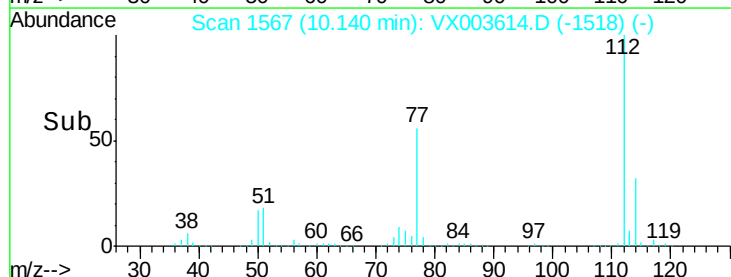
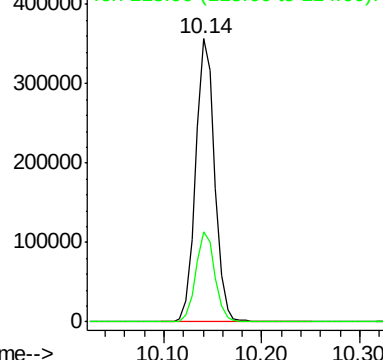
112 100

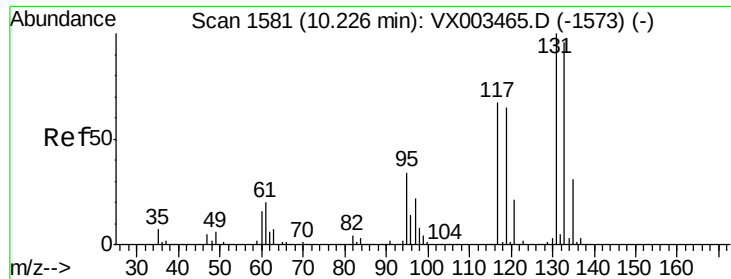
114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





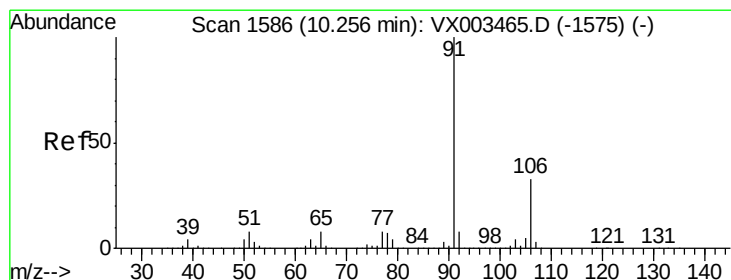
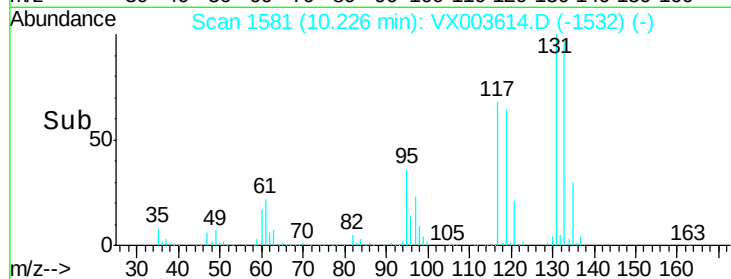
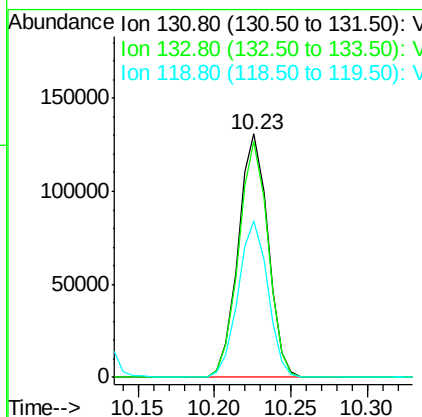
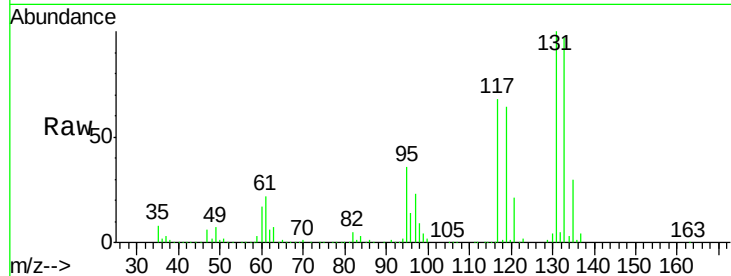
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.99 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.6
119	64.3	31.8	95.3

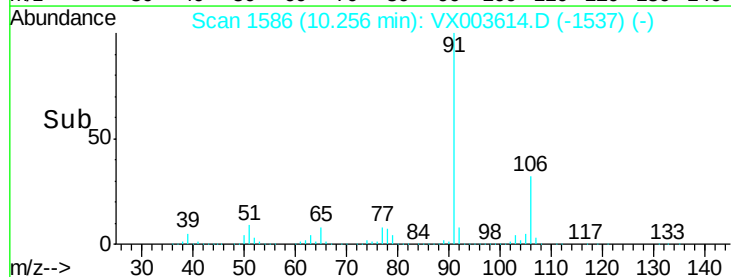
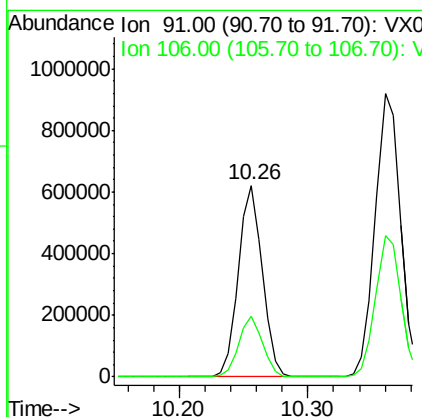
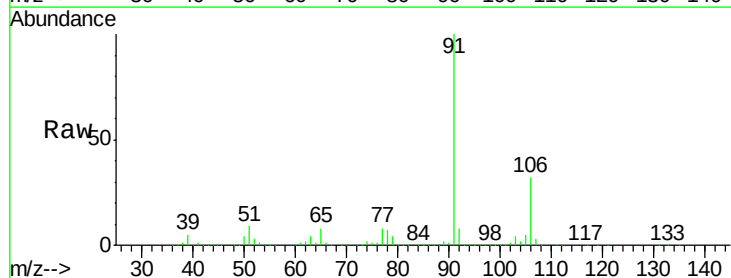
Manual Integrations
 APPROVED

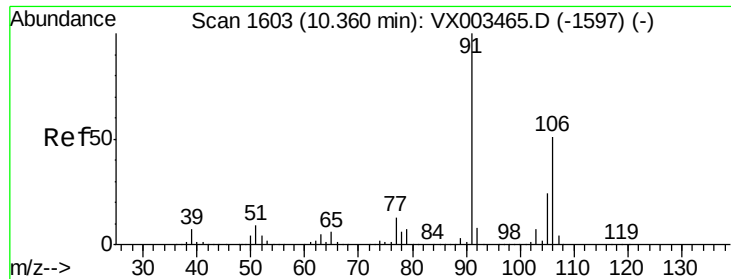
MMDadoda
 7/24/2018 12:37:40 PM



#67
 Ethyl Benzene
 Concen: 52.44 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.5	38.3





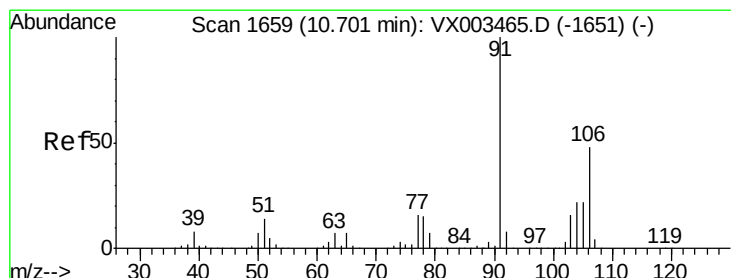
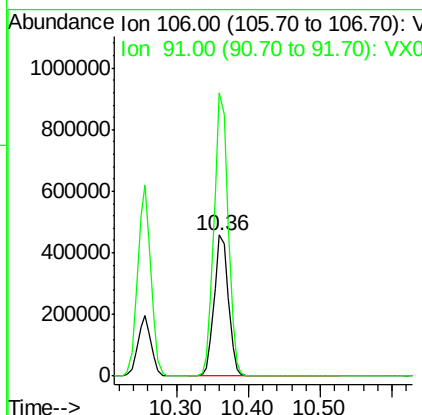
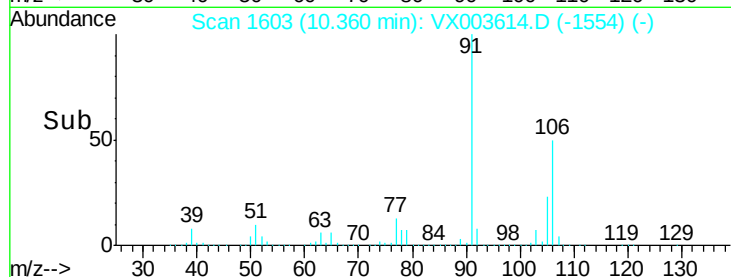
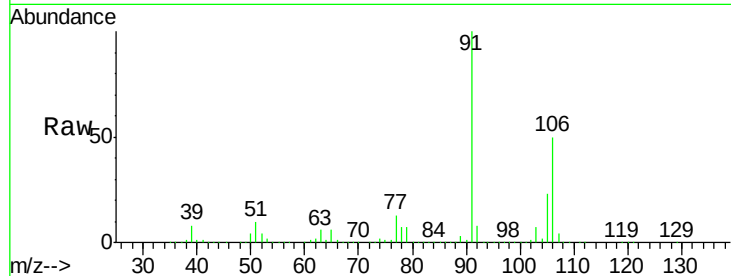
#68
m/p-Xylenes
Concen: 103.86 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampled :
YT-MW-7MSD

