

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
 Data File : VX007059.D
 Acq On : 15 Jan 2019 15:33
 Operator : JC/SP
 Sample : VX0115WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:19:55 AM

Quant Time: Jan 16 00:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	502972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	754639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	692654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	352219	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	266907	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	5.51	113	237858	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	8.71	98	887114	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	314387	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86792	21.013	ug/l	97
3) Chloromethane	1.33	50	98039	20.389	ug/l	98
4) Vinyl Chloride	1.41	62	105269	20.352	ug/l	98
5) Bromomethane	1.64	94	106558	19.283	ug/l	96
6) Chloroethane	1.72	64	68683	19.018	ug/l	95
7) Trichlorofluoromethane	1.93	101	166958	19.978	ug/l	94
8) Diethyl Ether	2.19	74	65017	19.555	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	95779	19.143	ug/l	99
10) Methyl Iodide	2.51	142	143731	21.296	ug/l	99
11) Tert butyl alcohol	3.07	59	132252	106.657	ug/l	99
12) 1,1-Dichloroethene	2.37	96	89235	19.304	ug/l	99
13) Acrolein	2.30	56	73746	139.283	ug/l	97
14) Allyl chloride	2.73	41	155362	19.610	ug/l	98
15) Acrylonitrile	3.15	53	301393	105.881	ug/l	99
16) Acetone	2.45	43	259234	99.758	ug/l	99
17) Carbon Disulfide	2.57	76	201650	16.943	ug/l	99
18) Methyl Acetate	2.78	43	157880	20.979	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	321023	20.008	ug/l	98
20) Methylene Chloride	2.86	84	103822	20.673	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	95978	18.631	ug/l	98
22) Diisopropyl ether	3.87	45	294126	19.748	ug/l	96
23) Vinyl Acetate	3.82	43	1212809	96.557	ug/l	99
24) 1,1-Dichloroethane	3.70	63	163376	19.617	ug/l	99
25) 2-Butanone	4.70	43	384728	103.469	ug/l	96
26) 2,2-Dichloropropane	4.59	77	110818	17.304	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	109388	19.251	ug/l	99
28) Bromochloromethane	5.02	49	72495	19.868	ug/l	95
29) Tetrahydrofuran	5.15	42	246718	102.101	ug/l	98
30) Chloroform	5.21	83	174854	20.053	ug/l	98
31) Cyclohexane	5.58	56	142980	19.289	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	143947	19.476	ug/l	98
36) 1,1-Dichloropropene	5.80	75	124678	19.003	ug/l	98
37) Ethyl Acetate	4.85	43	144470	20.539	ug/l	98
38) Carbon Tetrachloride	5.78	117	122452	18.550	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011519\
 Data File : VX007059.D
 Acq On : 15 Jan 2019 15:33
 Operator : JC/SP
 Sample : VX0115WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:19:55 AM

Quant Time: Jan 16 00:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152998	18.292	ug/l	97
40) Benzene	6.14	78	390060	19.484	ug/l	97
41) Methacrylonitrile	5.06	41	77275	19.070	ug/l	97
42) 1,2-Dichloroethane	6.20	62	130717	18.895	ug/l	100
43) Isopropyl Acetate	6.46	43	213783	19.268	ug/l	99
44) Trichloroethene	7.21	130	113397	18.902	ug/l	100
45) 1,2-Dichloropropane	7.52	63	95999	19.074	ug/l	98
46) Dibromomethane	7.66	93	67540	19.094	ug/l	96
47) Bromodichloromethane	7.90	83	114659	19.044	ug/l	96
48) Methyl methacrylate	7.77	41	113312	19.887	ug/l	98
49) 1,4-Dioxane	7.75	88	54172	411.274	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	748945	105.036	ug/l	99
52) Toluene	8.79	92	248475	19.311	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	121266	18.164	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	137808	18.691	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	106454	20.670	ug/l	98
56) Ethyl methacrylate	9.18	69	153018	20.352	ug/l	96
57) 1,3-Dichloropropane	9.37	76	166731	19.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	403592	104.401	ug/l	98
59) 2-Hexanone	9.49	43	567656	104.468	ug/l	98
60) Dibromochloromethane	9.59	129	98388	19.673	ug/l	98
61) 1,2-Dibromoethane	9.67	107	112660	19.870	ug/l	99
64) Tetrachloroethene	9.34	164	115612	19.279	ug/l	97
65) Chlorobenzene	10.14	112	292419	19.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	97910	19.266	ug/l	99
67) Ethyl Benzene	10.25	91	473190	18.973	ug/l	100
68) m/p-Xylenes	10.36	106	378154	38.485	ug/l	100
69) o-Xylene	10.70	106	182598	19.055	ug/l	96
70) Styrene	10.71	104	297130	19.577	ug/l	100
71) Bromoform	10.86	173	70109	18.689	ug/l	98
73) Isopropylbenzene	11.02	105	487749	19.639	ug/l	99
74) N-amyl acetate	10.90	43	192480	19.249	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	158724	20.131	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	146130m	20.473	ug/l	
77) Bromobenzene	11.26	156	131331	19.191	ug/l	99
78) n-propylbenzene	11.36	91	537564	19.716	ug/l	99
79) 2-Chlorotoluene	11.42	91	321368	19.581	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	406416	19.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34776	17.374	ug/l	91
82) 4-Chlorotoluene	11.51	91	371676	19.559	ug/l	100
83) tert-Butylbenzene	11.77	119	405639	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	415183	19.895	ug/l	100
85) sec-Butylbenzene	11.94	105	486620	19.679	ug/l	99
86) p-Isopropyltoluene	12.07	119	437734	19.790	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	235108	19.007	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	235515	20.182	ug/l	99
89) n-Butylbenzene	12.39	91	359664	19.075	ug/l	99
90) Hexachloroethane	12.60	117	60796	19.124	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	235319	19.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30600	19.623	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011519\
Data File : VX007059.D
Acq On : 15 Jan 2019 15:33
Operator : JC/SP
Sample : VX0115WBS02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

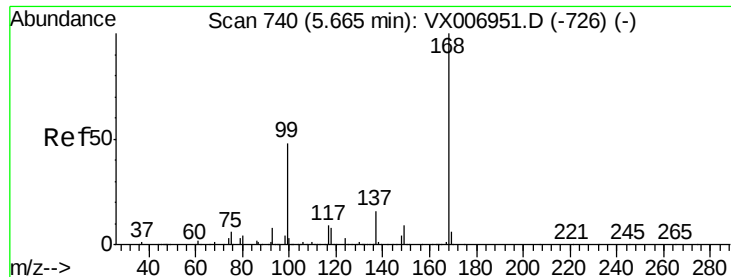
Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM

Quant Time: Jan 16 00:41:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	153979	18.386	ug/l	98
94) Hexachlorobutadiene	13.78	225	72082	19.396	ug/l	99
95) Naphthalene	13.83	128	499824	19.696	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	156335	18.792	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion:168 Resp: 502972

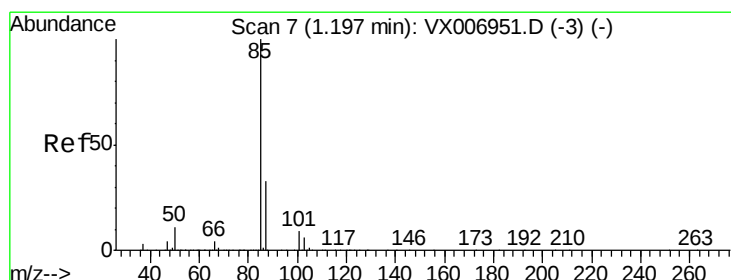
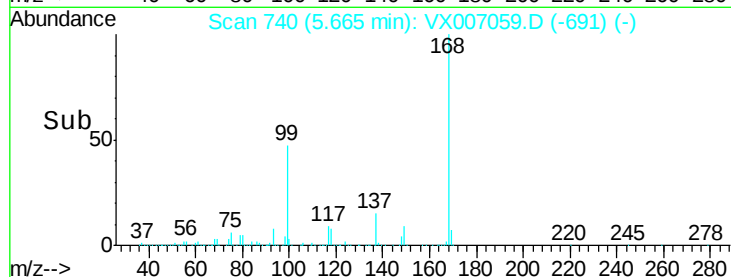
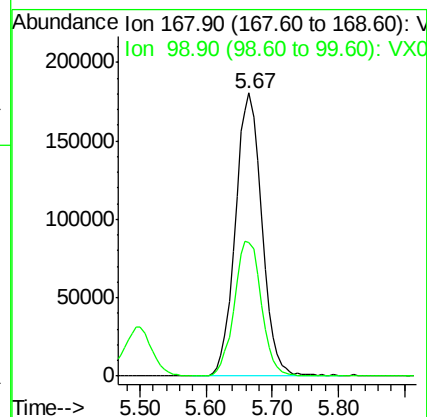
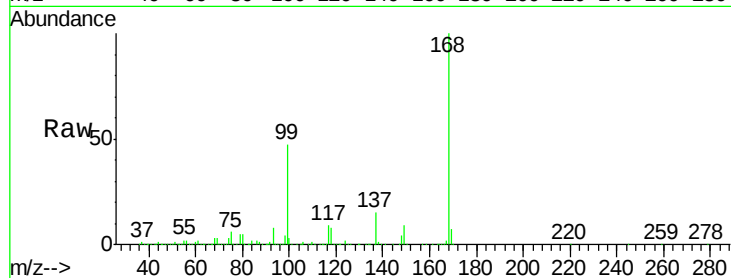
Ion Ratio Lower Upper

168 100

99 47.1 41.8 62.8

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#2

Dichlorodifluoromethane

Concen: 21.013 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007059.D

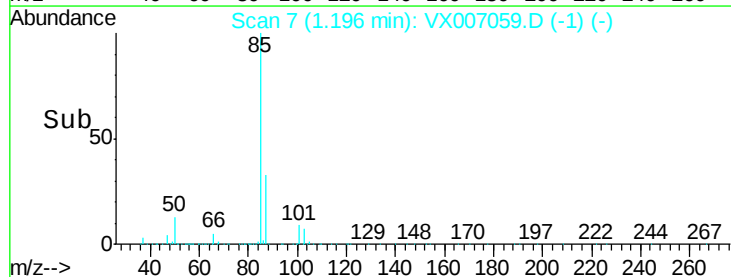
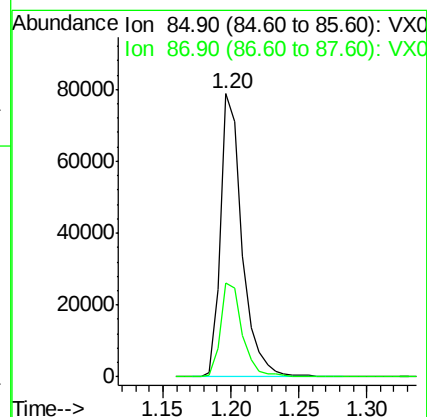
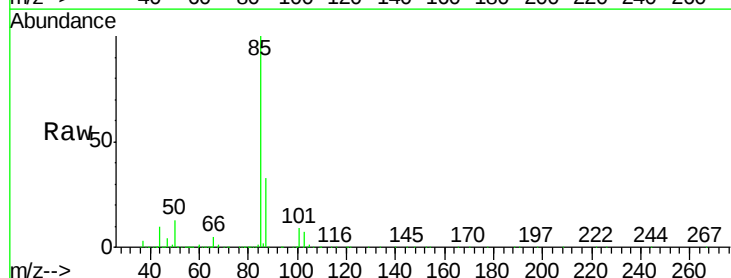
Acq: 15 Jan 2019 15:33

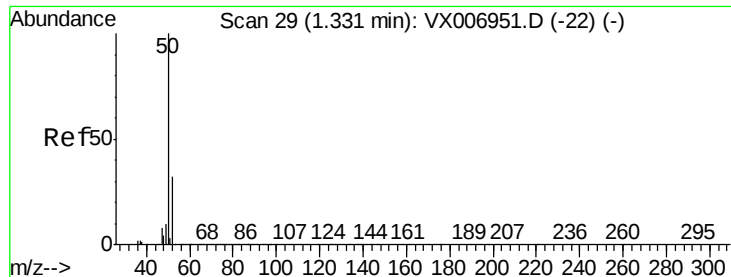
Tgt Ion: 85 Resp: 86792

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6





#3

Chloromethane

Concen: 20.389 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 50 Resp: 98039

Ion Ratio Lower Upper

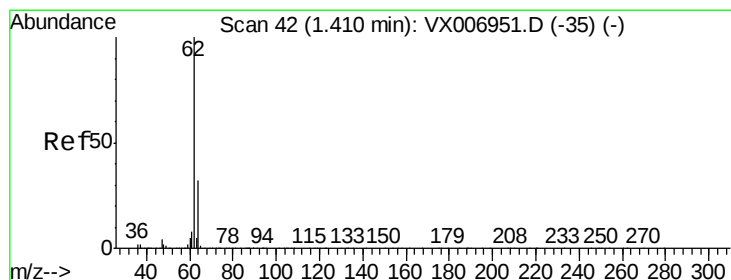
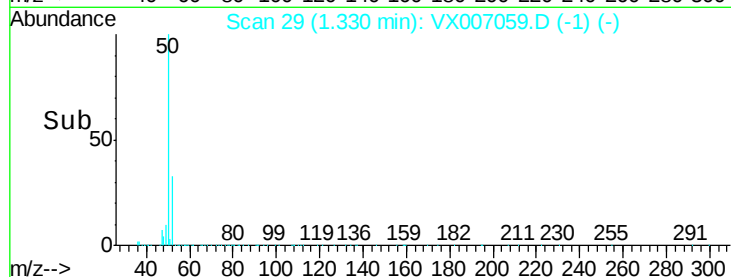
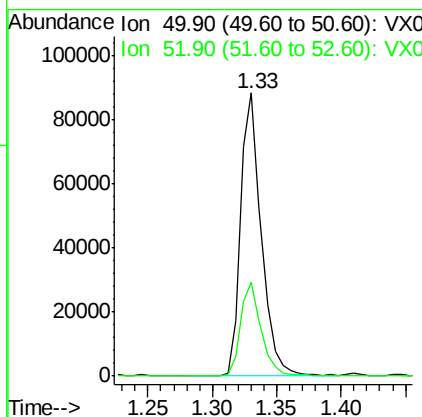
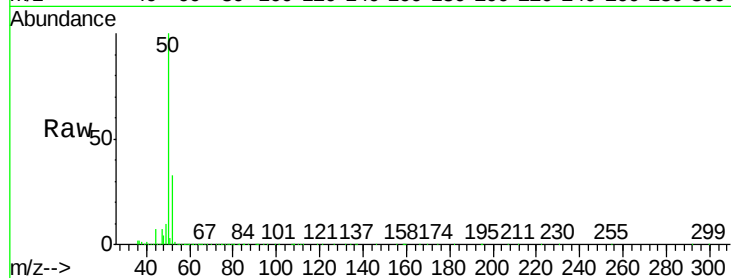
50 100

52 32.8 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#4

Vinyl Chloride

Concen: 20.352 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007059.D

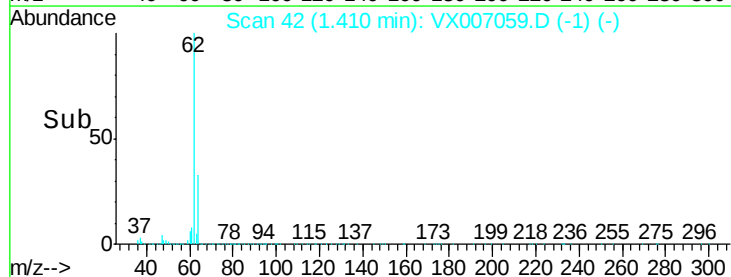
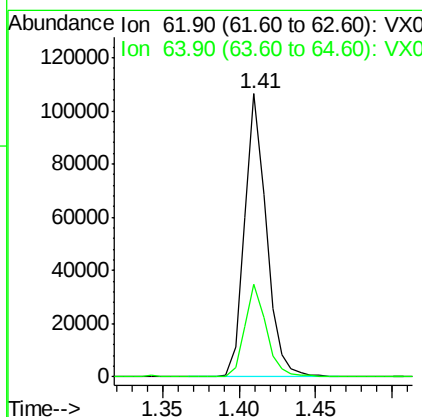
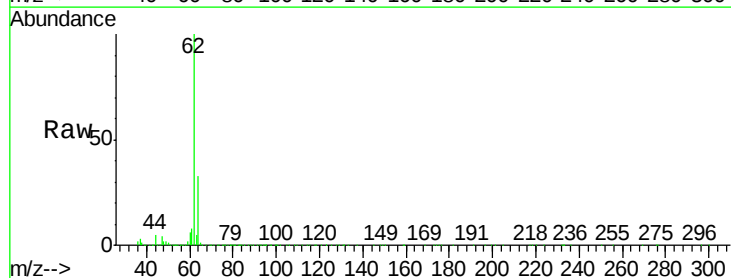
Acq: 15 Jan 2019 15:33