Tot Ion:106 Resp: 622469
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2

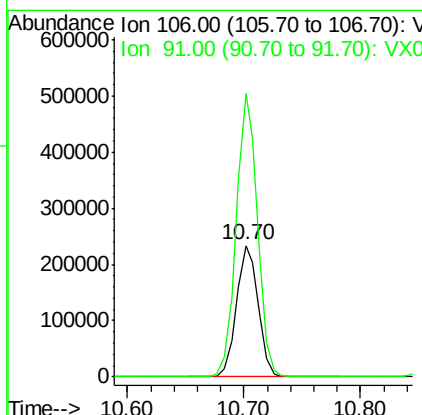
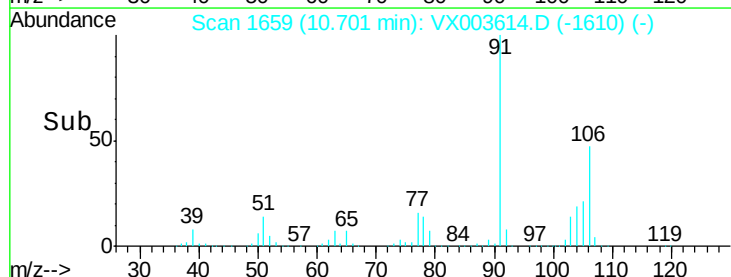
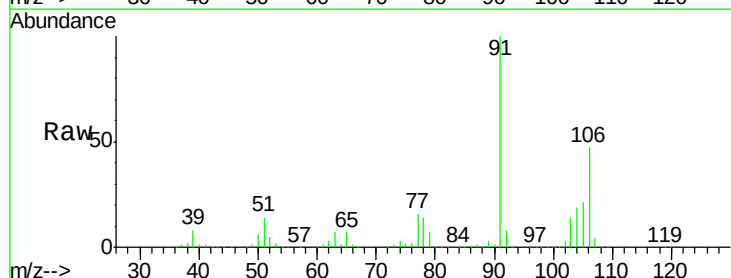
Manual Integrations
APPROVED

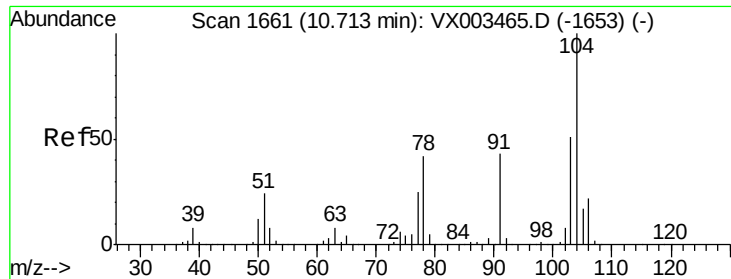
MMDadoda
7/24/2018 12:37:40 PM



#69
o-Xylene
Concen: 52.08 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion:106 Resp: 301847
Ion Ratio Lower Upper
106 100
91 211.4 108.2 324.6





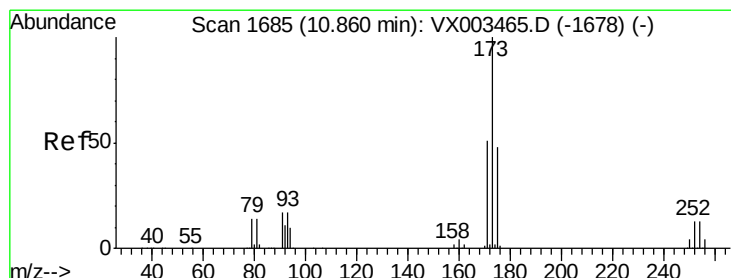
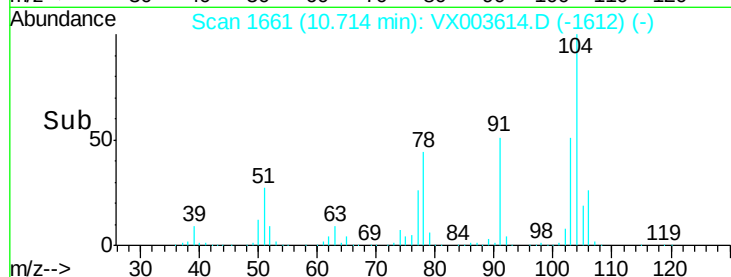
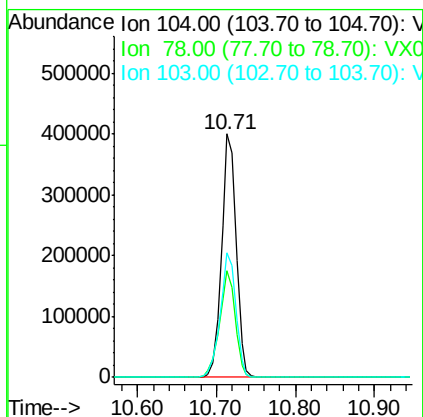
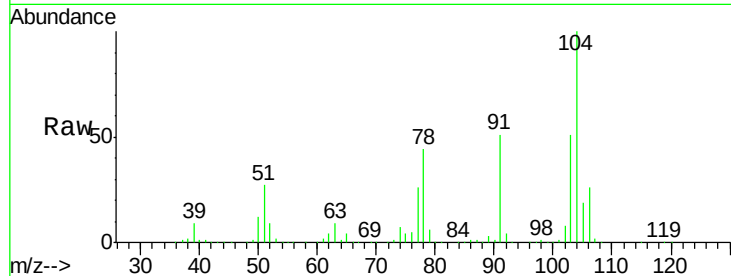
#70
Stvrene
Concen: 54.25 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	41.0	61.6
103	54.6	44.2	66.4

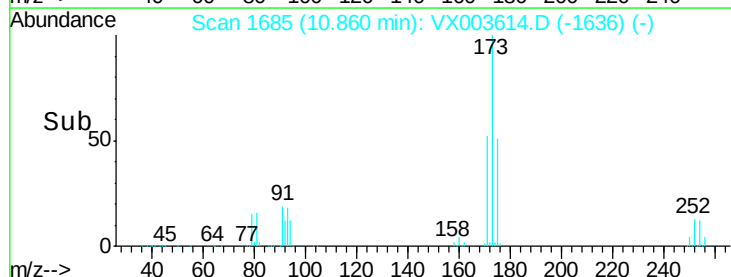
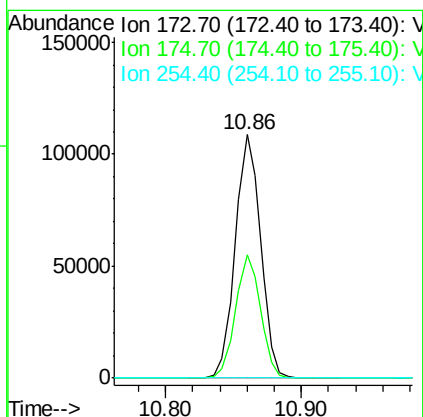
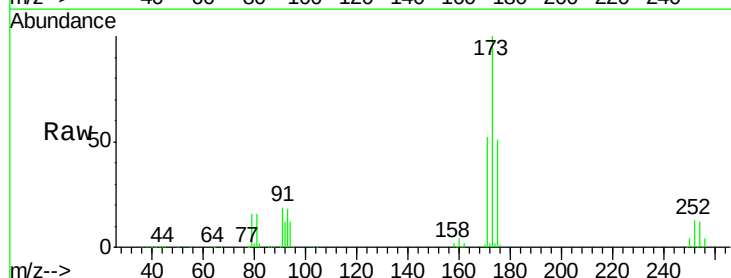
Manual Integrations
APPROVED

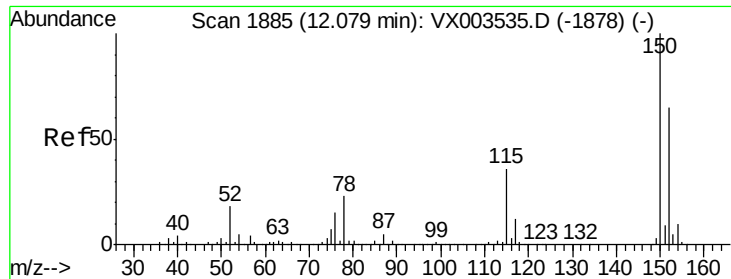
MMDadoda
7/24/2018 12:37:40 PM



#71
Bromoform
Concen: 55.55 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.7	74.1
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion:152 Resp: 224829

Ion Ratio Lower Upper

152 100

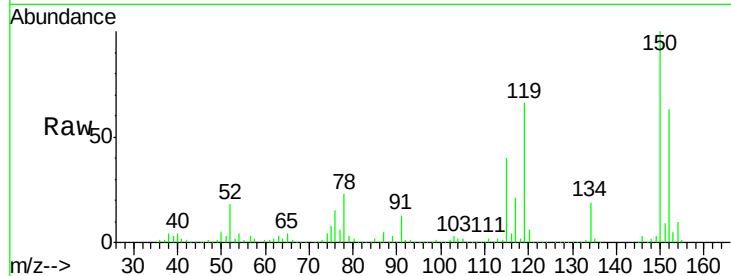
115 77.2 40.1 120.2

150 174.6 0.0 347.2

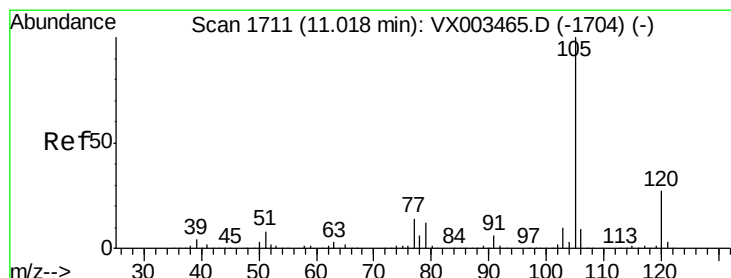
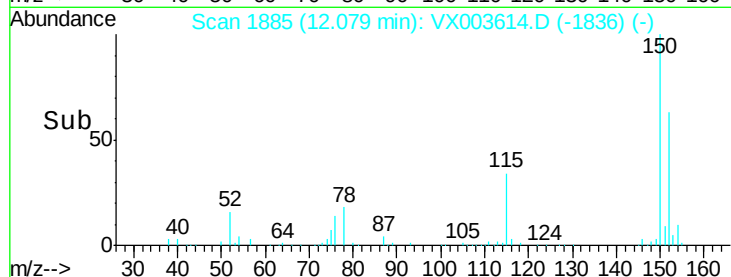
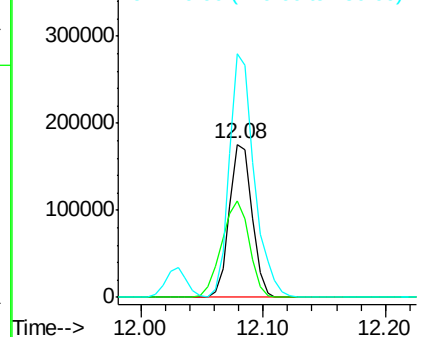
Manual Integrations
APPROVED

MMDadoda

7/24/2018 12:37:40 PM



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: 52.40 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003614.D

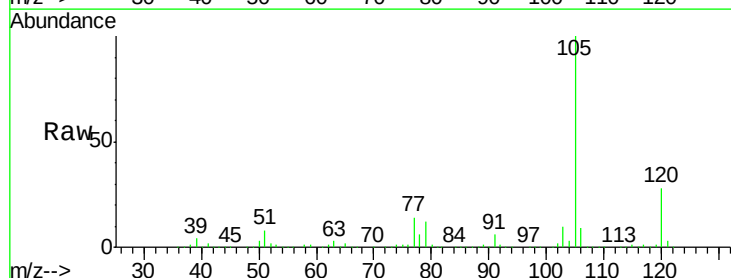
Acq: 23 Jul 2018 19:36

Tgt Ion:105 Resp: 814705

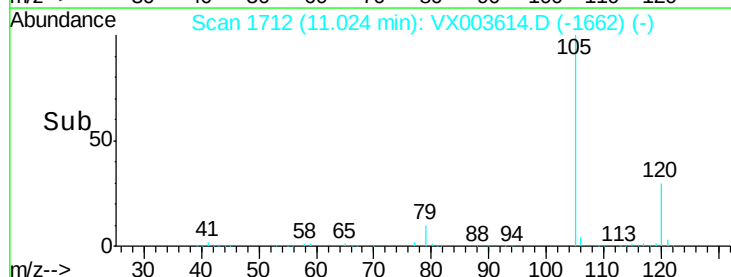
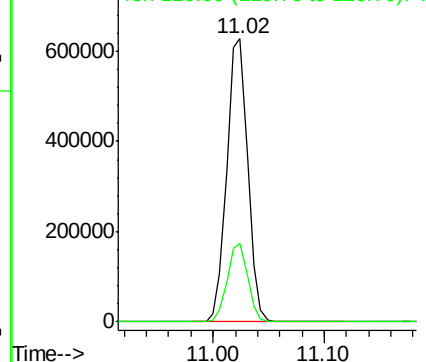
Ion Ratio Lower Upper

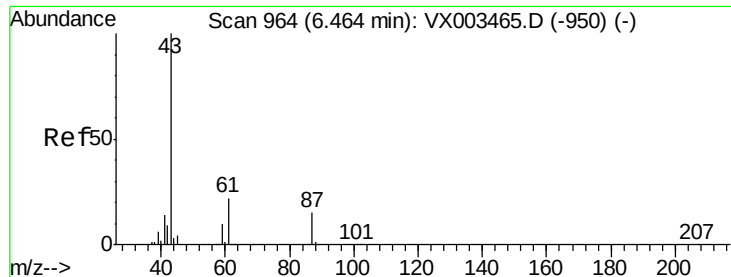
105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 50.43 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

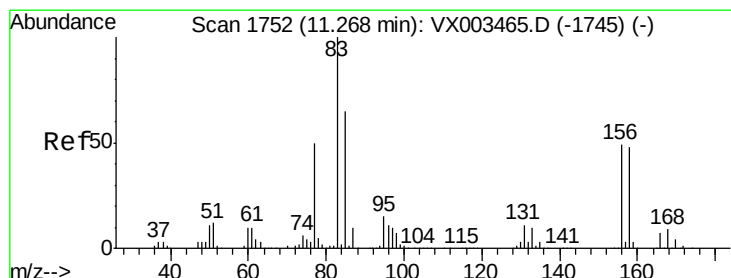
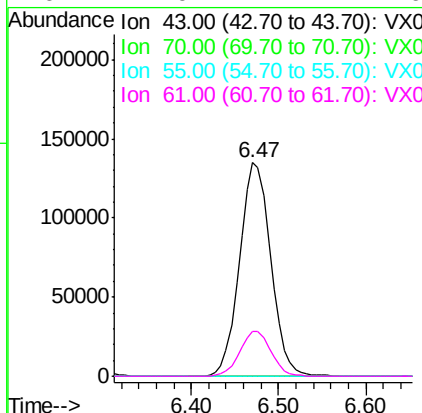
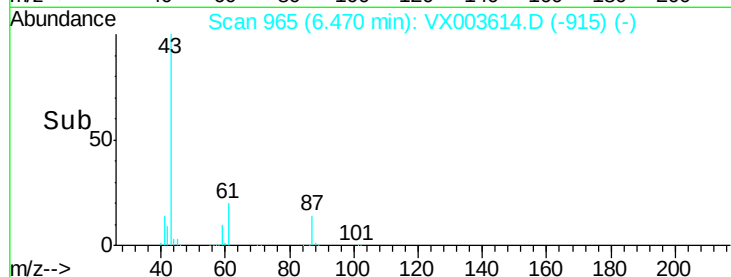
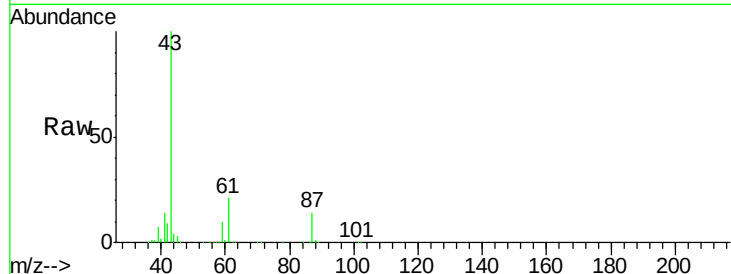
ClientSampleId :

YT-MW-7MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	0.1	0.0	0.0#		
55	0.2	0.0	0.0#		
61	21.0	14.4	21.6		

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 54.95 ug/l

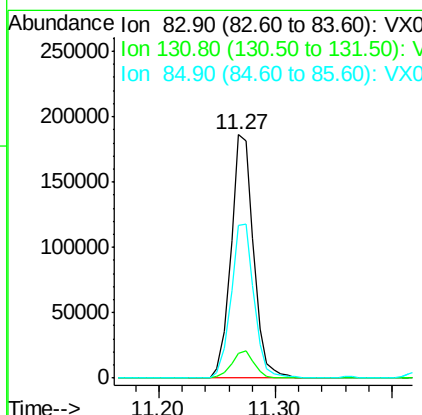
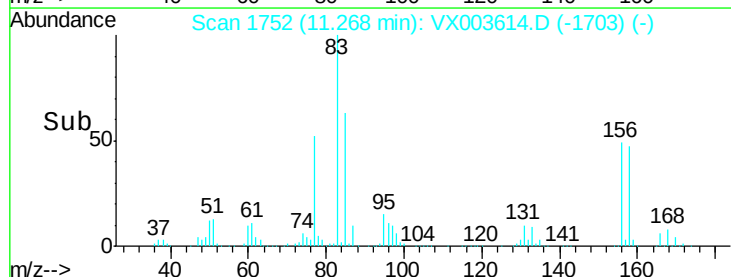
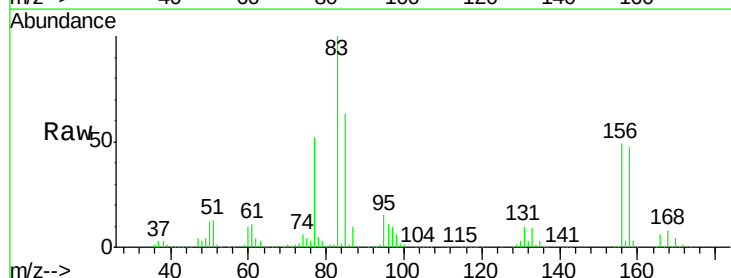
RT: 11.27 min Scan# 1752

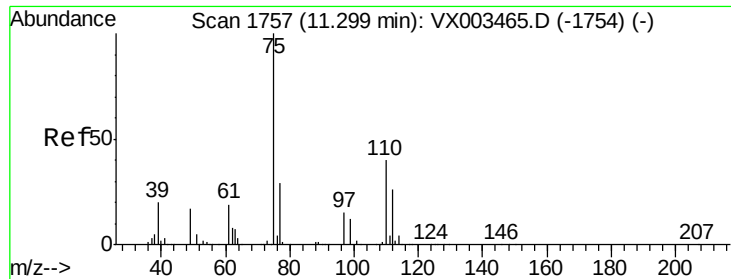
Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	11.0	5.6	16.8		
85	64.6	32.4	97.2		





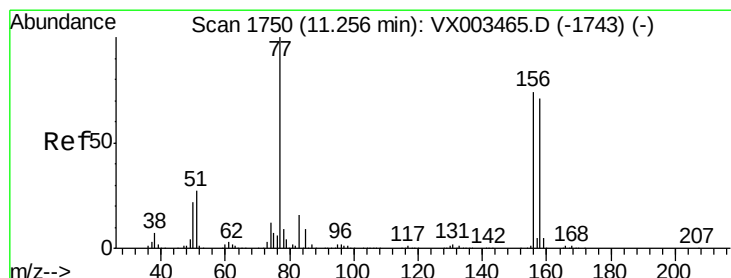
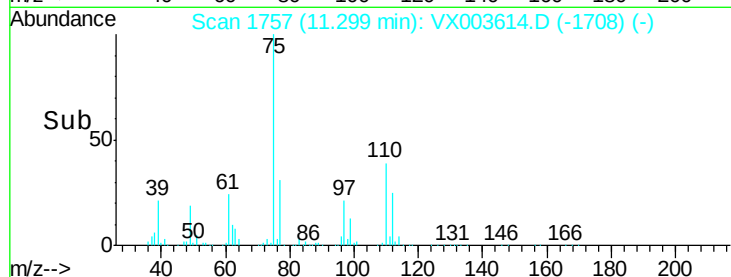
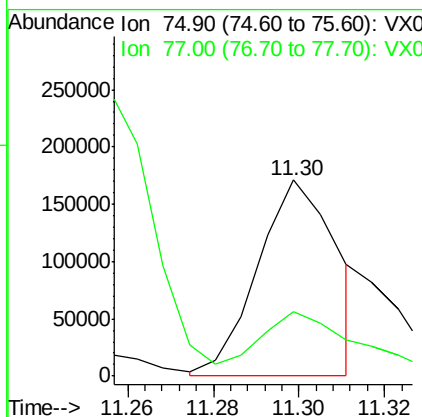
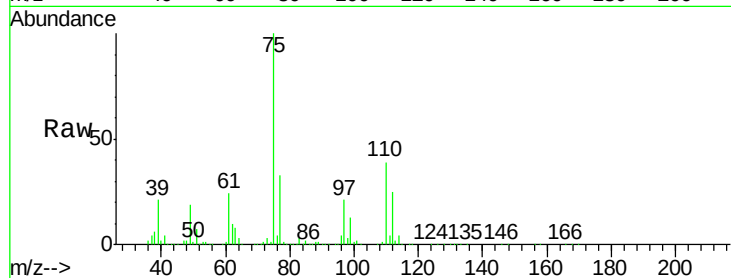
#76
1,2,3-Trichloropropane
Concen: 54.29 ug/l m
RT: 11.30 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion: 75 Resp: 219261
Ion Ratio Lower Upper
75 100
77 41.4 22.8 68.3