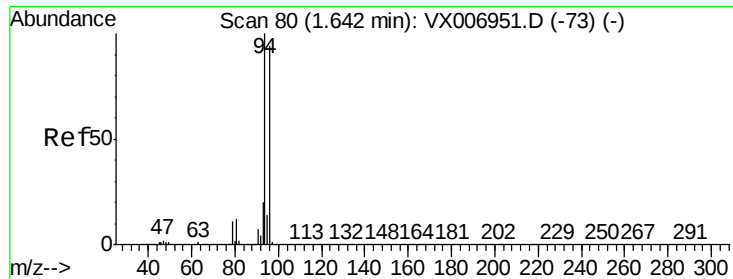
Tgt Ion: 62 Resp: 105269

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 19.283 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 94 Resp: 106558

Ion Ratio Lower Upper

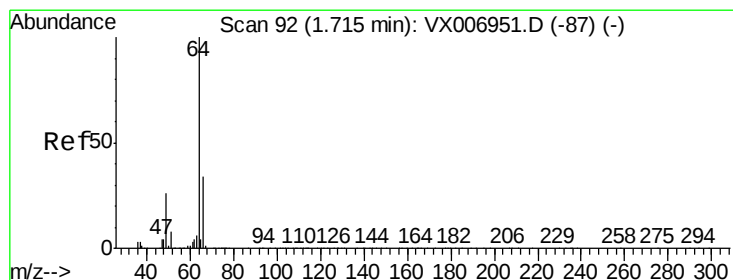
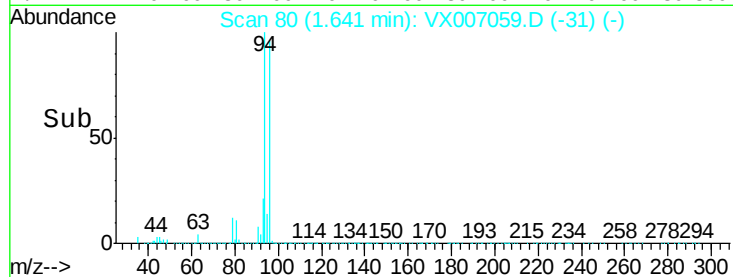
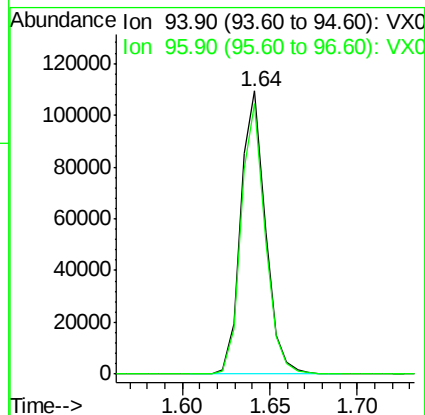
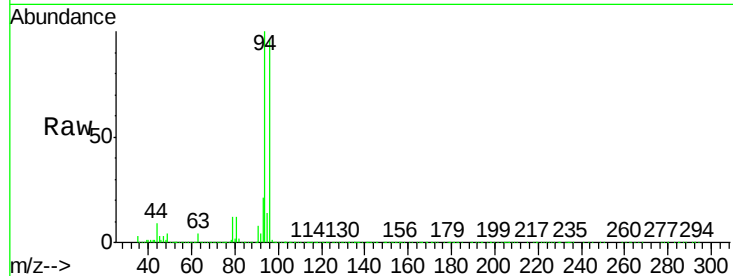
94 100

96 95.7 73.4 110.2

Manual Integrations
APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#6

Chloroethane

Concen: 19.018 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007059.D

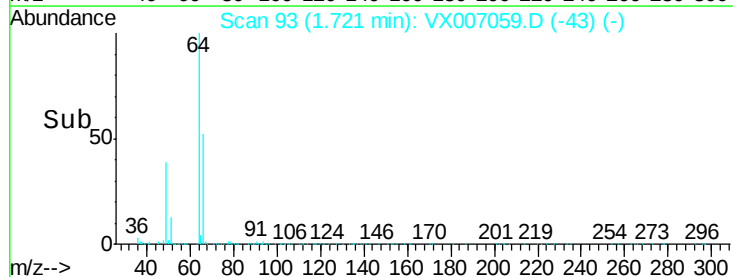
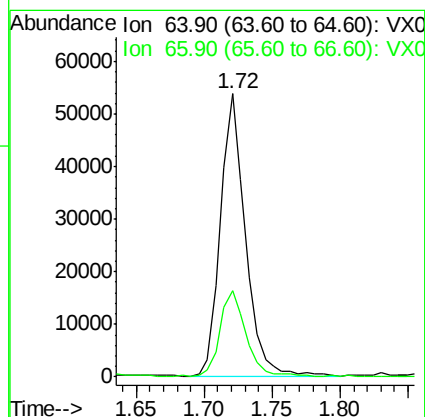
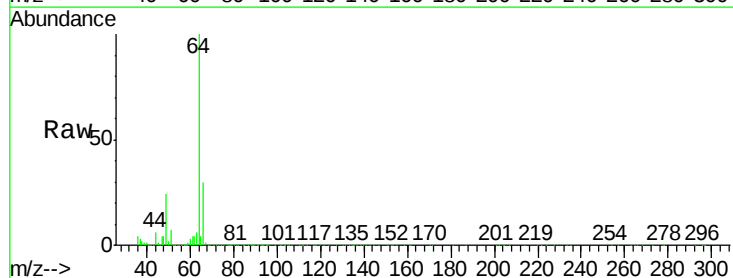
Acq: 15 Jan 2019 15:33

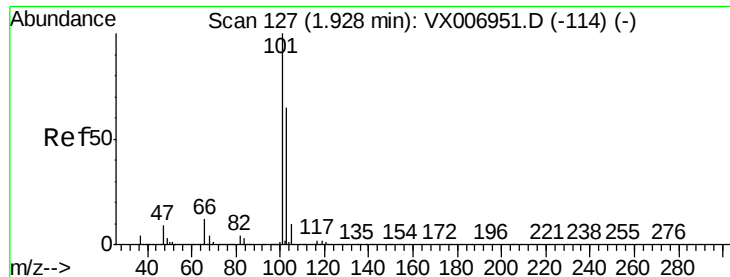
Tgt Ion: 64 Resp: 68683

Ion Ratio Lower Upper

64 100

66 30.1 26.4 39.6





#7

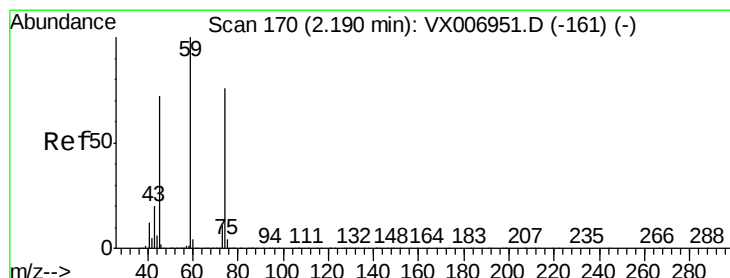
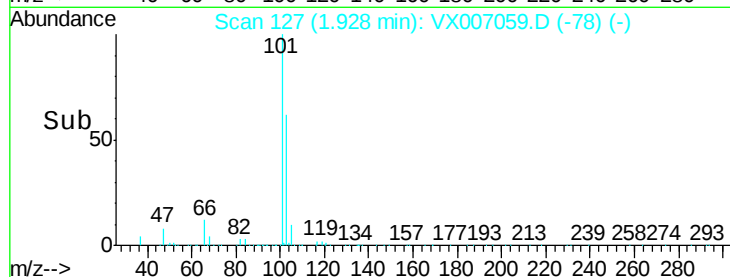
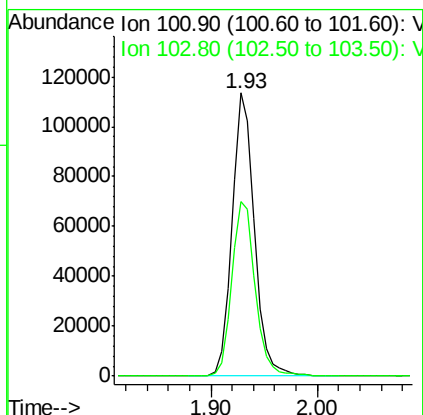
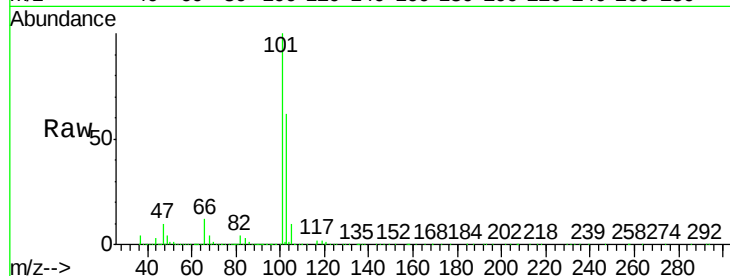
Trichlorofluoromethane
Concen: 19.978 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.2	79.8

Manual Integrations
APPROVED

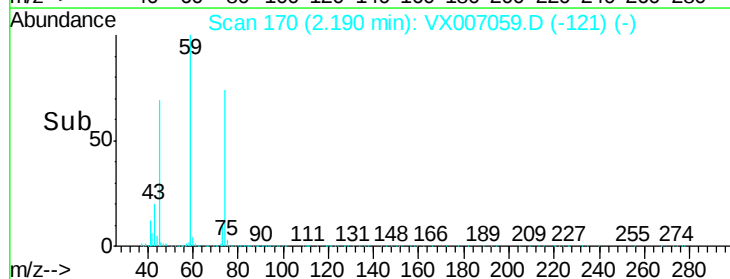
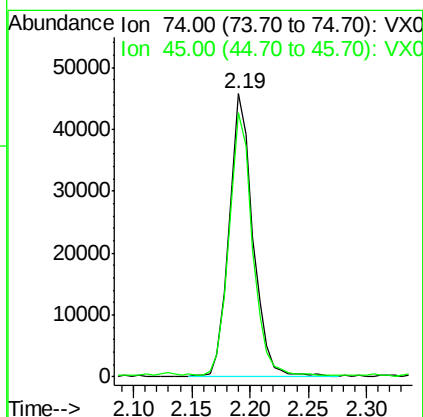
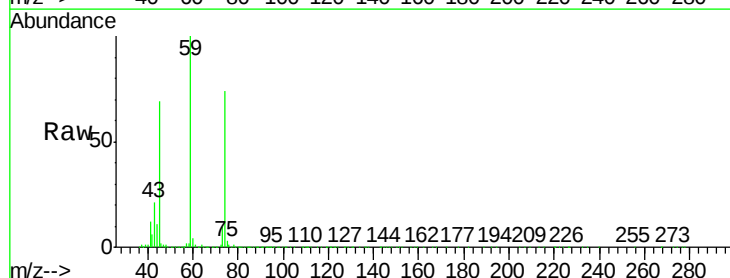
MMDadoda
1/16/2019 9:19:55 AM

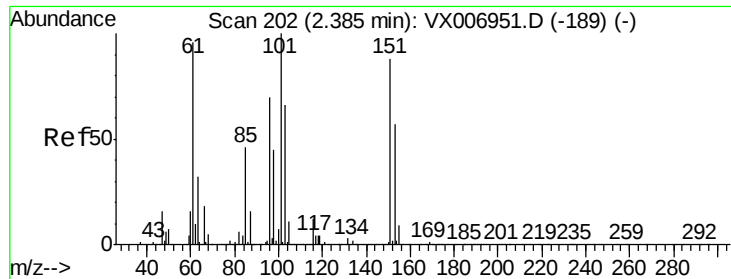


#8

Diethyl Ether
Concen: 19.555 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.143 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

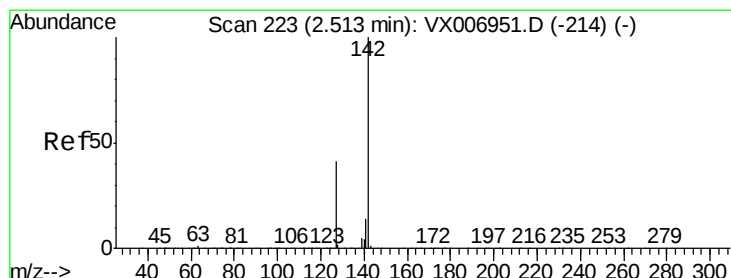
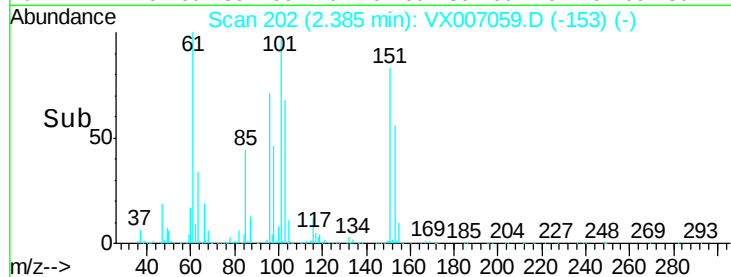
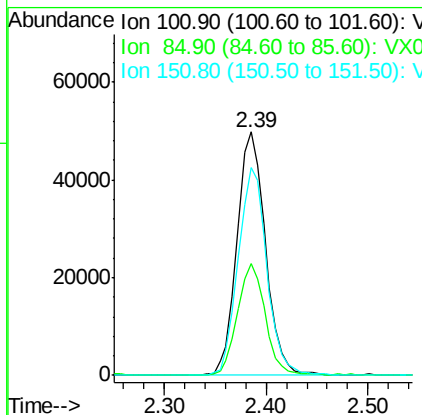
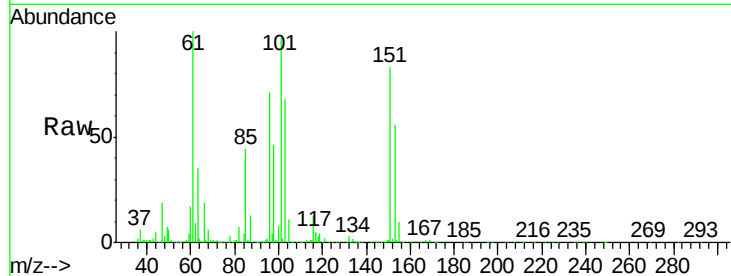
ClientSampleId :

VX0115WBS02

Tot Ion:	101	Resp:	95779
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.1	52.7
151	86.5	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#10

Methyl Iodide

Concen: 21.296 ug/l

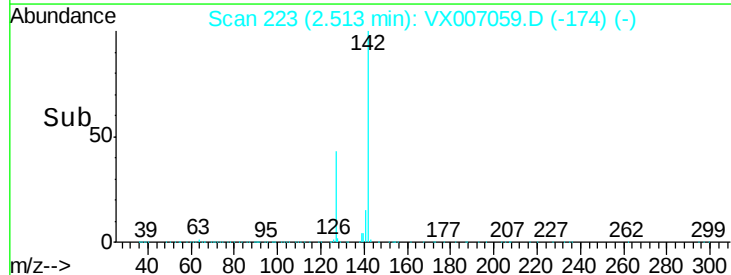
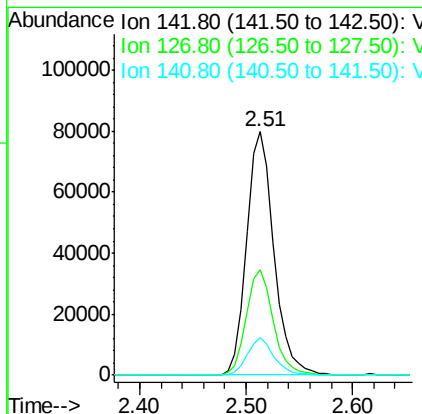
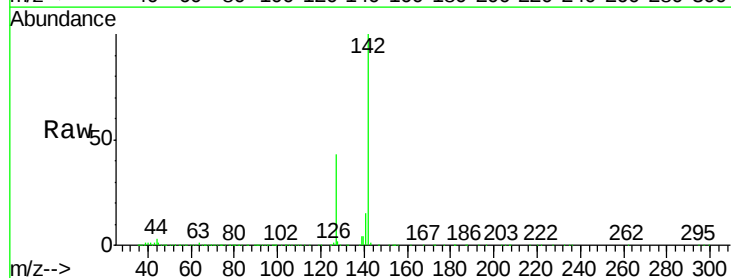
RT: 2.51 min Scan# 223