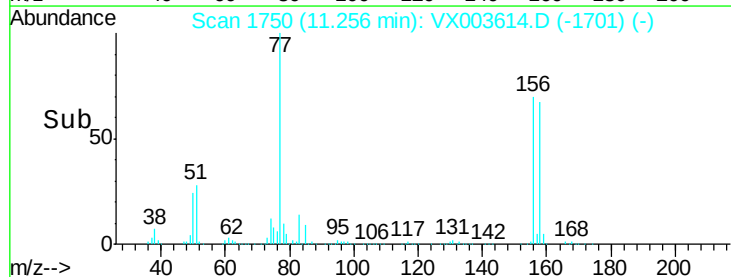
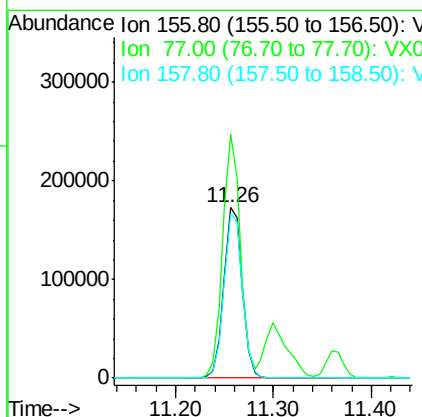
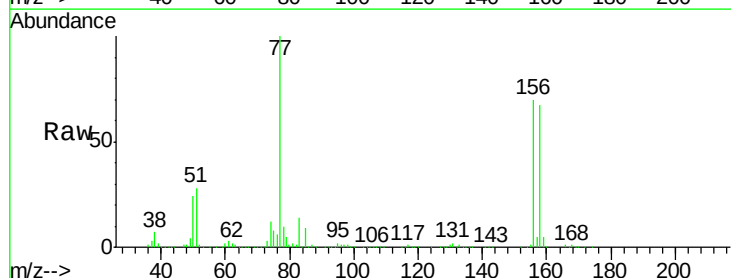
Manual Integrations
APPROVED

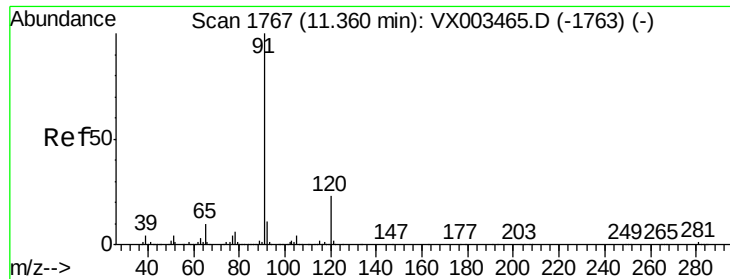
MMDadoda
7/24/2018 12:37:40 PM



#77
Bromobenzene
Concen: 50.19 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion: 156 Resp: 224447
Ion Ratio Lower Upper
156 100
77 137.8 71.4 214.2
158 97.1 48.9 146.6





#78

n-propylbenzene

Concen: 52.82 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 91 Resp: 912893

Ion Ratio Lower Upper

91 100

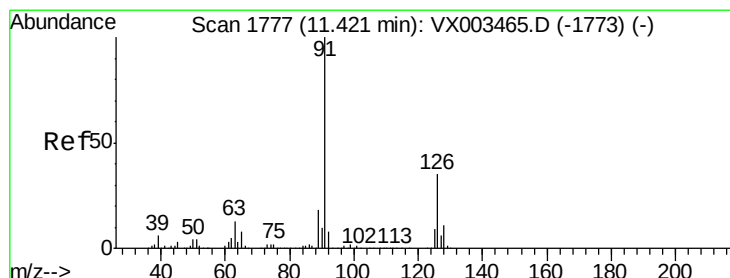
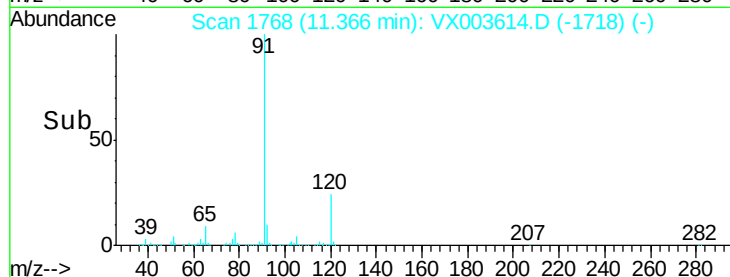
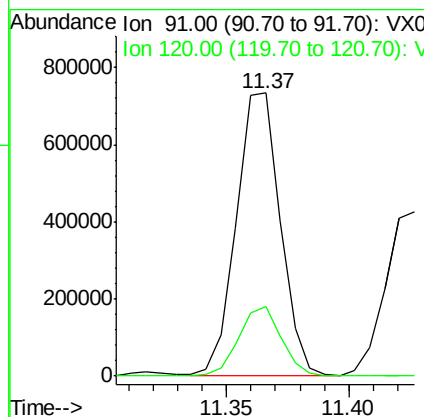
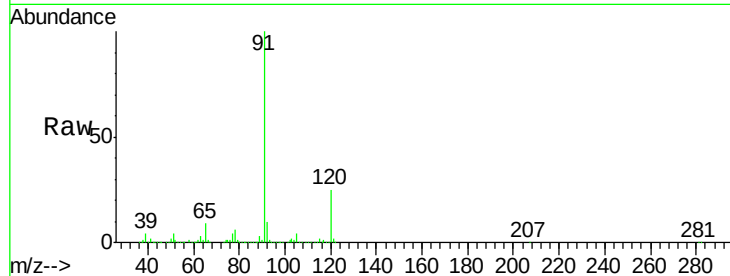
120 24.0 11.8 35.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#79

2-Chlorotoluene

Concen: 51.59 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003614.D

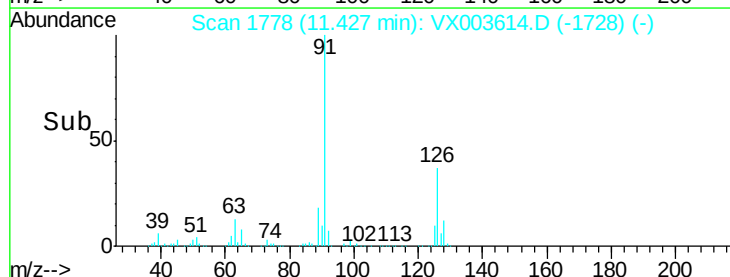
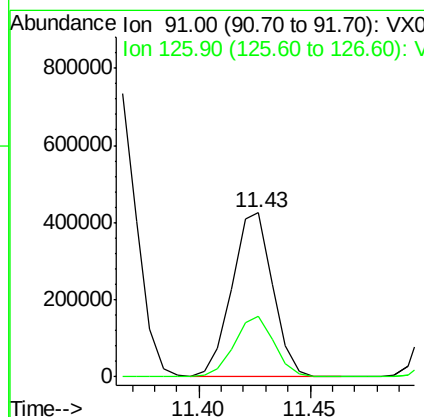
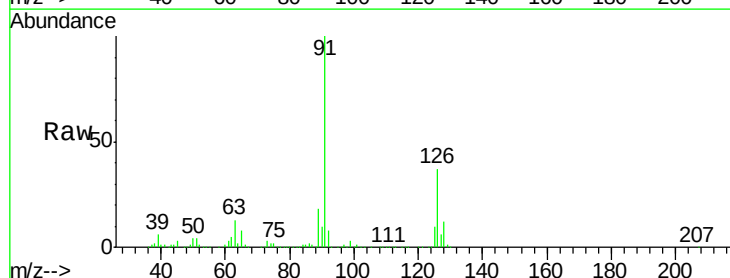
Acq: 23 Jul 2018 19:36

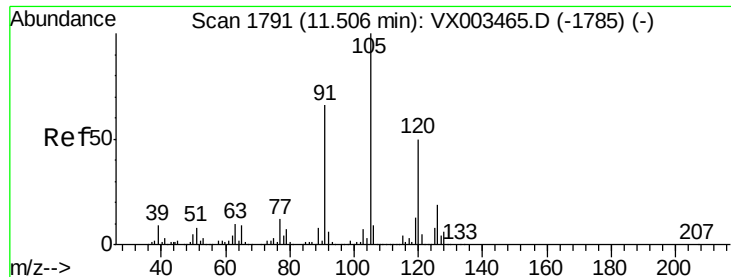
Tgt Ion: 91 Resp: 541357

Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1





#80

1,3,5-Trimethylbenzene

Concen: 52.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampled :

YT-MW-7MSD

Tot Ion:105 Resp: 671980

Ion Ratio Lower Upper

105 100

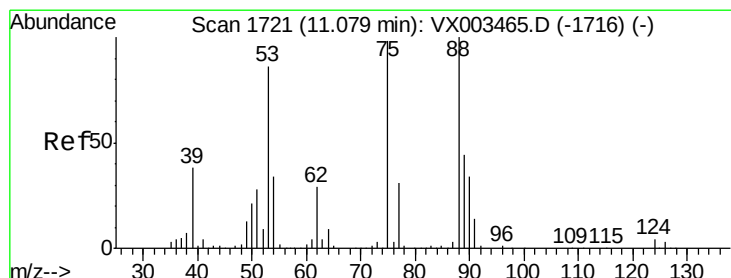
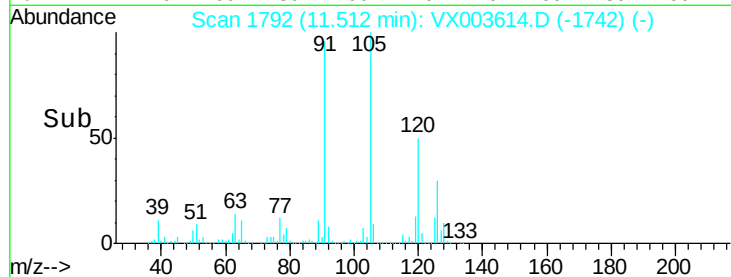
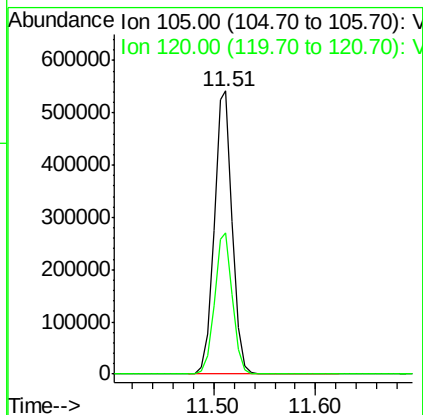
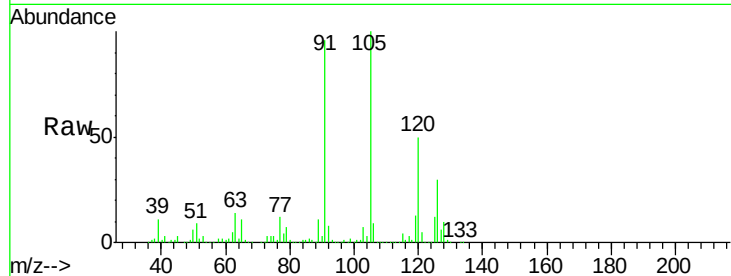
120 49.8 24.4 73.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:40 PM



#81

trans-1,4-Dichloro-2-butene

Concen: 45.27 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

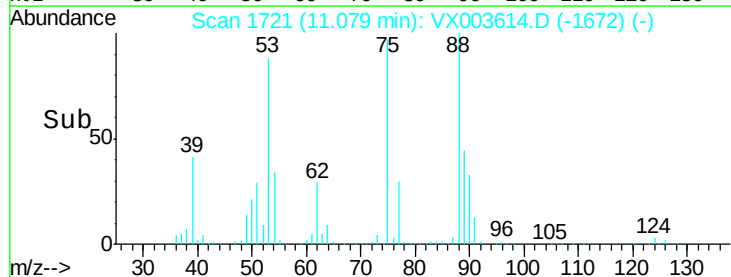
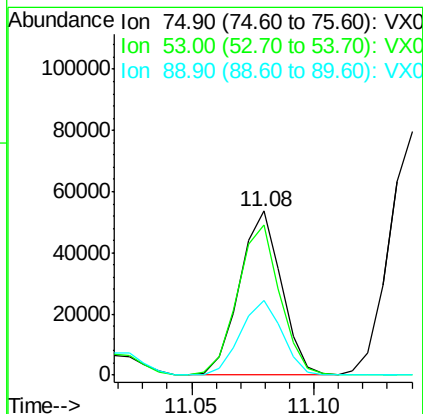
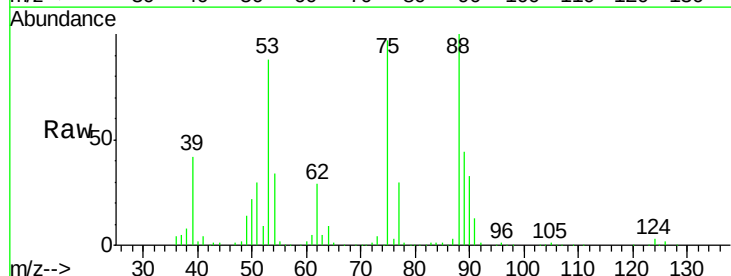
Tgt Ion: 75 Resp: 64047

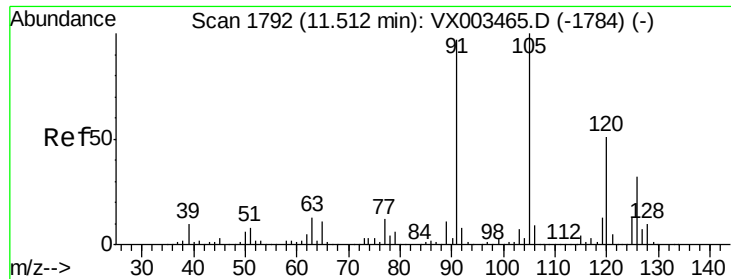
Ion Ratio Lower Upper

75 100

53 91.6 86.8 130.2

89 45.6 38.2 57.2





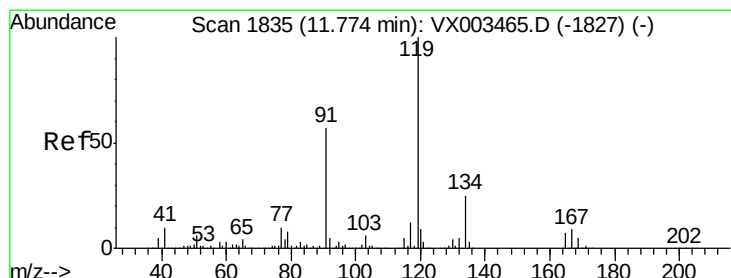
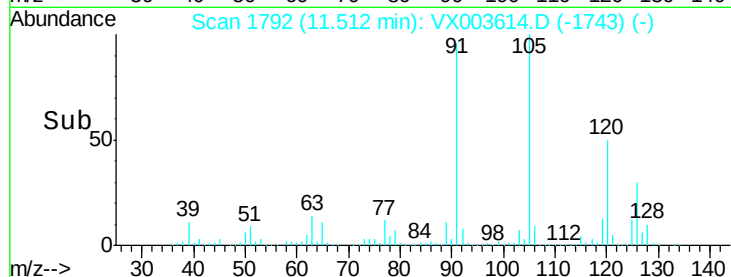
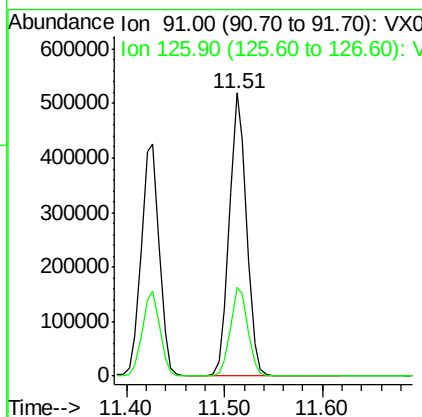
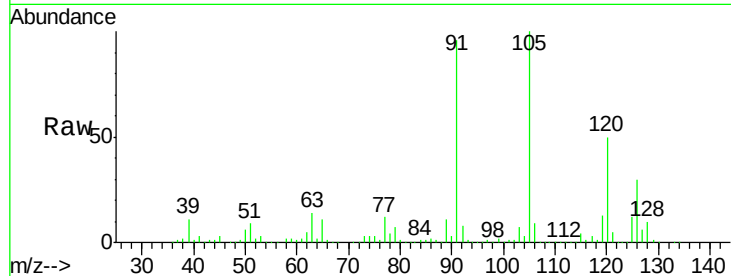
#82
4-Chlorotoluene
Concen: 51.48 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampled :
YT-MW-7MSD

Tot Ion: 91 Resp: 632881
Ion Ratio Lower Upper
91 100
126 31.9 15.4 46.4

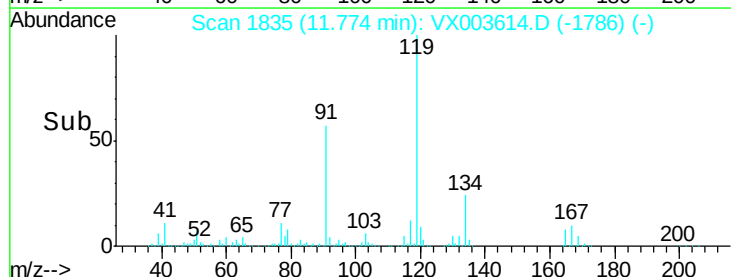
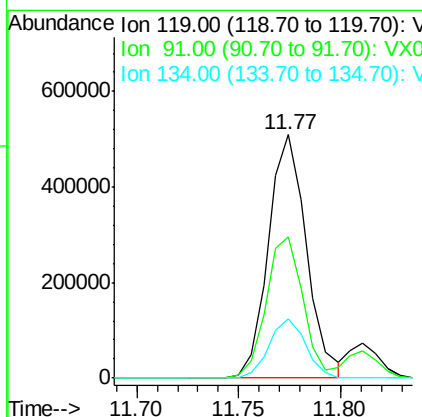
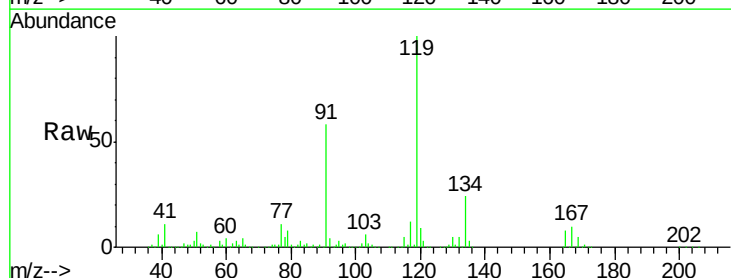
Manual Integrations
APPROVED

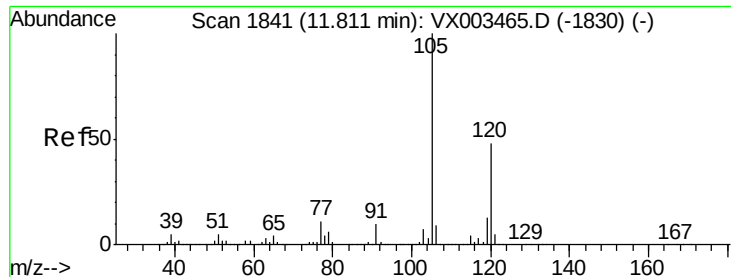
MMDadoda
7/24/2018 12:37:40 PM



#83
tert-Butylbenzene
Concen: 52.96 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion: 119 Resp: 662809
Ion Ratio Lower Upper
119 100
91 55.8 30.3 90.9
134 23.5 11.7 35.1