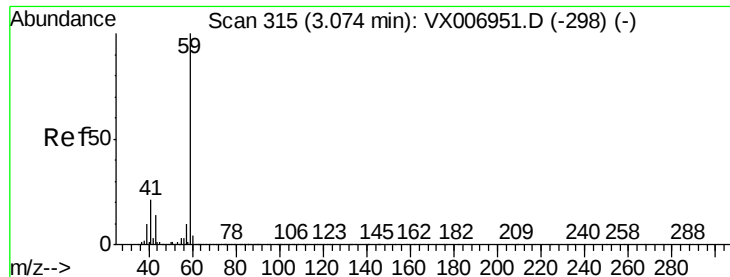
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	142	Resp:	143731
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.9	50.9
141	14.7	11.4	17.0





#11

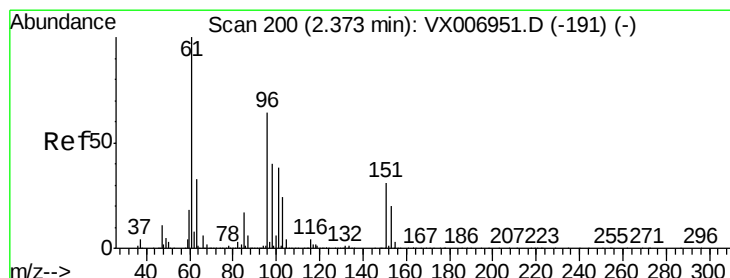
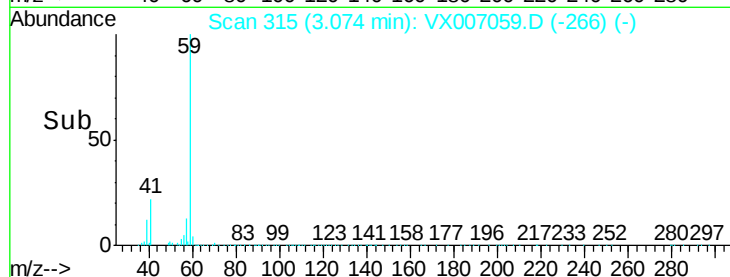
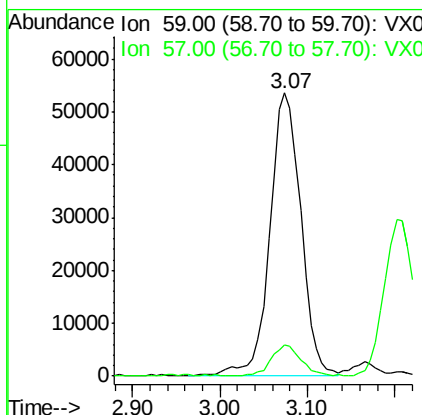
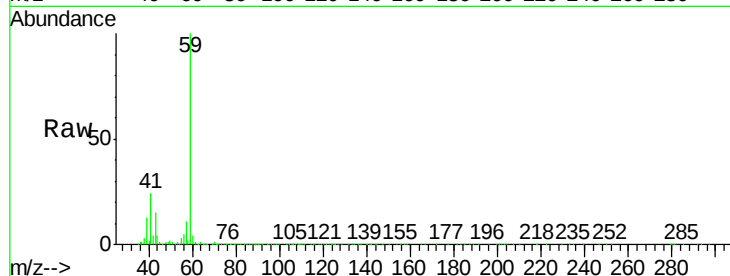
Tert butyl alcohol
Concen: 106.657 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
APPROVED

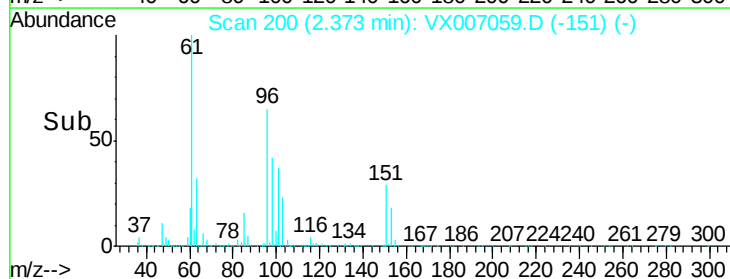
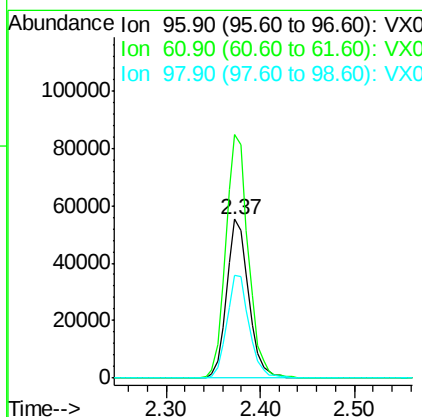
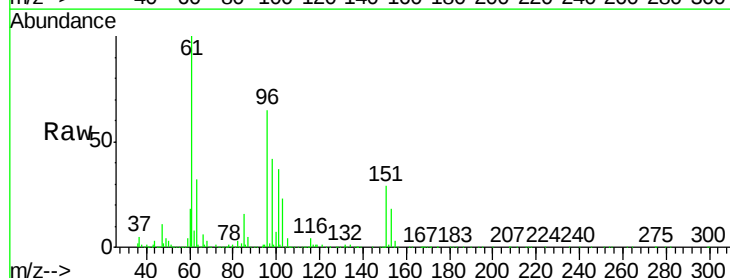
MMDadoda
1/16/2019 9:19:55 AM

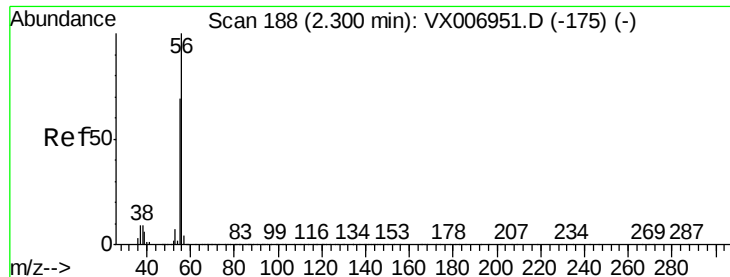


#12

1,1-Dichloroethene
Concen: 19.304 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	121.4	182.2
98	65.0	51.9	77.9





#13

Acrolein

Concen: 139.283 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 56 Resp: 73746

Ion Ratio Lower Upper

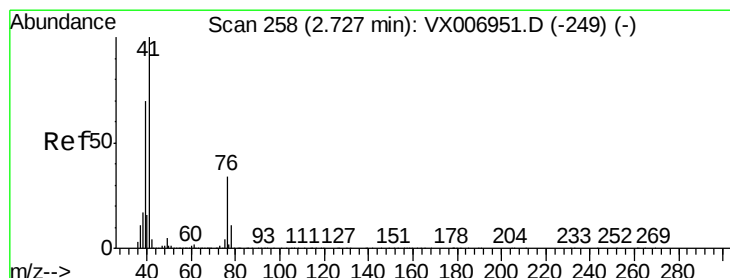
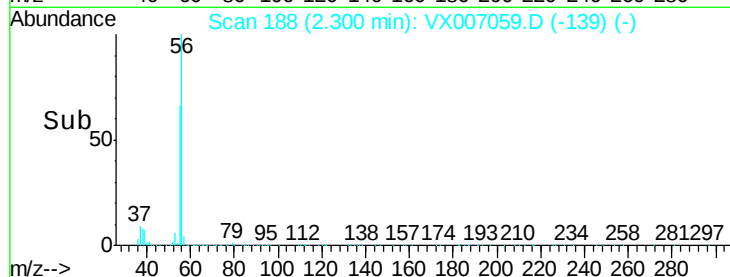
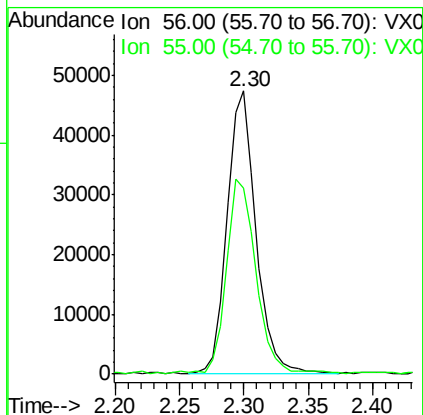
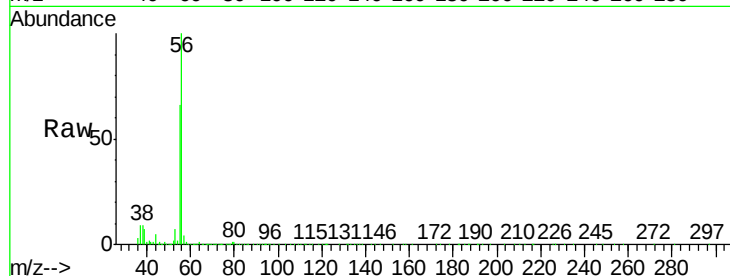
56 100

55 70.3 58.2 87.4

Manual Integrations
APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#14

Allyl chloride

Concen: 19.610 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

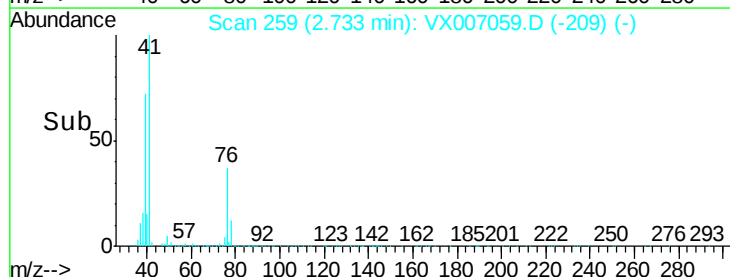
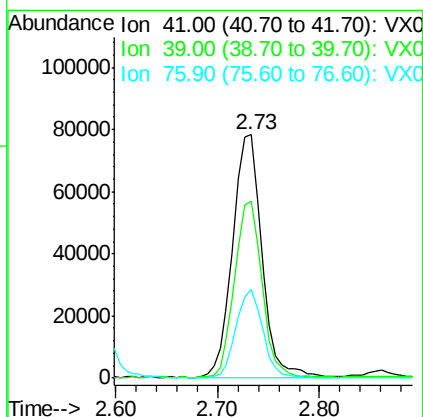
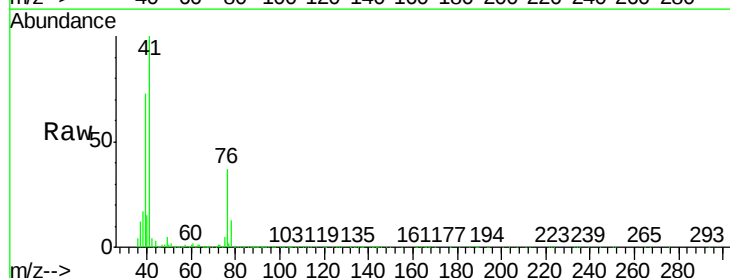
Tgt Ion: 41 Resp: 155362

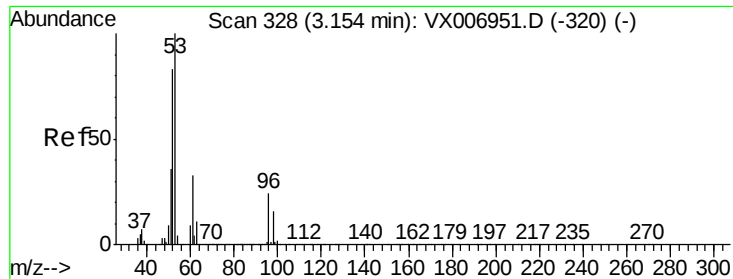
Ion Ratio Lower Upper

41 100

39 67.8 53.6 80.4

76 32.9 27.4 41.2





#15

Acrylonitrile

Concen: 105.881 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

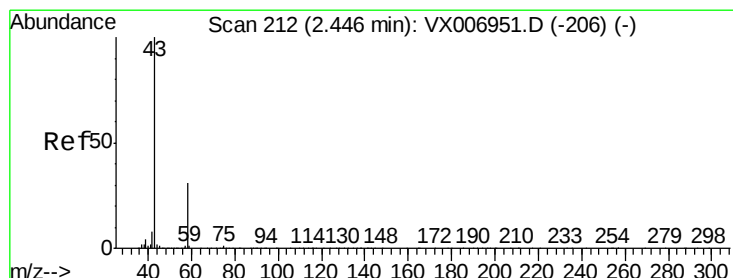
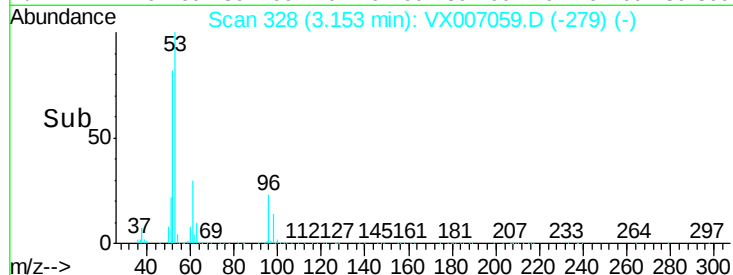
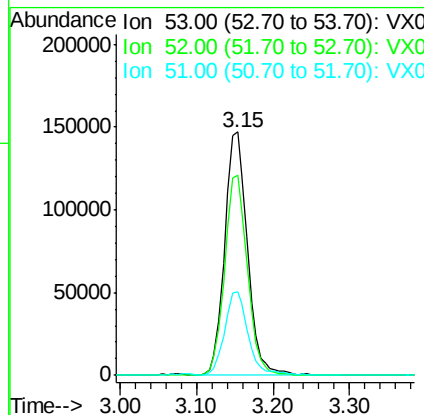
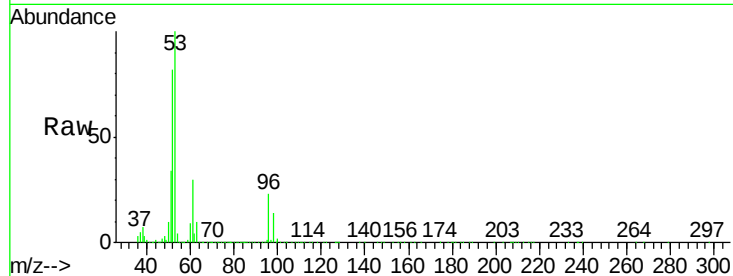
ClientSampleId :

VX0115WBS02

Tot Ion:	53	Resp:	301393
Ion Ratio		Lower	Upper
53	100		
52	82.1	66.0	99.0
51	35.1	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#16

Acetone

Concen: 99.758 ug/l

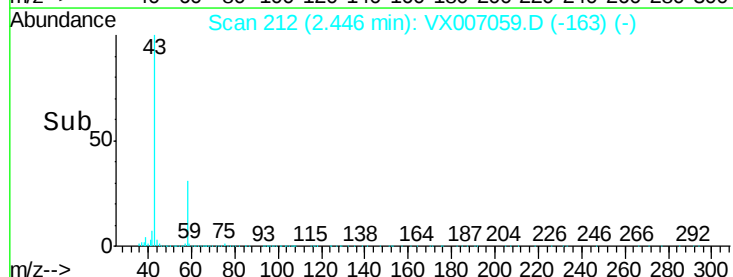
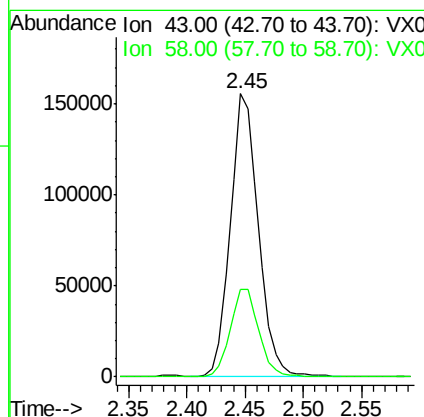
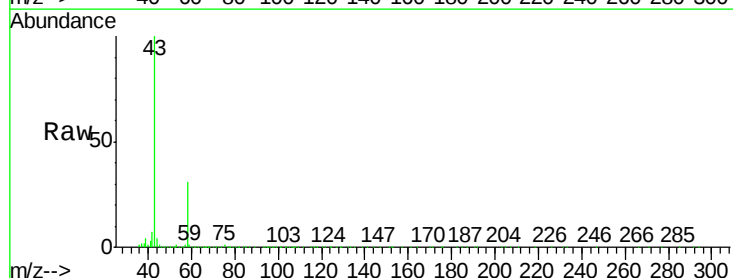
RT: 2.45 min Scan# 212

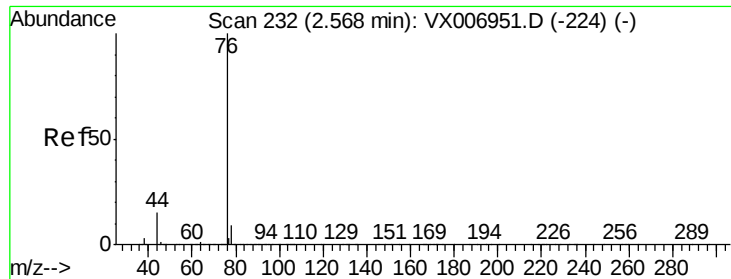
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	43	Resp:	259234
Ion Ratio		Lower	Upper
43	100		
58	30.8	25.0	37.6





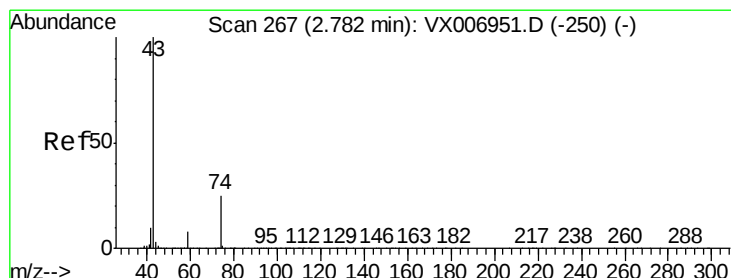
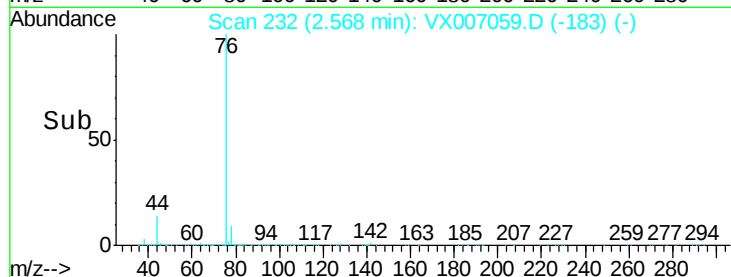
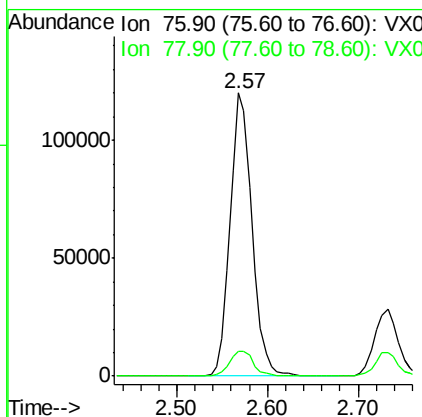
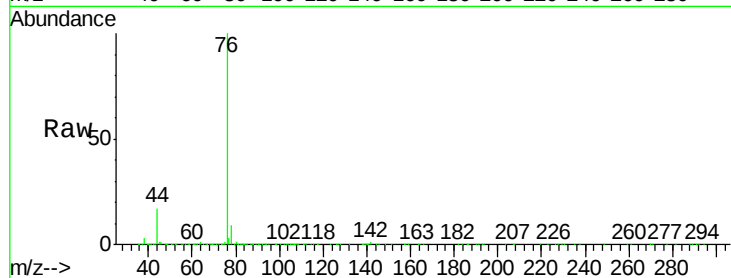
#17
Carbon Disulfide
Concen: 16.943 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

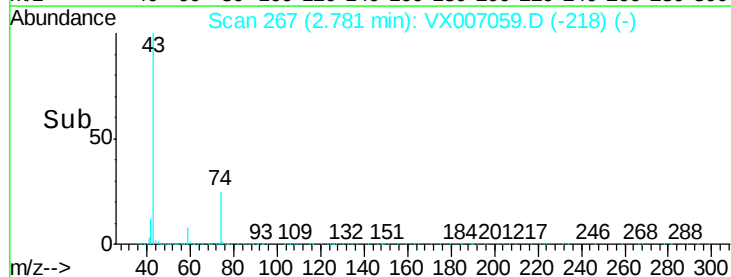
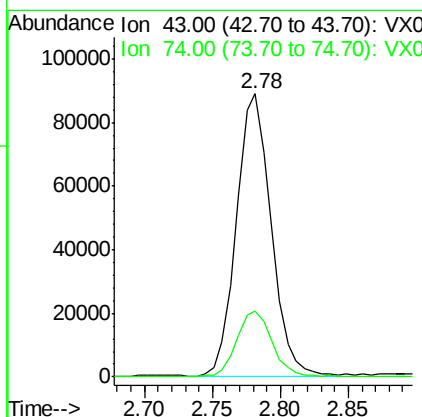
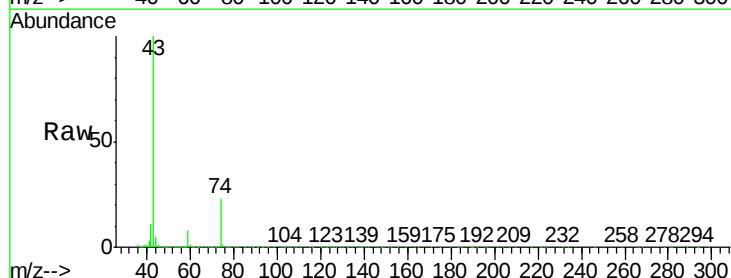
Manual Integrations
APPROVED

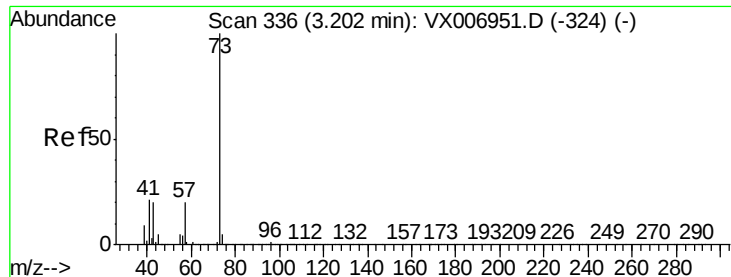
MMDadoda
1/16/2019 9:19:55 AM



#18
Methyl Acetate
Concen: 20.979 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.6	28.0





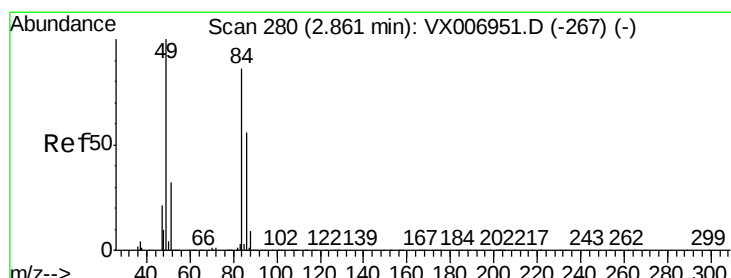
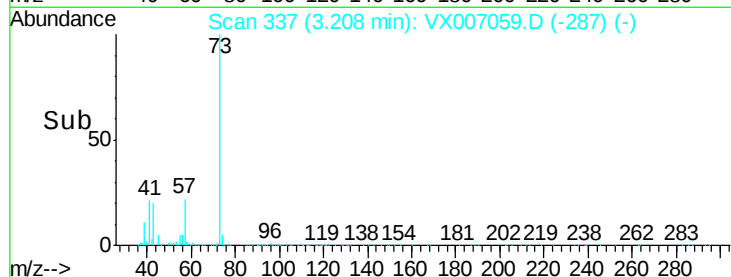
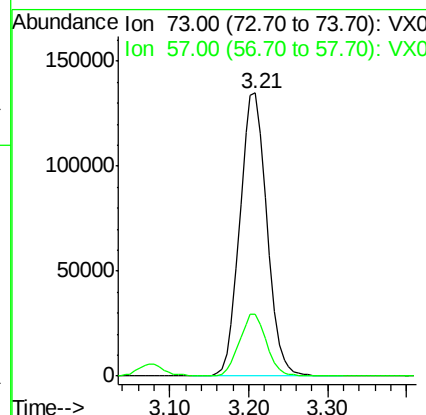
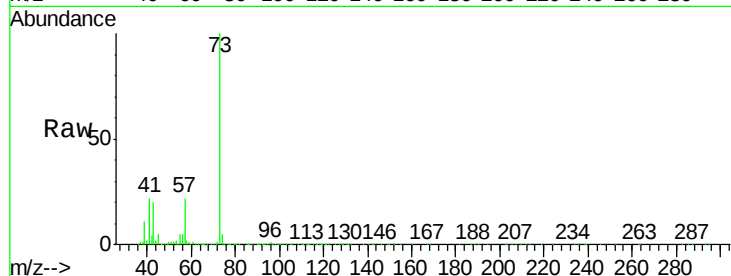
#19
Methvl tert-butvl Ether
Concen: 20.008 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

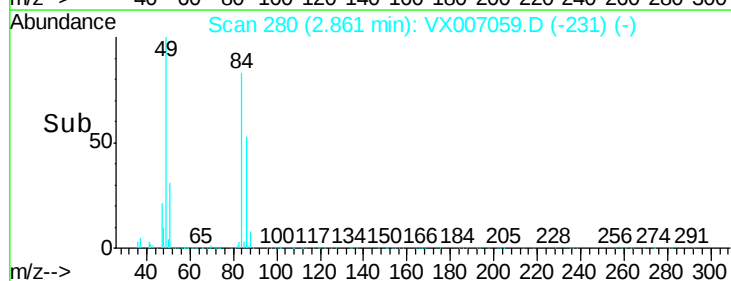
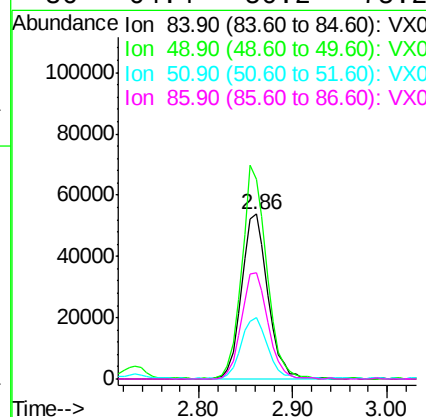
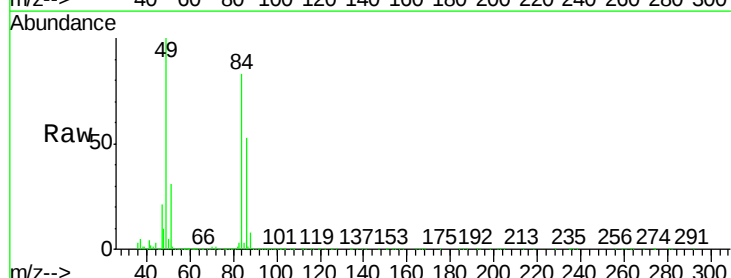
Manual Integrations
APPROVED

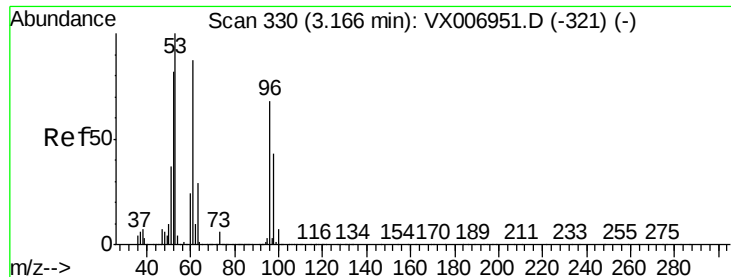
MMDadoda
1/16/2019 9:19:55 AM



#20
Methylene Chloride
Concen: 20.673 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	91.8	137.6
51	37.2	28.5	42.7
86	64.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.631 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

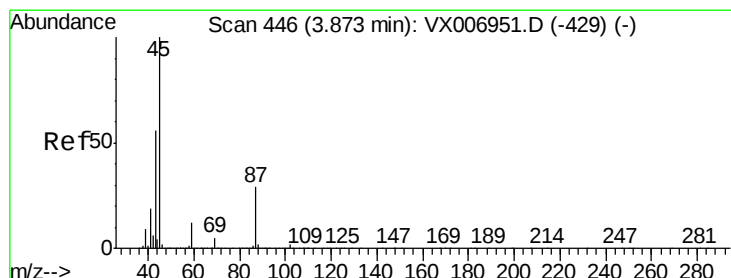
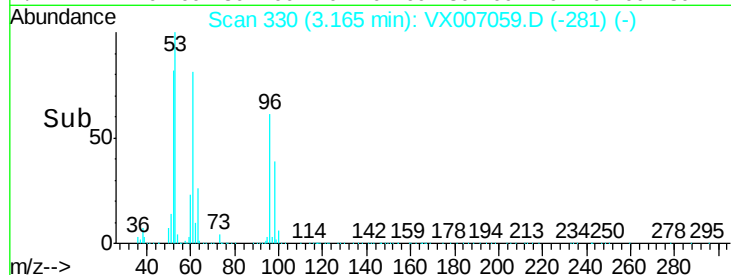
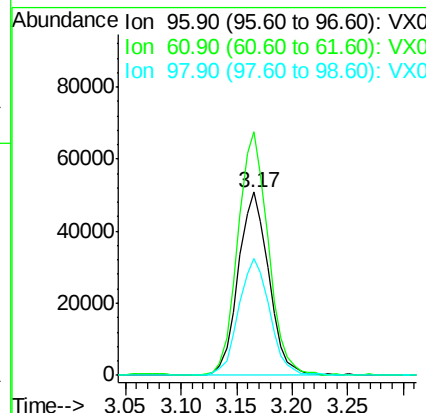
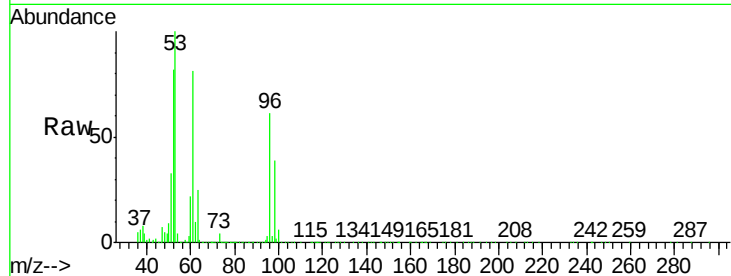
ClientSampleId :

VX0115WBS02

Tot Ion:	96	Resp:	95978
Ion	Ratio	Lower	Upper
96	100		
61	133.0	103.7	155.5
98	63.8	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#22

Diisopropyl ether

Concen: 19.748 ug/l

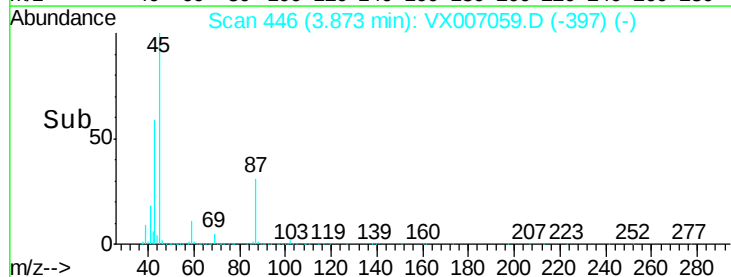
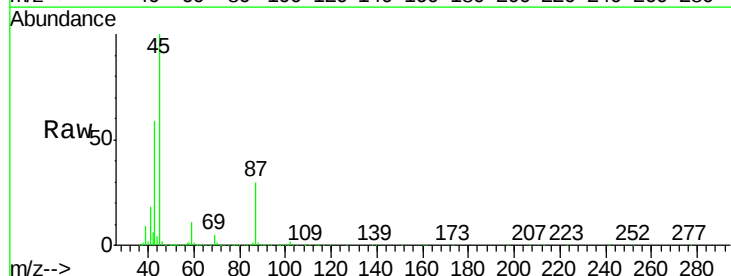
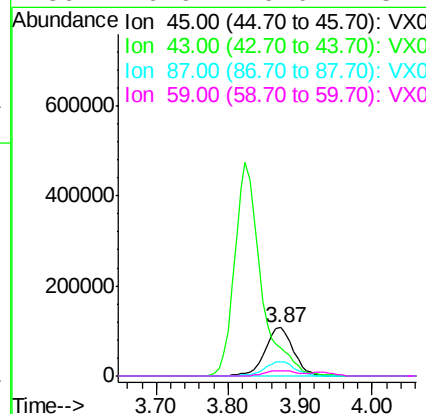
RT: 3.87 min Scan# 446