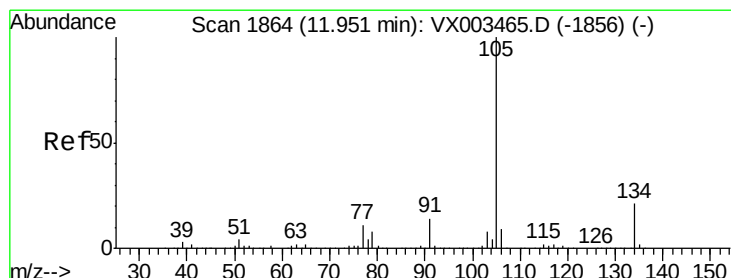
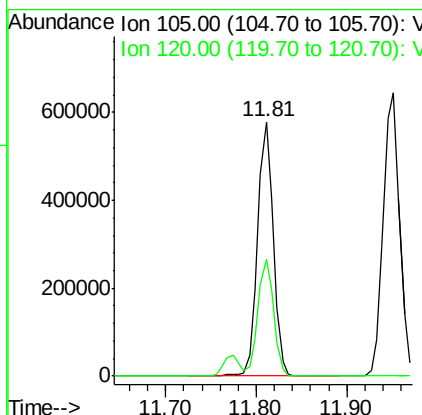
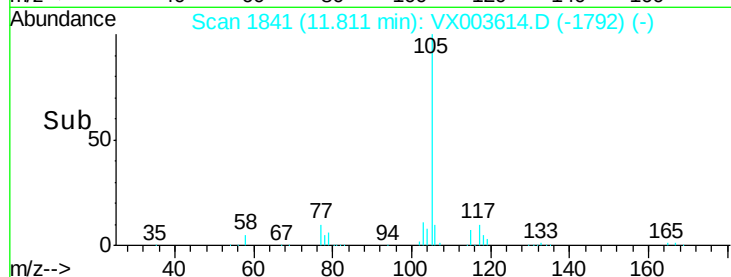
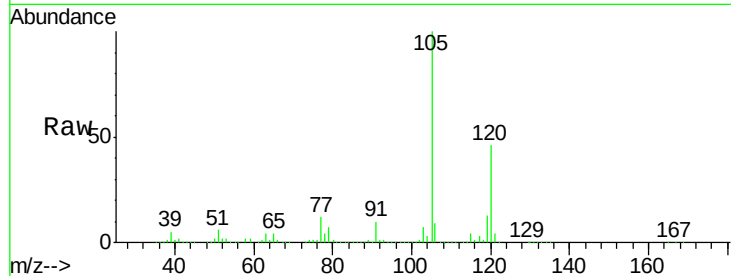
#84
 1,2,4-Trimethylbenzene
 Concen: 53.41 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion:105 Resp: 694429
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.3 66.8

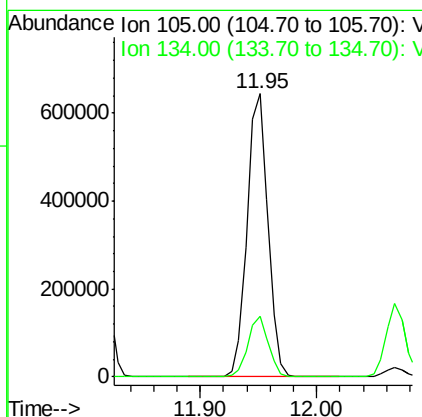
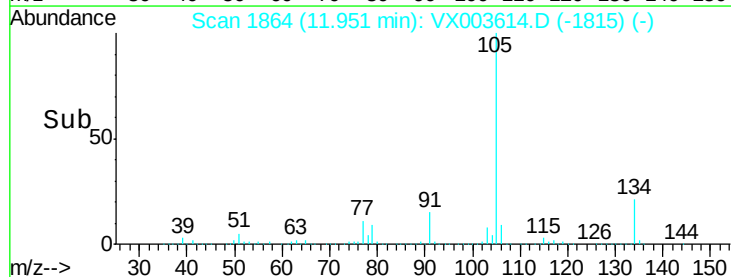
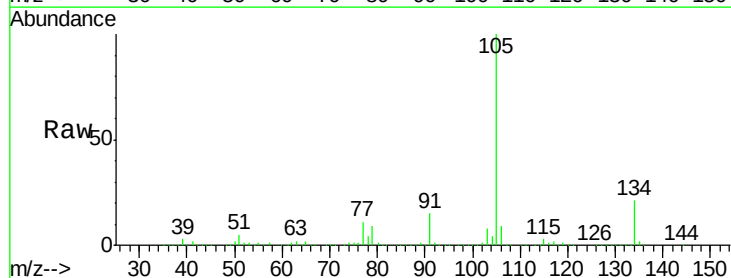
Manual Integrations
 APPROVED

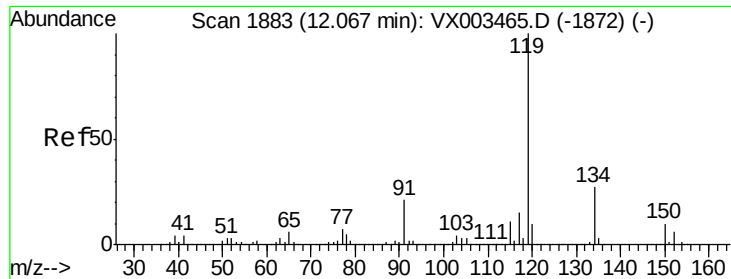
MMDadoda
 7/24/2018 12:37:40 PM



#85
 sec-Butylbenzene
 Concen: 53.04 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Tgt Ion:105 Resp: 806236
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.1





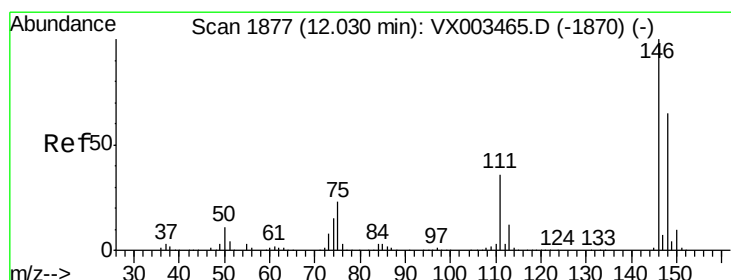
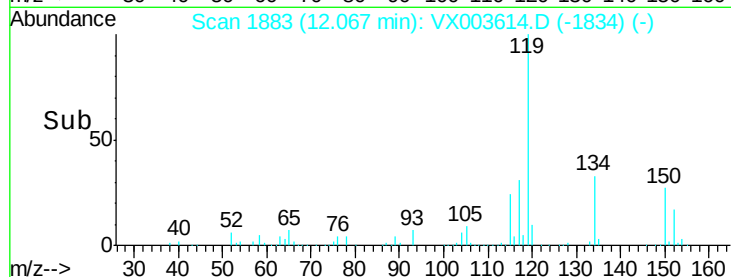
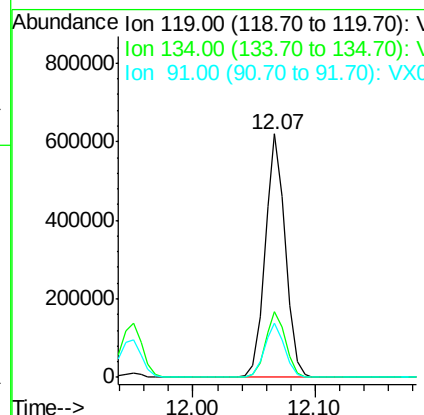
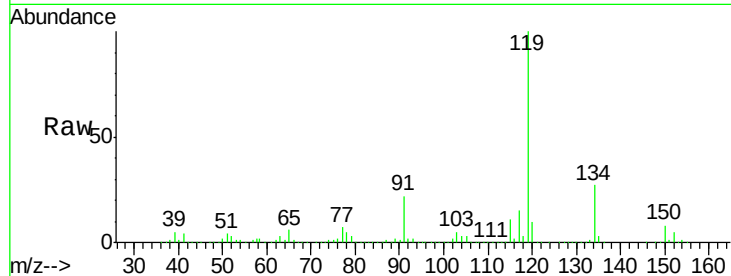
#86
p-Isopropyltoluene
Concen: 52.06 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	21.9	11.9	35.7

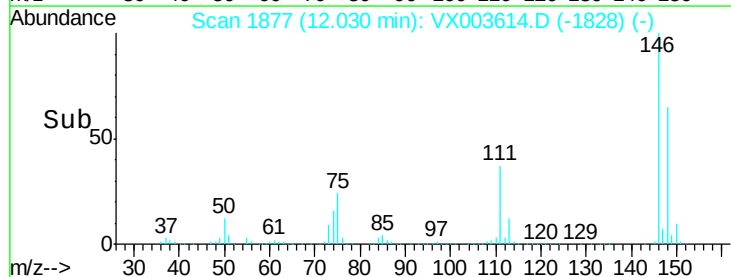
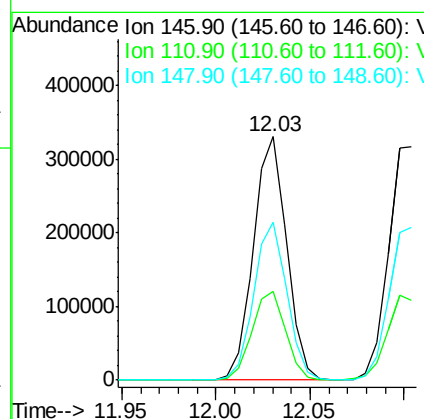
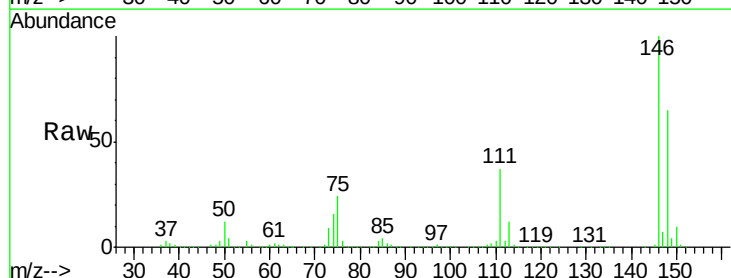
Manual Integrations
APPROVED

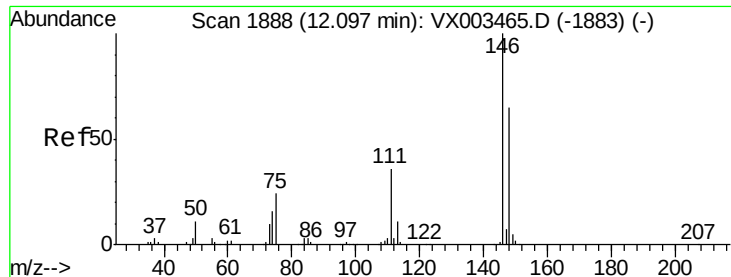
MMDadoda
7/24/2018 12:37:40 PM



#87
1,3-Dichlorobenzene
Concen: 49.25 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.4	32.1	96.3