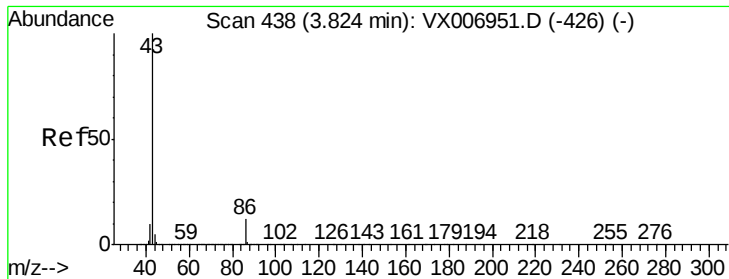
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	45	Resp:	294126
Ion	Ratio	Lower	Upper
45	100		
43	59.4	51.2	76.8
87	30.5	25.8	38.6
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 96.557 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 43 Resp: 1212809

Ion Ratio Lower Upper

43 100

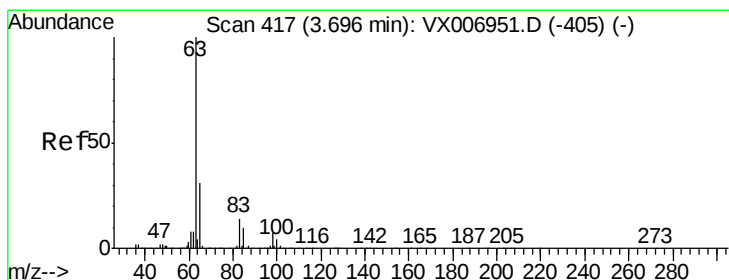
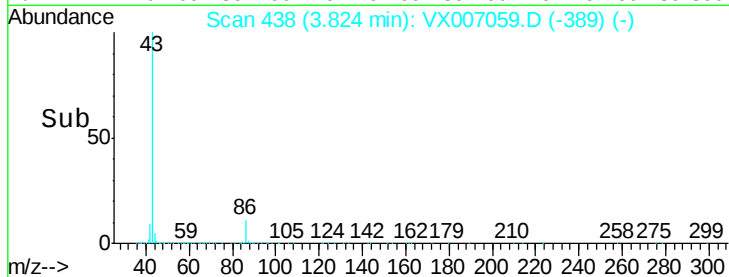
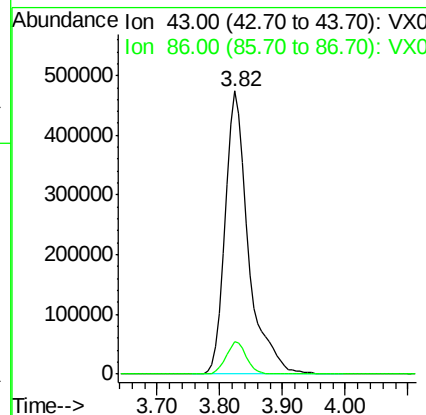
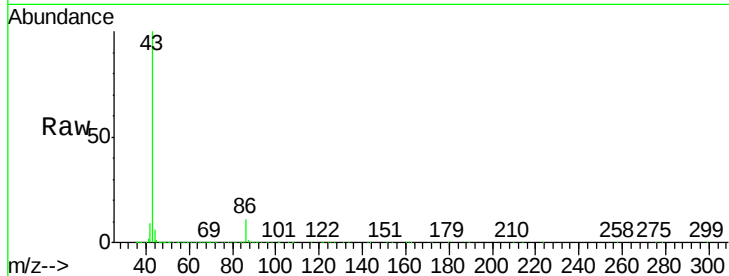
86 11.3 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#24

1,1-Dichloroethane

Concen: 19.617 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

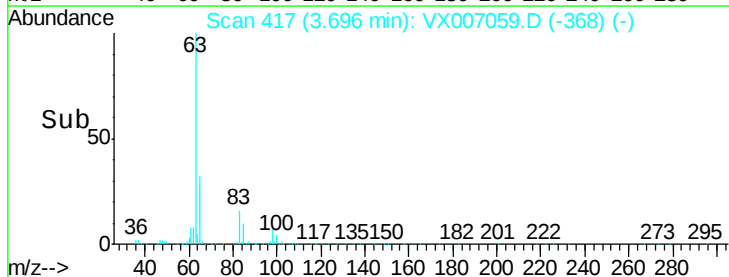
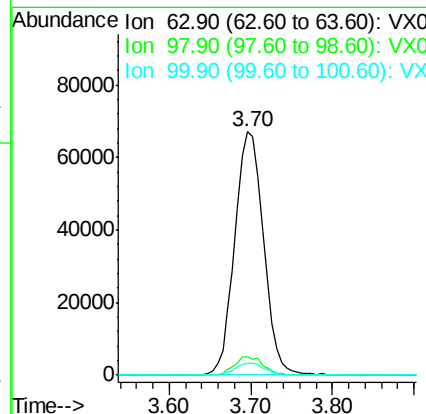
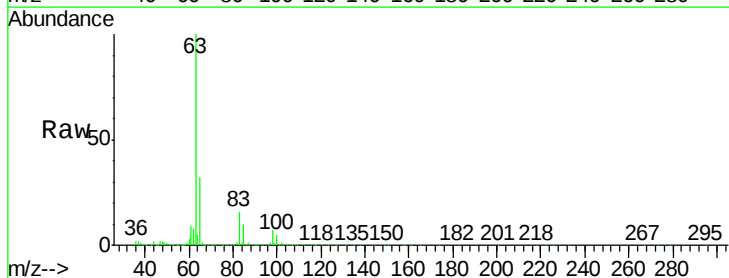
Tgt Ion: 63 Resp: 163376

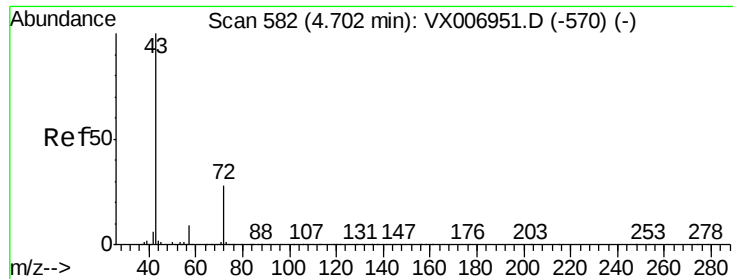
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 103.469 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 43 Resp: 384728

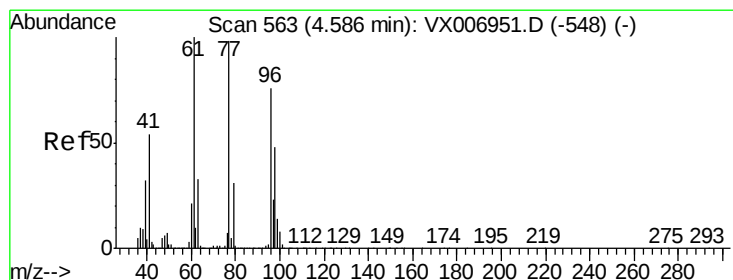
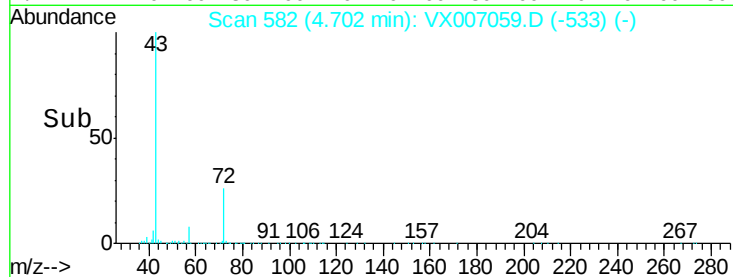
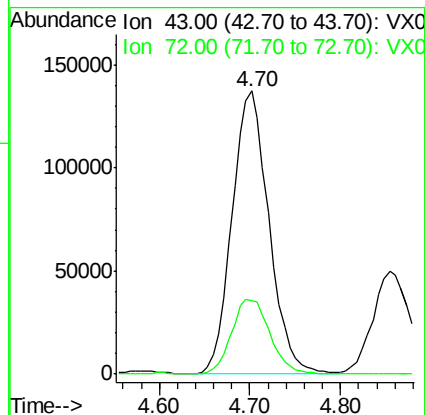
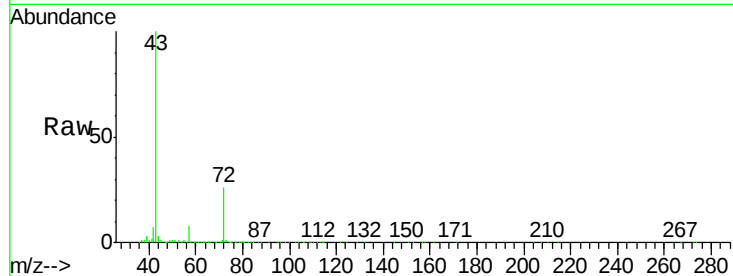
Ion Ratio Lower Upper

43 100

72 26.1 22.4 33.6

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#26

2,2-Dichloropropane

Concen: 17.304 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007059.D

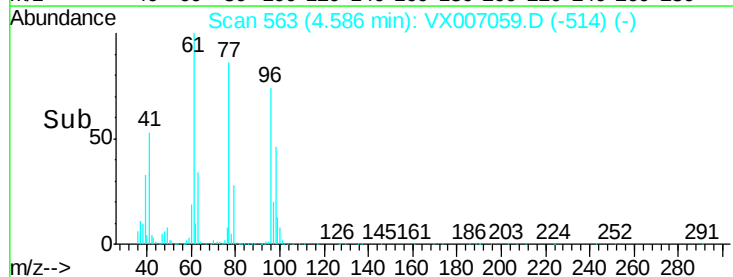
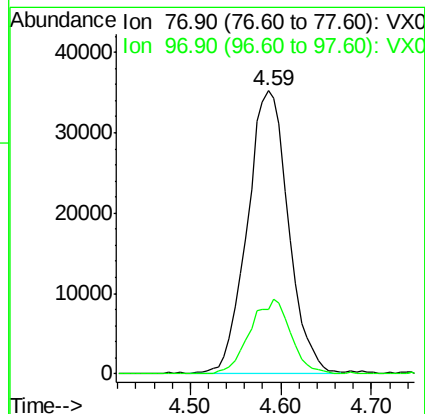
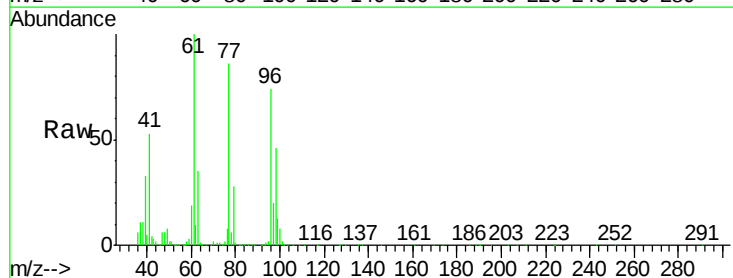
Acq: 15 Jan 2019 15:33

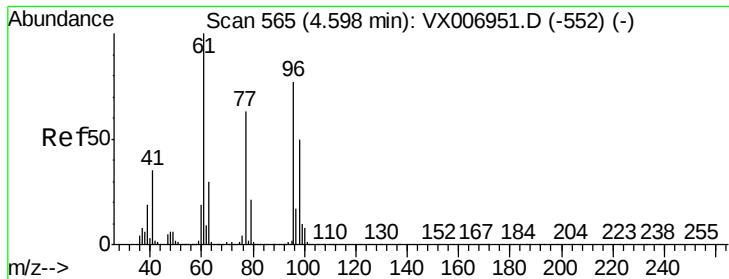
Tgt Ion: 77 Resp: 110818

Ion Ratio Lower Upper

77 100

97 26.1 12.4 37.4





#27

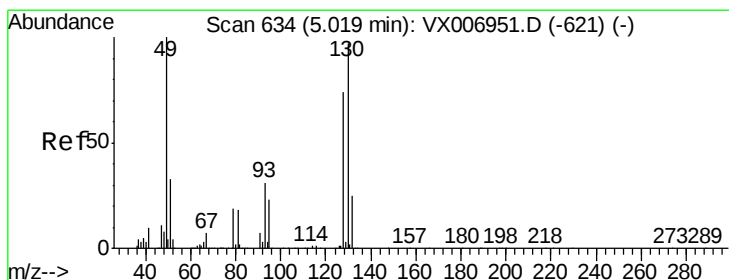
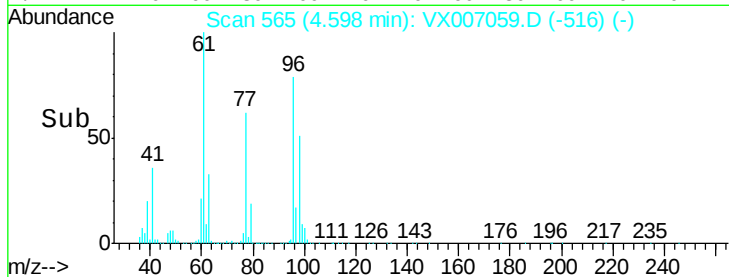
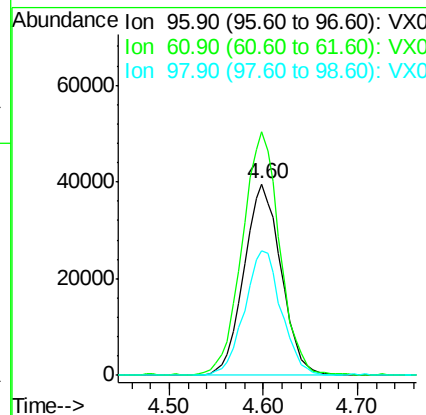
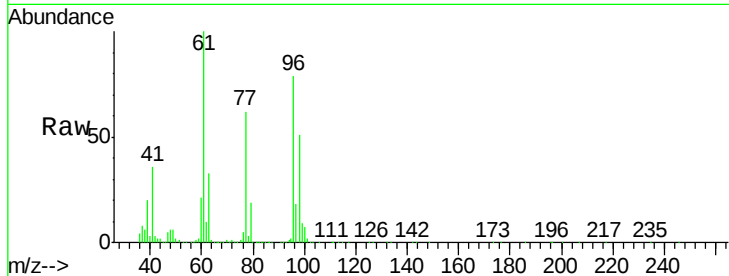
cis-1,2-Dichloroethene
Concen: 19.251 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	258.6
98	64.2	0.0	132.0

Manual Integrations
APPROVED

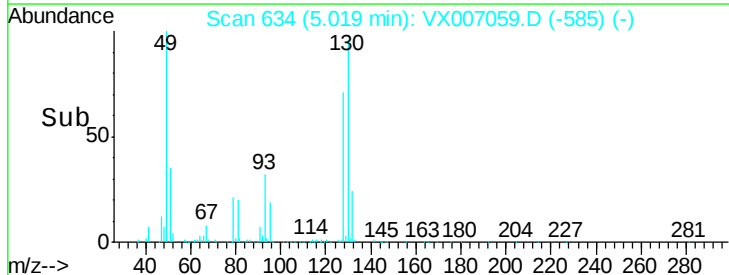
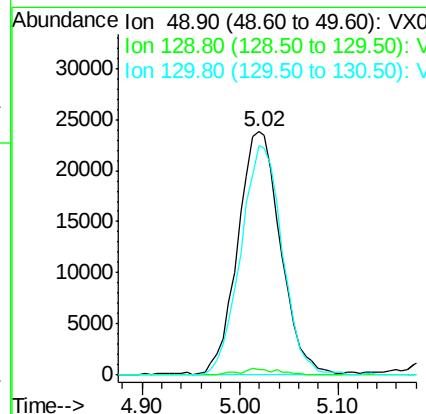
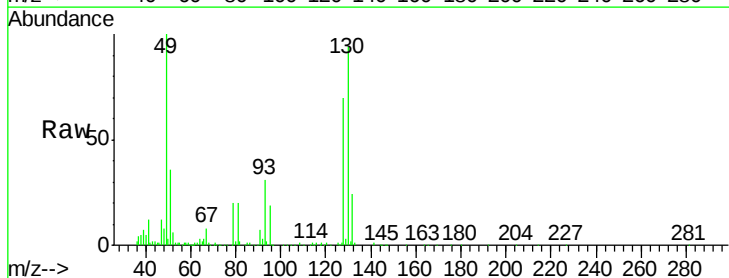
MMDadoda
1/16/2019 9:19:55 AM

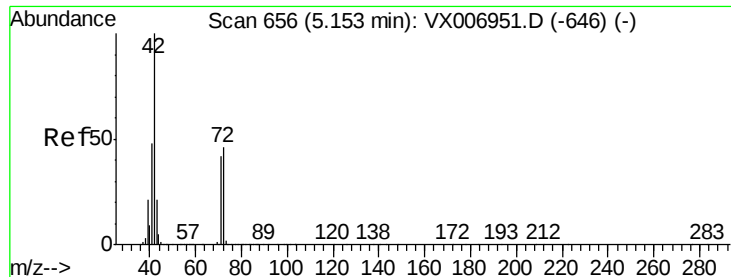


#28

Bromochloromethane
Concen: 19.868 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.4
130	91.9	77.7	116.5





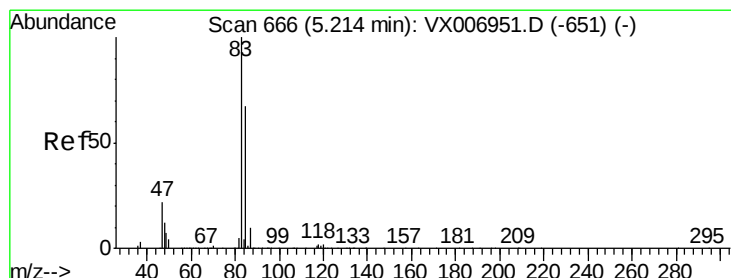
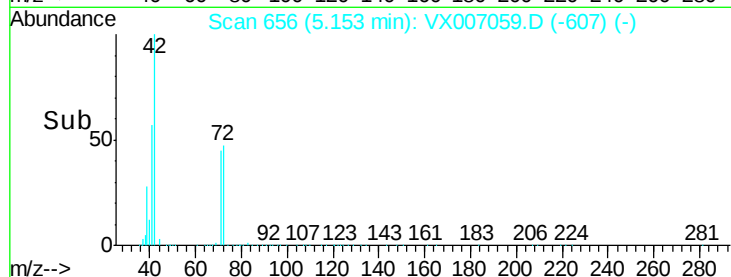
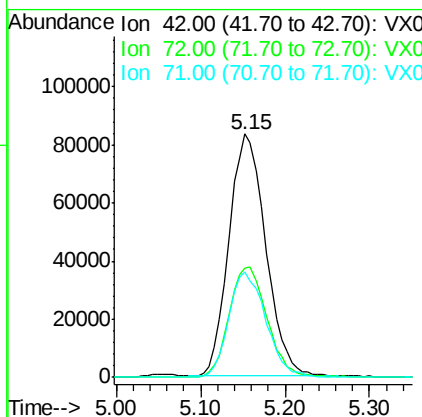
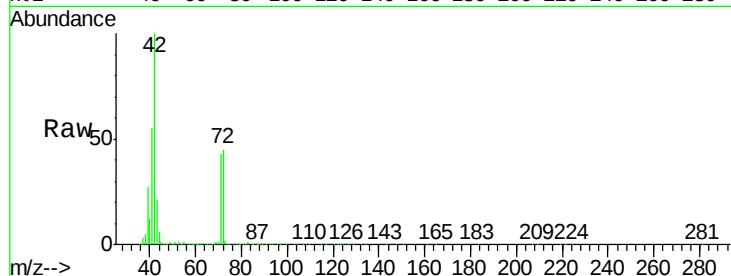
#29
Tetrahydrofuran
Concen: 102.101 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	38.9	58.3
71	44.1	36.2	54.4

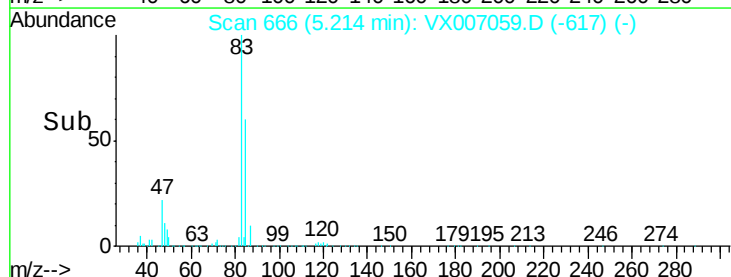
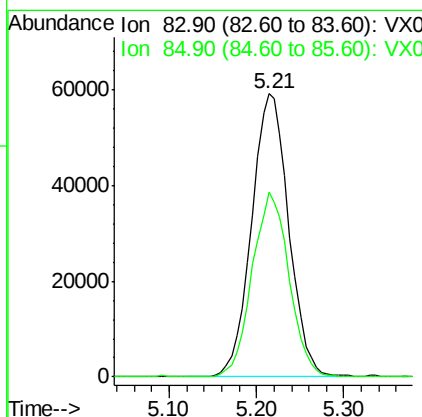
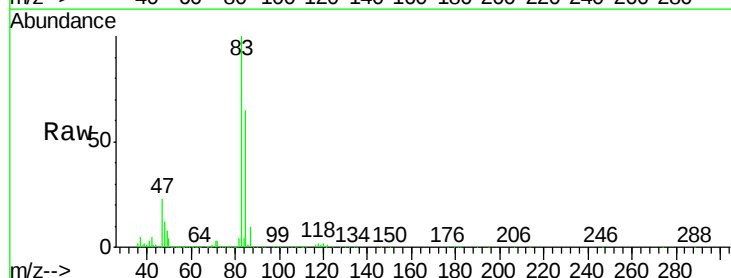
Manual Integrations
APPROVED

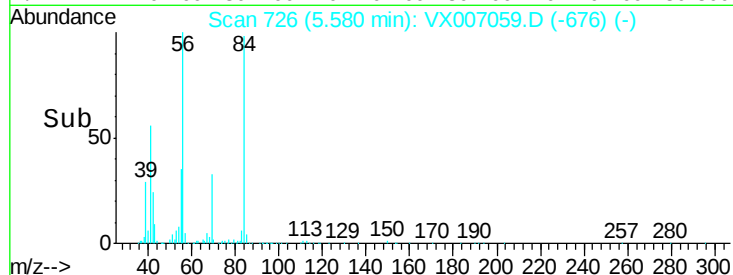
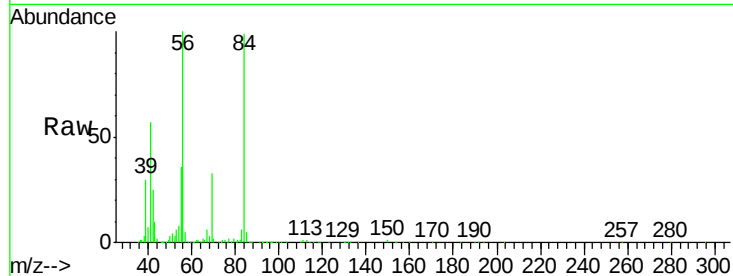
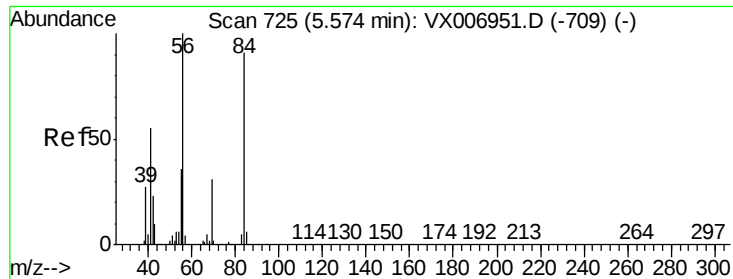
MMDadoda
1/16/2019 9:19:55 AM



#30
Chloroform
Concen: 20.053 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.2	76.8





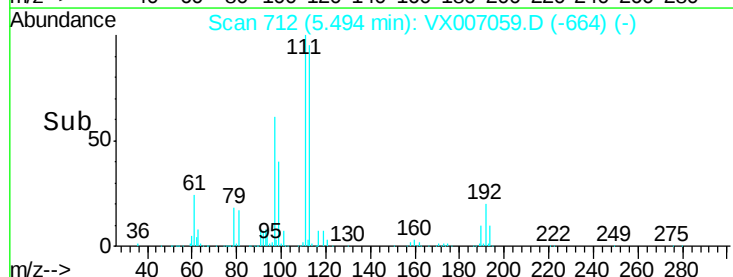
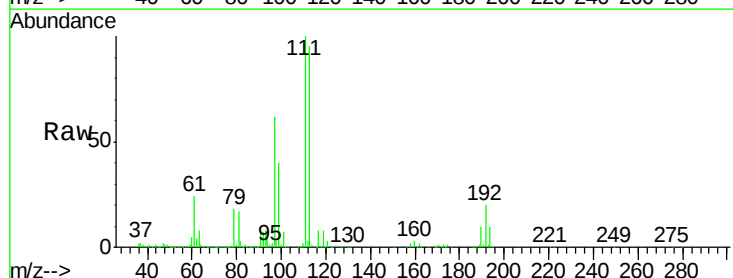
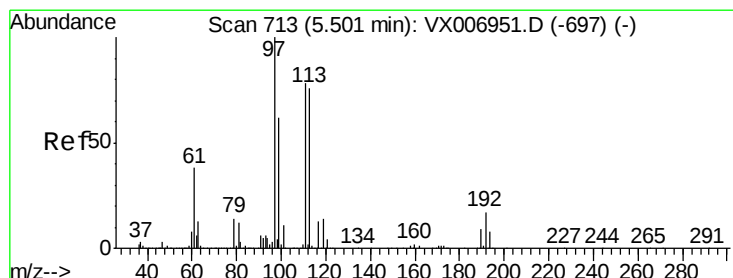
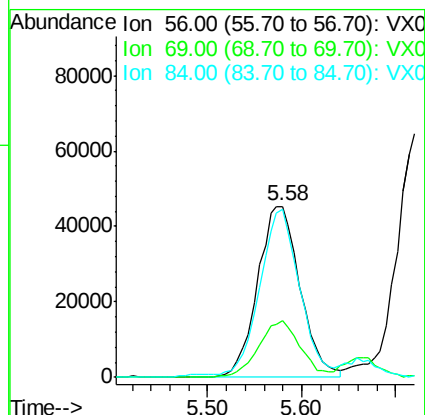
#31
Cyclohexane
Concen: 19.289 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	24.4	36.6
84	96.6	70.0	105.0

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

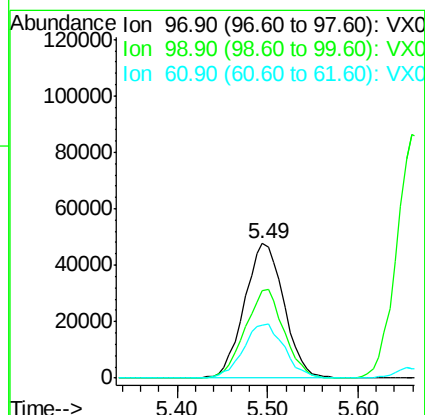
Manual Integrations
APPROVED

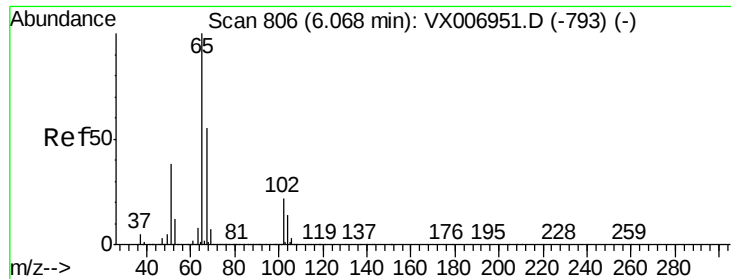
MMDadoda
1/16/2019 9:19:55 AM



#32
1,1,1-Trichloroethane
Concen: 19.476 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	41.7	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.777 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 65 Resp: 266907

Ion Ratio Lower Upper

65 100

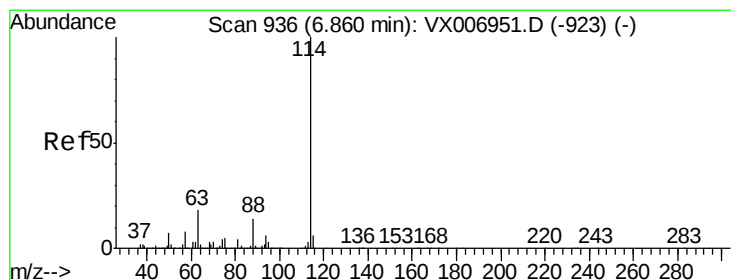
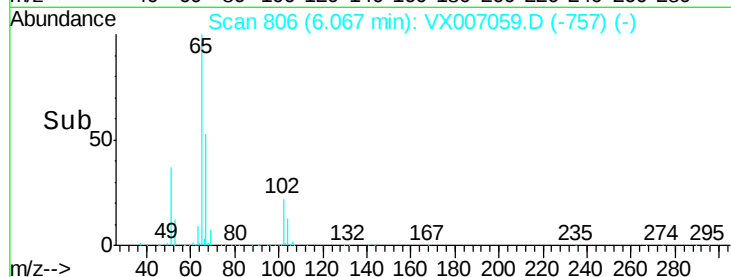
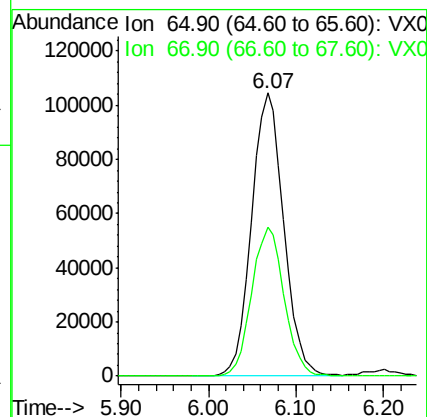
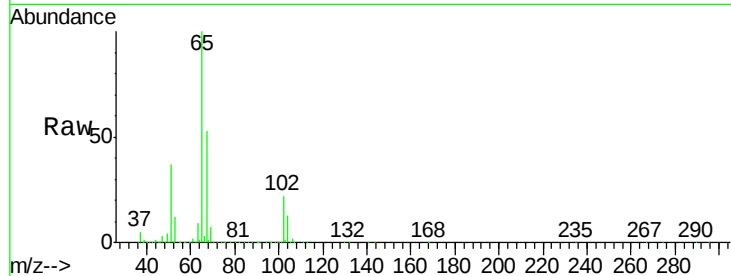
67 53.0 0.0 105.0

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

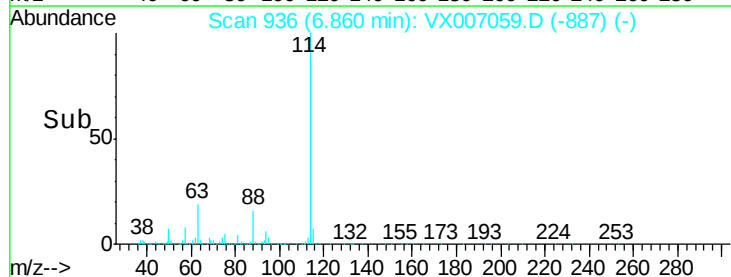
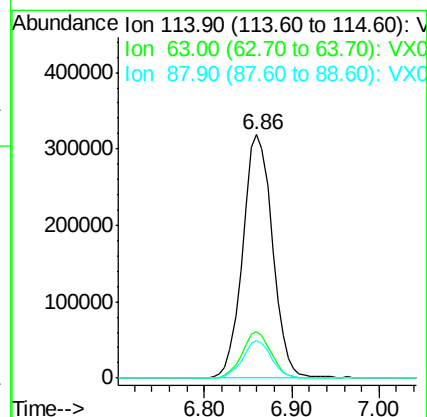
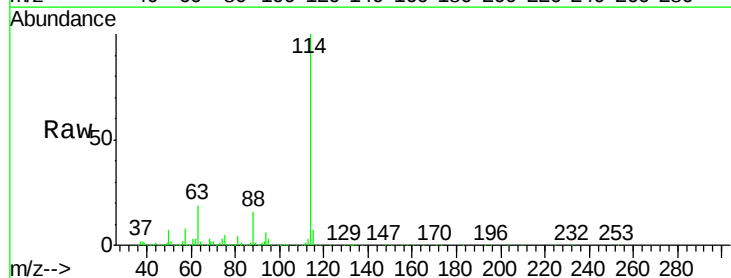
Tgt Ion: 114 Resp: 754639