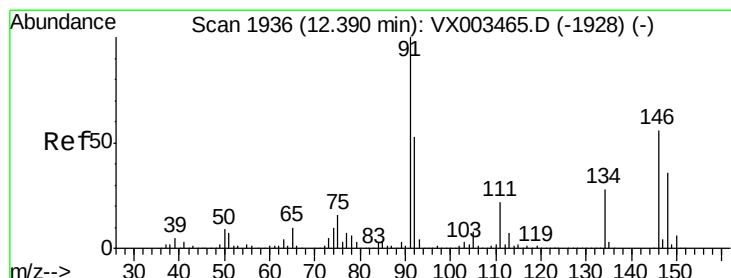
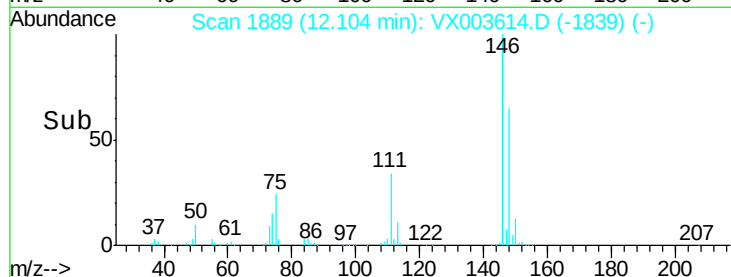
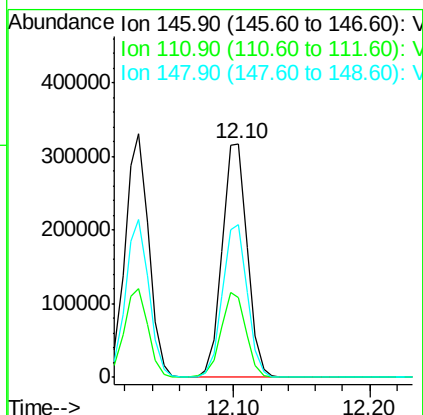
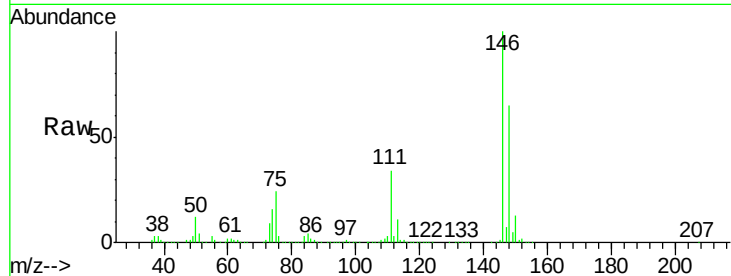
#88
 1,4-Dichlorobenzene
 Concen: 47.90 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.6	32.4	97.0

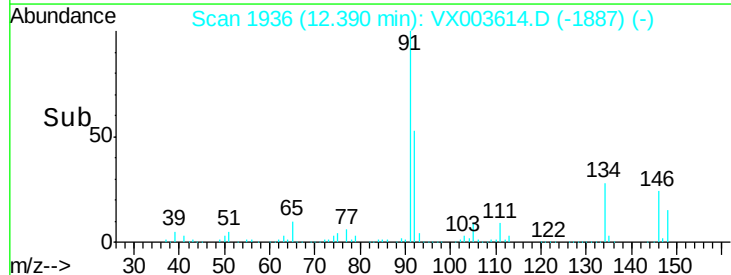
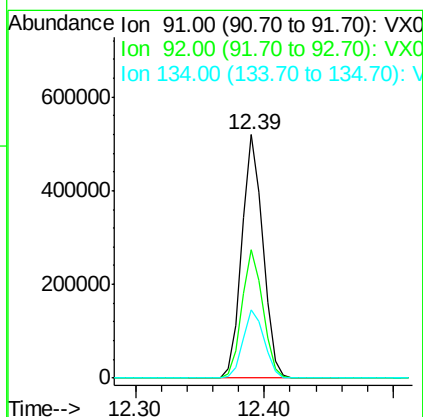
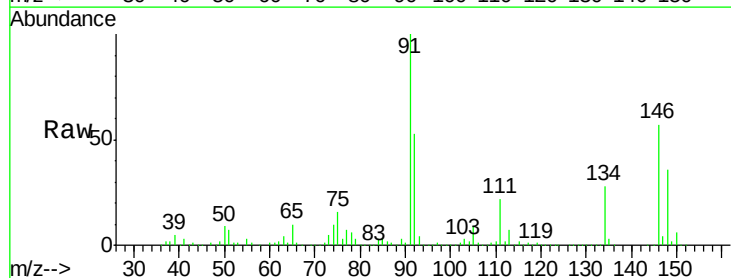
Manual Integrations
 APPROVED

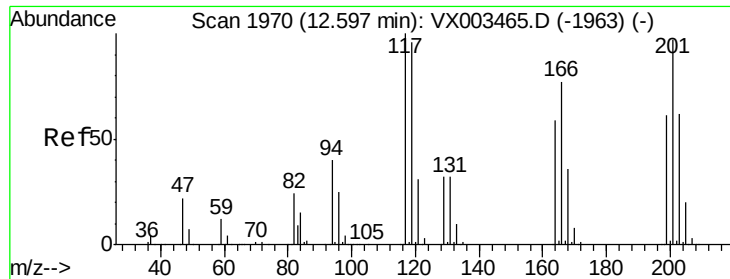
MMDadoda
 7/24/2018 12:37:40 PM



#89
 n-Butylbenzene
 Concen: 50.53 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	28.2	13.5	40.5





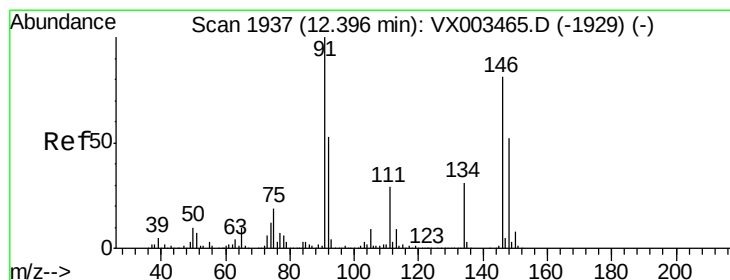
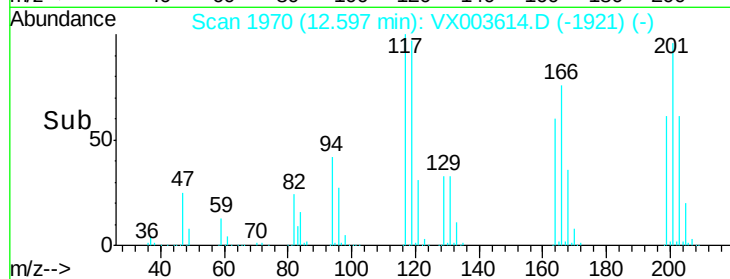
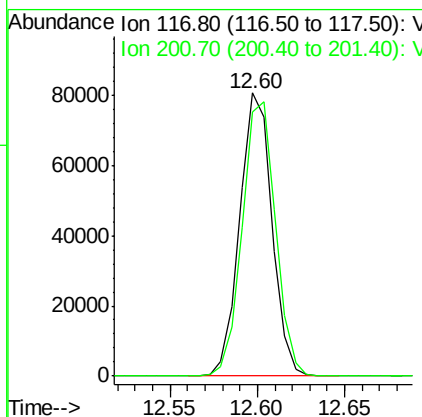
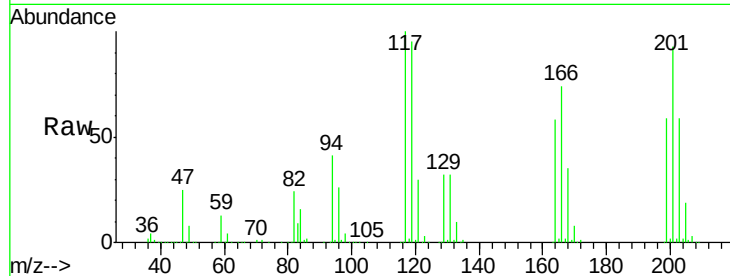
#90
Hexachloroethane
Concen: 53.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	103307		
166	99.7	49.0	147.0	

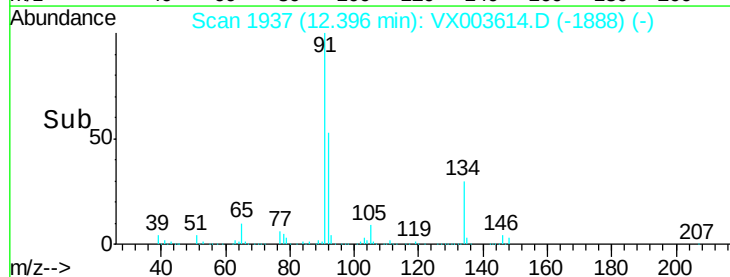
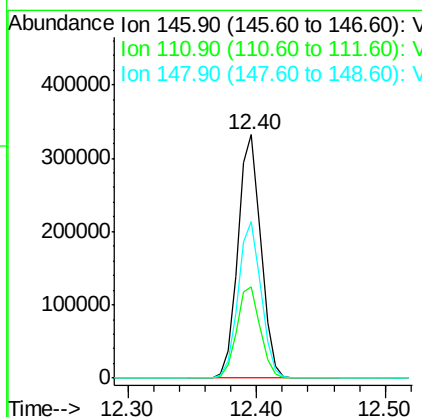
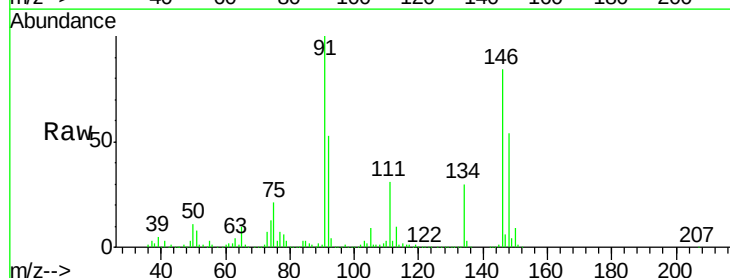
Manual Integrations
APPROVED

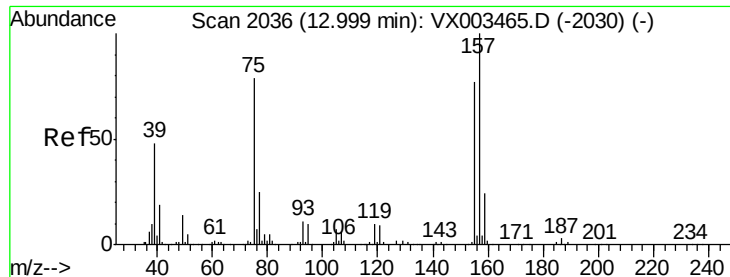
MMDadoda
7/24/2018 12:37:40 PM



#91
1,2-Dichlorobenzene
Concen: 50.81 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	411687		
111	38.2	19.4	58.1	
148	64.0	31.7	95.1	





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.19 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

Instrument :

MSVOA_X

ClientSampleId :