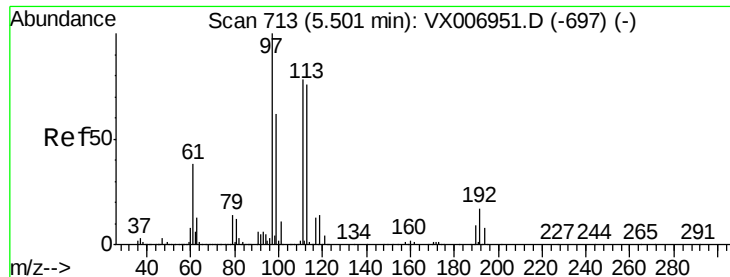
Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.8

88 15.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.219 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

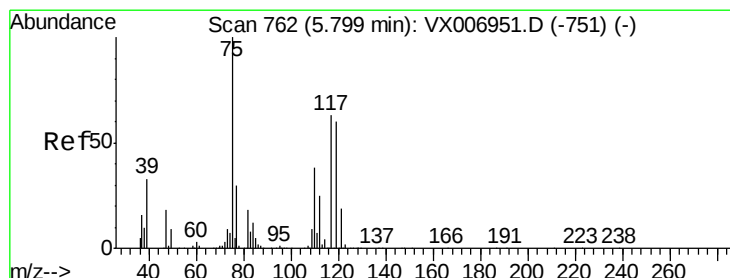
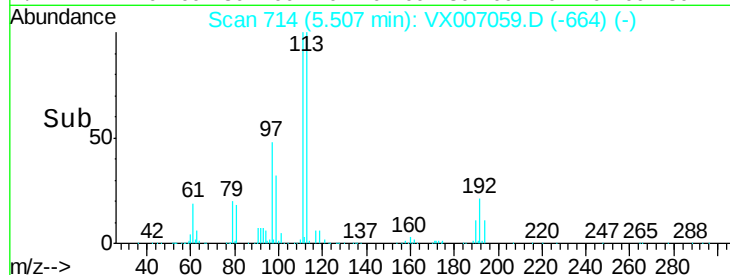
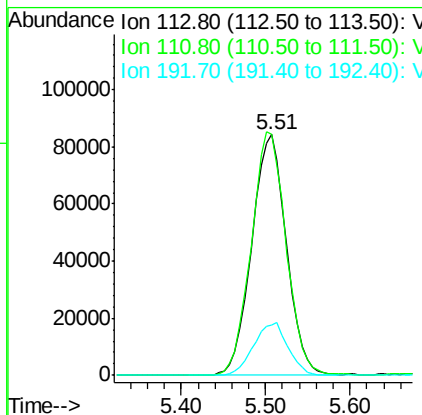
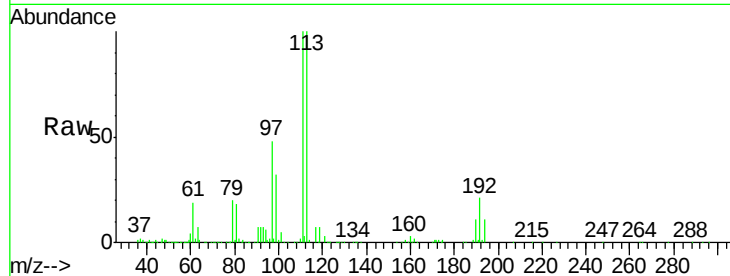
ClientSampleId :

VX0115WBS02

Tot Ion:	113	Resp:	237858
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	21.8	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#36

1,1-Dichloropropene

Concen: 19.003 ug/l

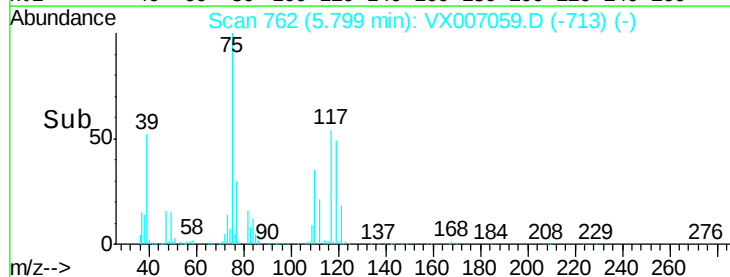
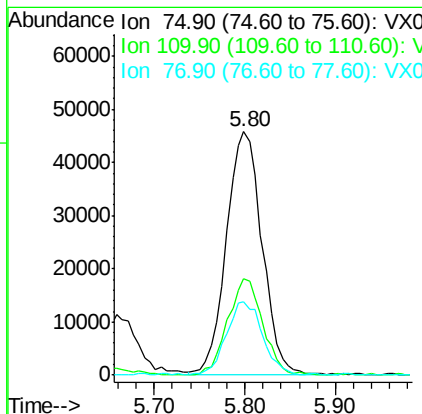
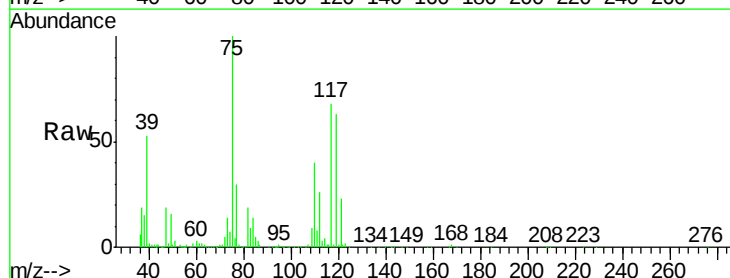
RT: 5.80 min Scan# 762

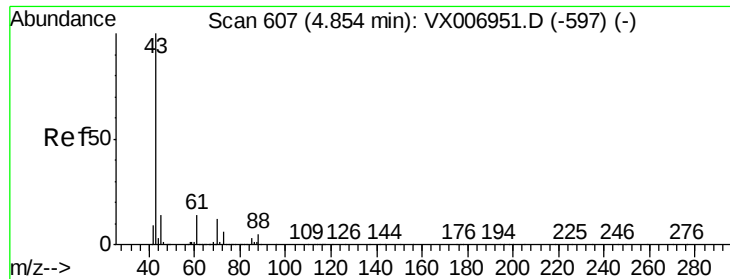
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	75	Resp:	124678
Ion Ratio	Lower	Upper	
75	100		
110	39.2	20.2	60.5
77	29.9	24.8	37.2





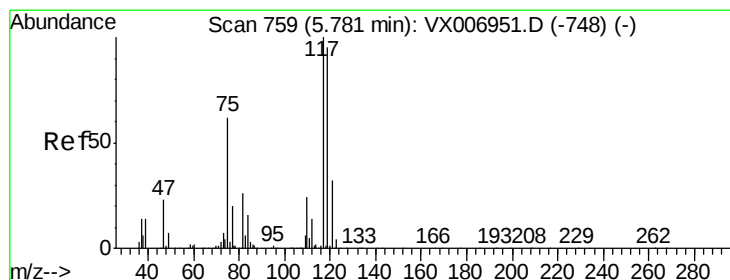
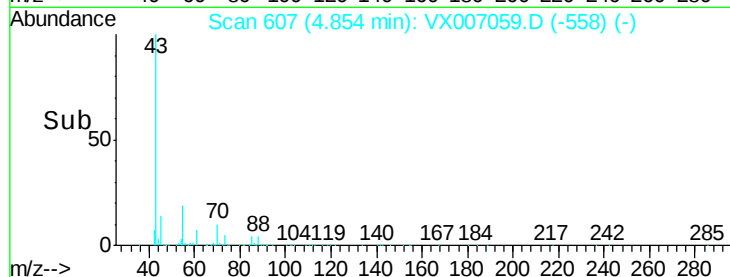
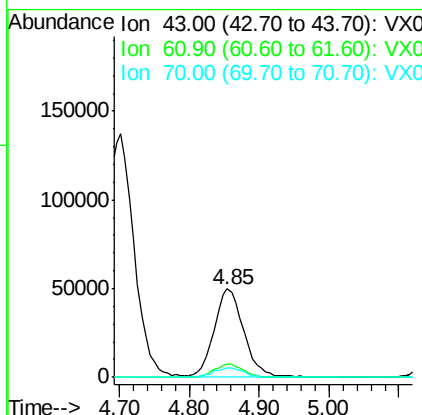
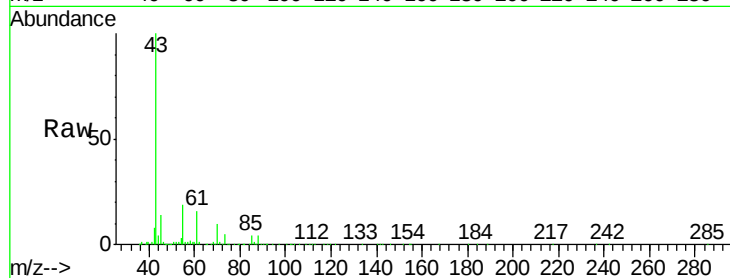
#37
Ethyl Acetate
Concen: 20.539 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.5	9.7	14.5

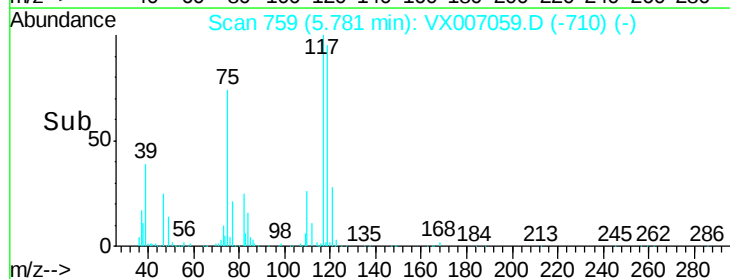
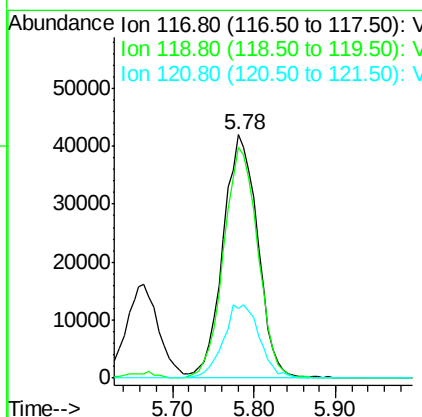
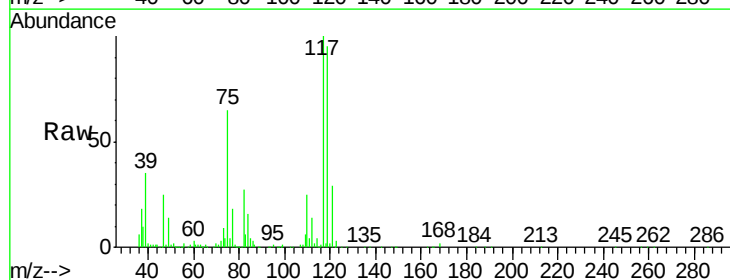
Manual Integrations
APPROVED

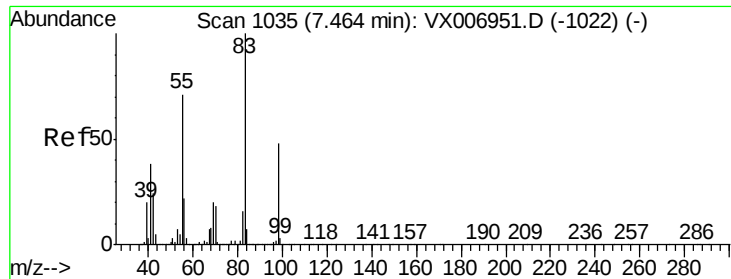
MMDadoda
1/16/2019 9:19:55 AM



#38
Carbon Tetrachloride
Concen: 18.550 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.4	119.2
121	28.7	24.0	36.0





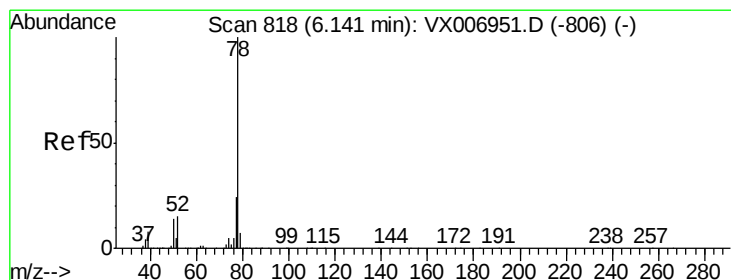
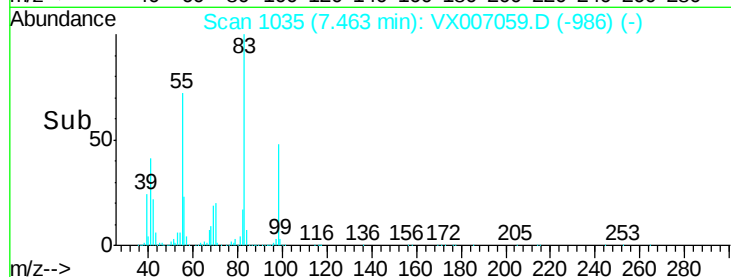
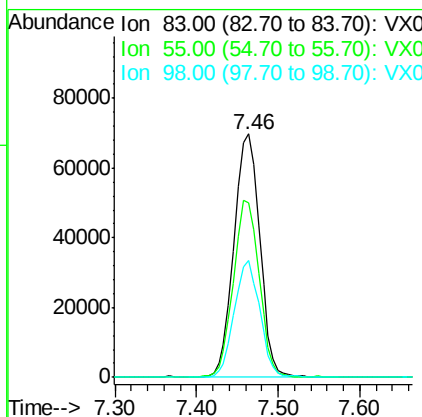
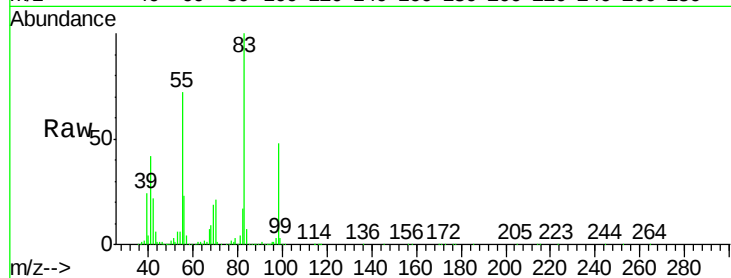
#39
Methvlcvclohexane
Concen: 18.292 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	152998		
55	71.7		54.9	82.3
98	48.1		37.9	56.9

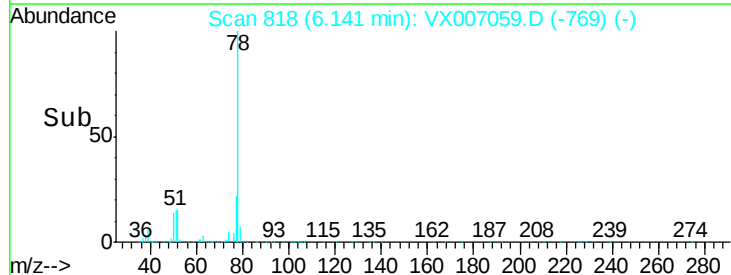
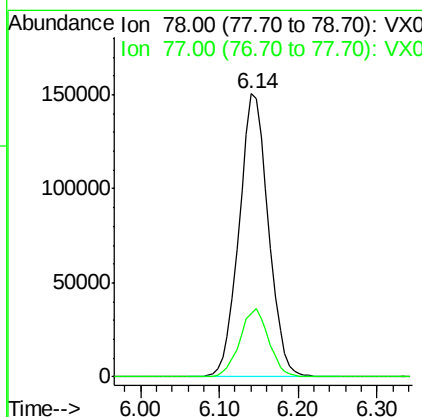
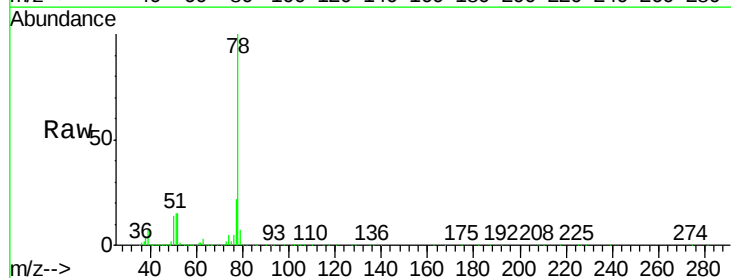
Manual Integrations
APPROVED