YT-MW-7MSD

Tot Ion: 75 Resp: 51600

Ion Ratio Lower Upper

75 100

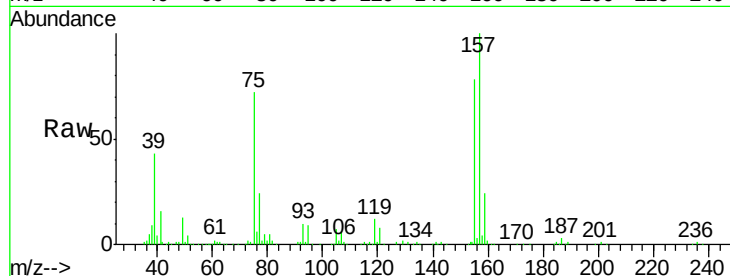
155 102.0 45.8 137.4

157 130.8 60.1 180.3

Manual Integrations
APPROVED

MMDadoda

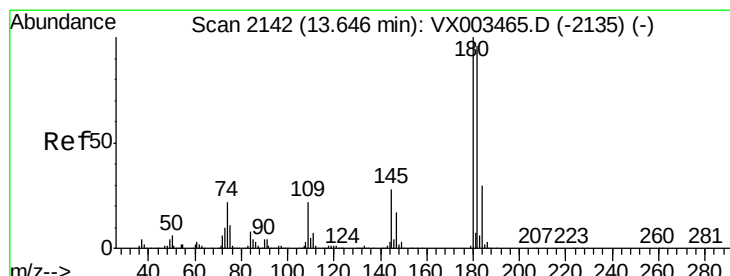
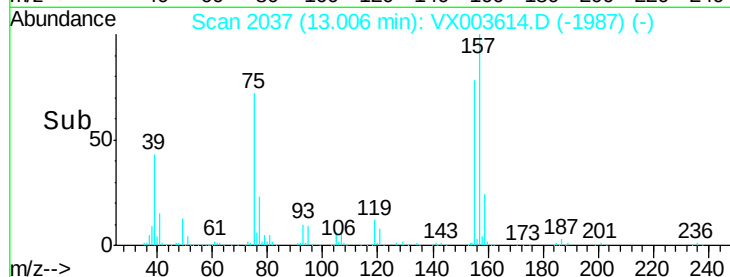
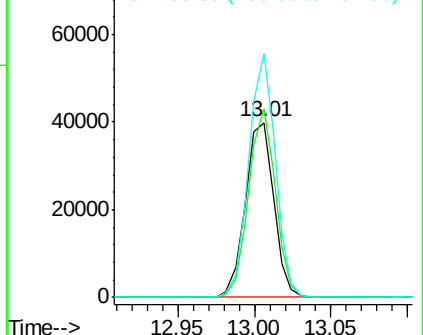
7/24/2018 12:37:40 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 49.04 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX003614.D

Acq: 23 Jul 2018 19:36

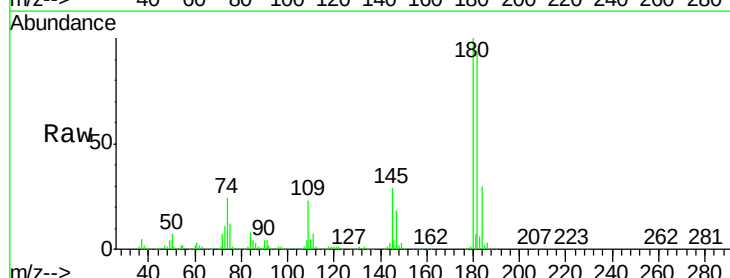
Tgt Ion:180 Resp: 291202

Ion Ratio Lower Upper

180 100

182 95.2 47.7 143.1

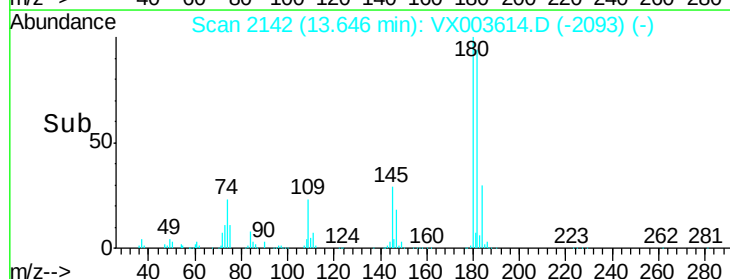
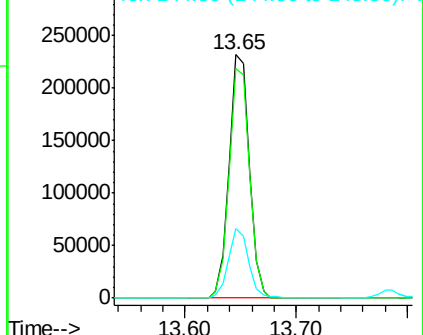
145 28.9 14.1 42.4

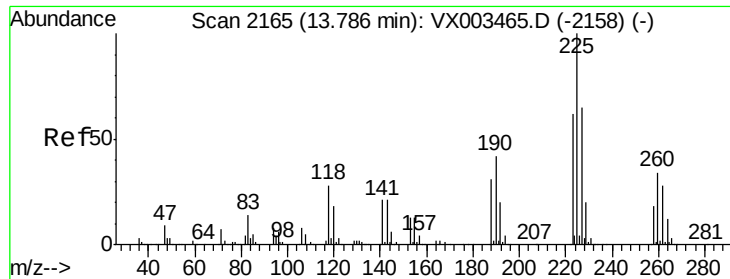


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





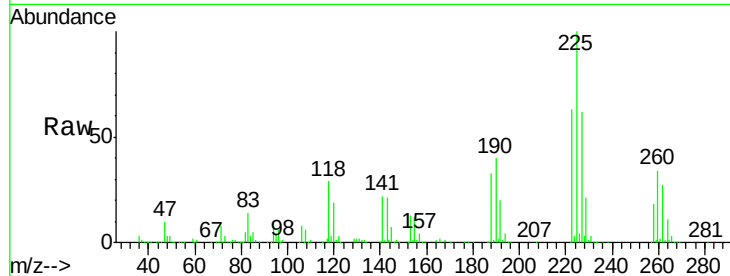
#94
Hexachlorobutadiene
Concen: 47.47 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Instrument :
MSVOA_X
ClientSampleId :
YT-MW-7MSD

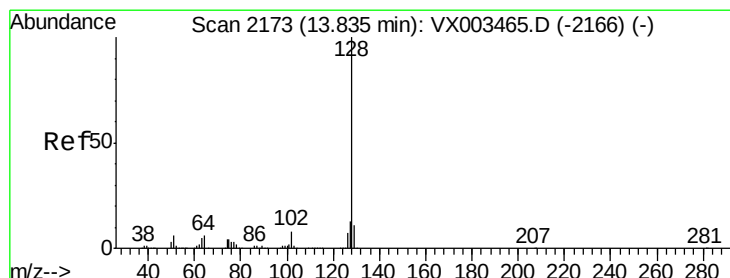
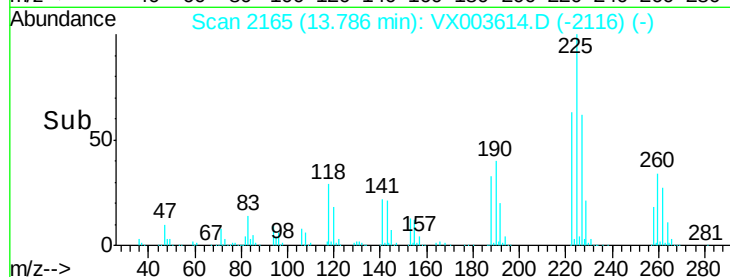
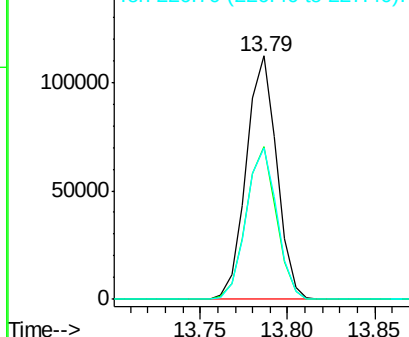
Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	62.3	31.6	95.0
227	62.8	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:40 PM

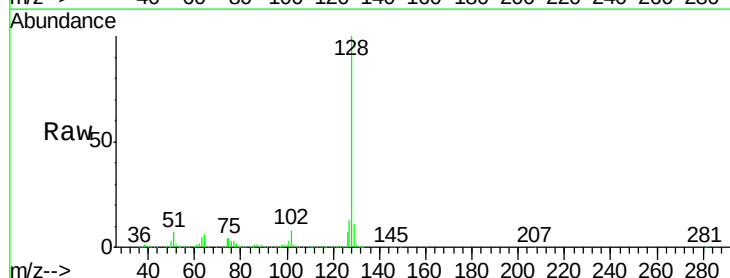


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

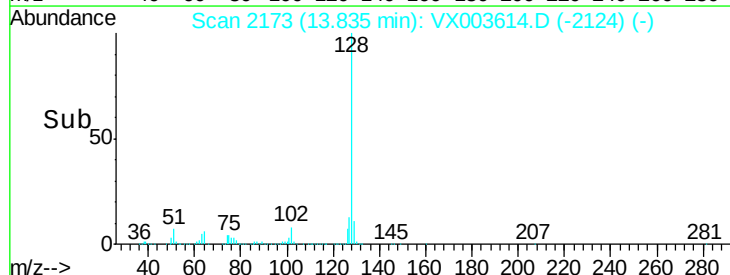
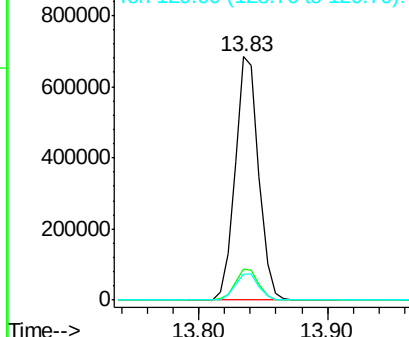


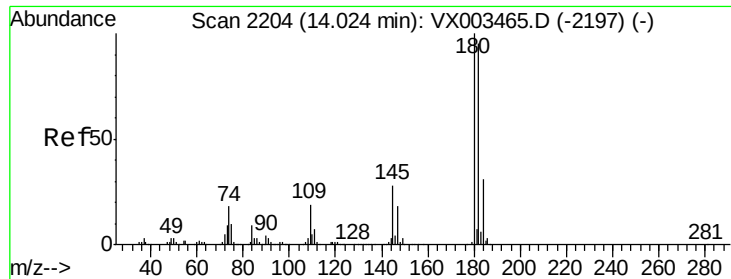
#95
Naphthalene
Concen: 55.37 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003614.D
Acq: 23 Jul 2018 19:36

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 50.69 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003614.D
 Acq: 23 Jul 2018 19:36

Instrument :
 MSVOA_X
 ClientSampleId :
 YT-MW-7MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	48.0	144.0
145	30.8	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:40 PM