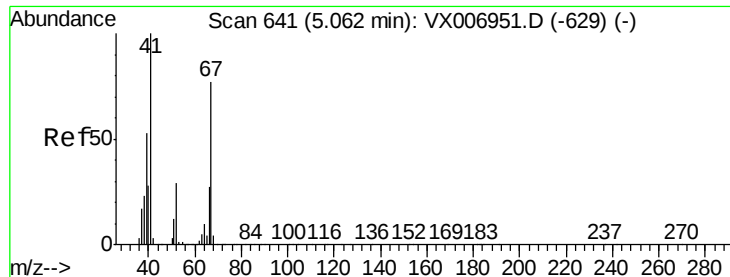
MMDadoda
1/16/2019 9:19:55 AM



#40
Benzene
Concen: 19.484 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	390060		
77	22.3		19.2	28.8





#41

Methacrylonitrile

Concen: 19.070 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WS02

Tot Ion: 41 Resp: 77275

Ion Ratio Lower Upper

41 100

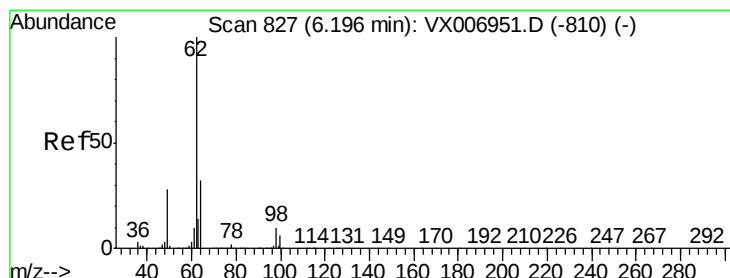
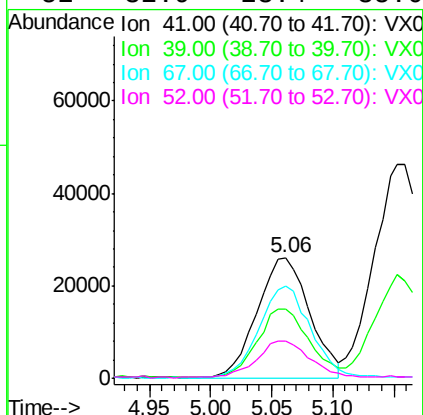
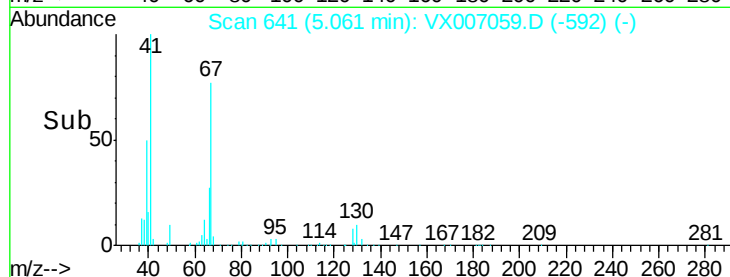
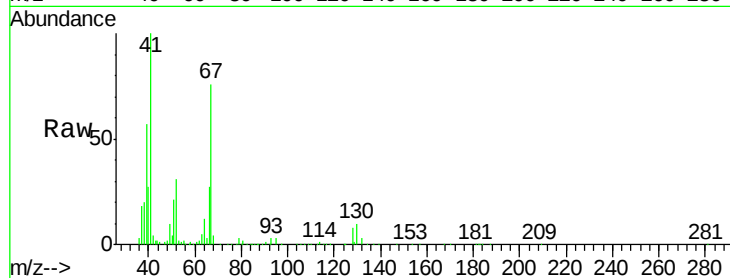
39 56.5 42.8 64.2

67 77.0 62.1 93.1

52 32.9 23.4 35.0

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#42

1,2-Dichloroethane

Concen: 18.895 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007059.D

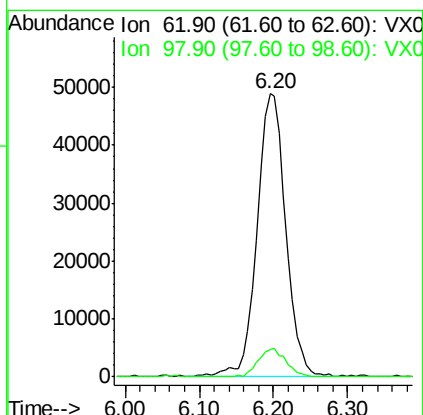
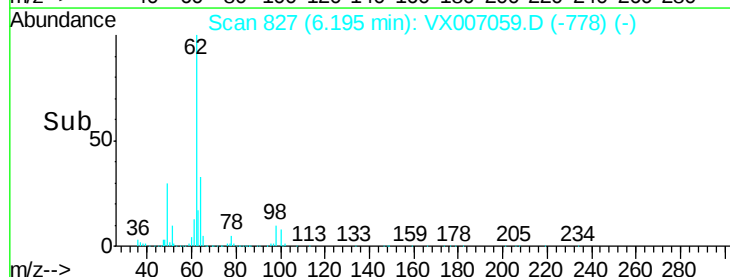
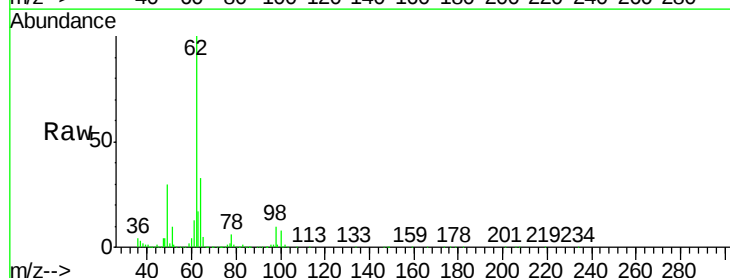
Acq: 15 Jan 2019 15:33

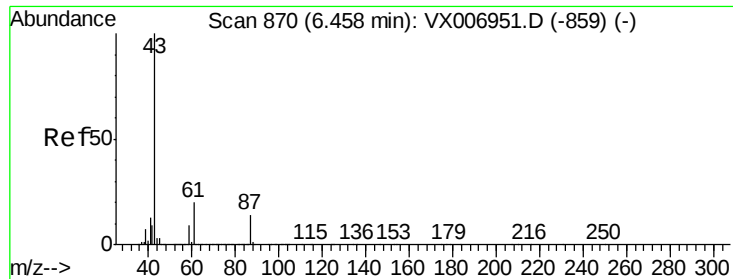
Tgt Ion: 62 Resp: 130717

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.268 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

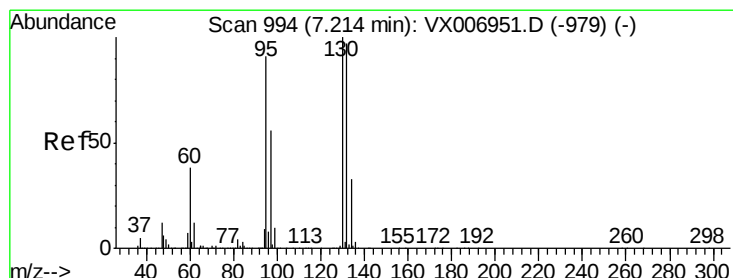
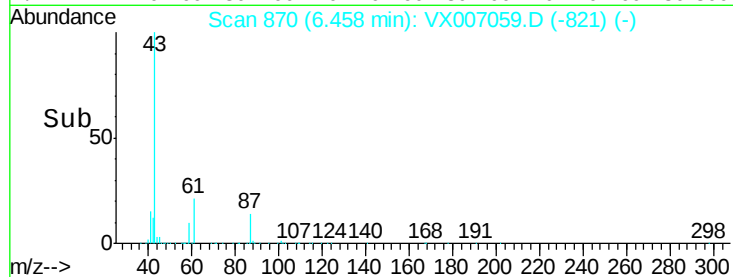
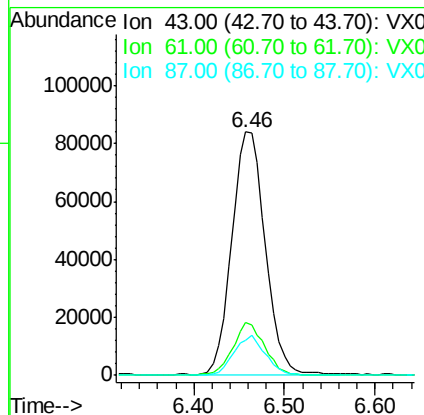
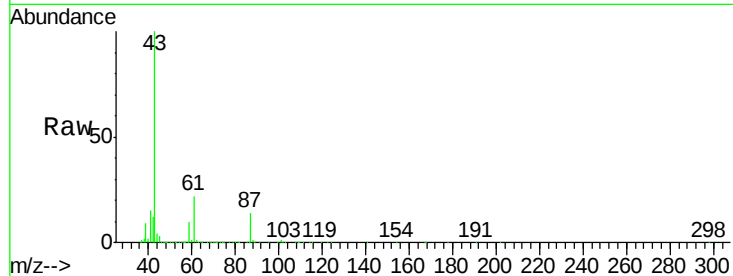
ClientSampleId :

VX0115WBS02

Tot Ion:	43	Resp:	213783
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	15.6	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#44

Trichloroethene

Concen: 18.902 ug/l

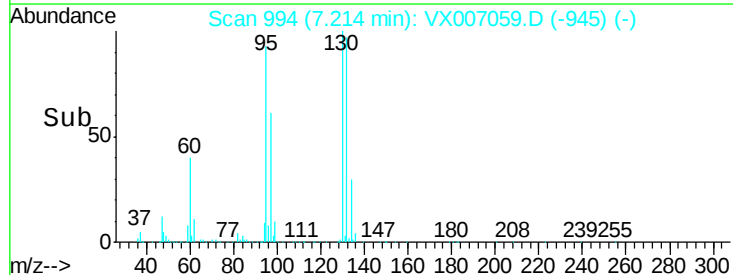
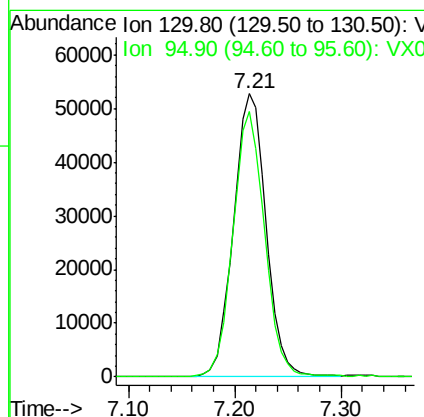
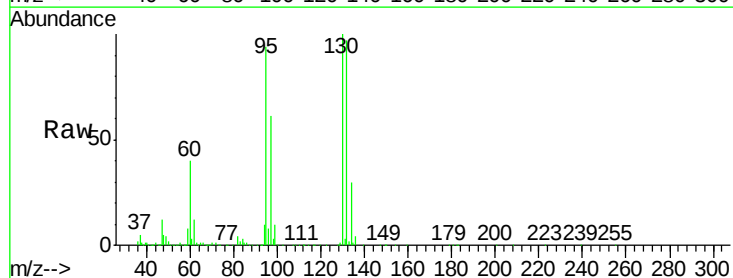
RT: 7.21 min Scan# 994

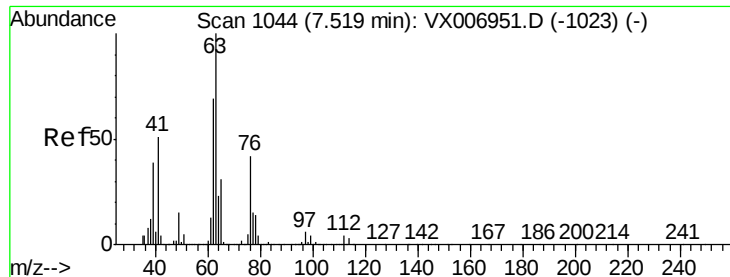
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	130	Resp:	113397
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.074 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 63 Resp: 95999

Ion Ratio Lower Upper

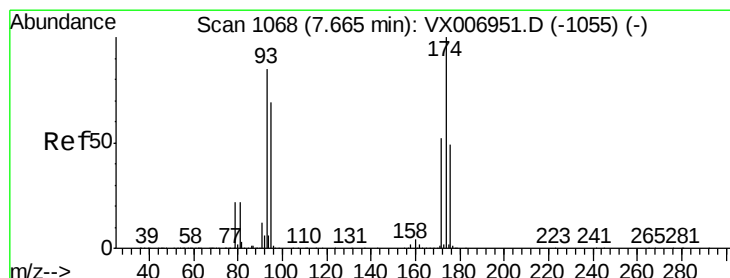
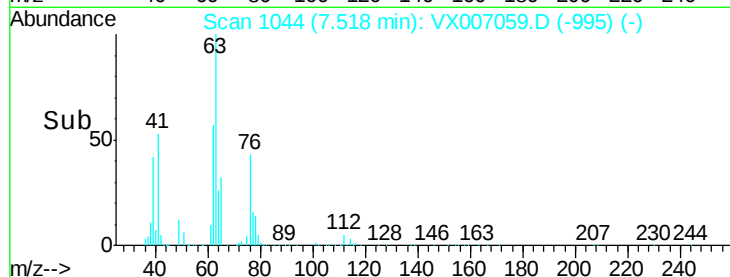
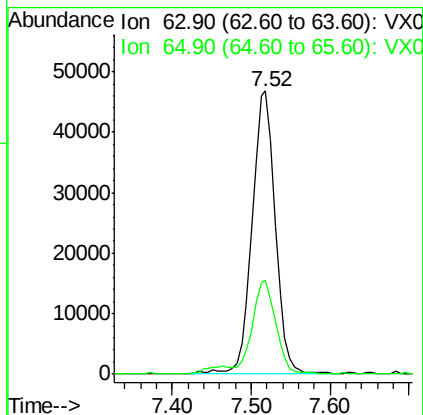
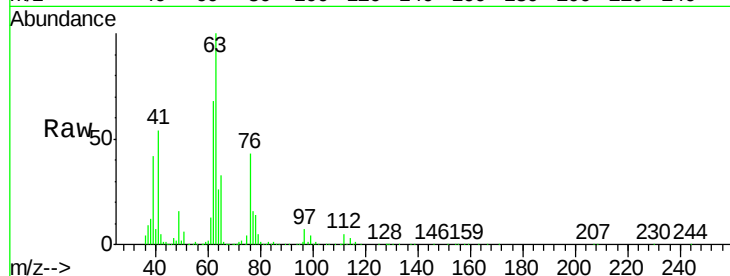
63 100

65 33.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#46

Dibromomethane

Concen: 19.094 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

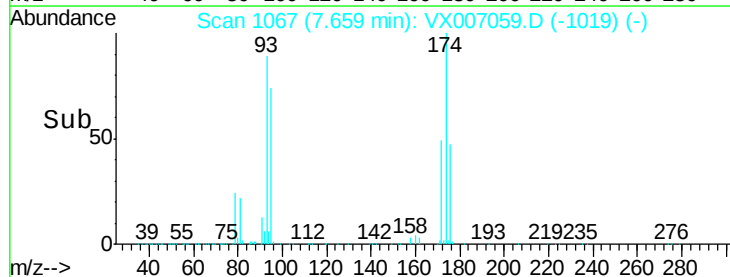
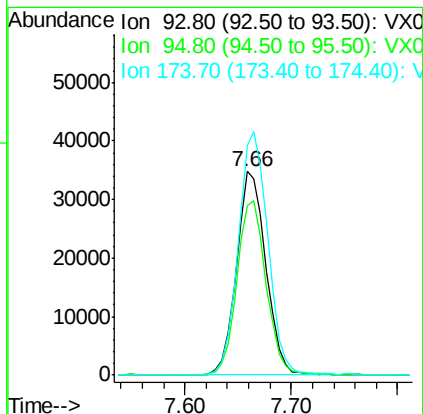
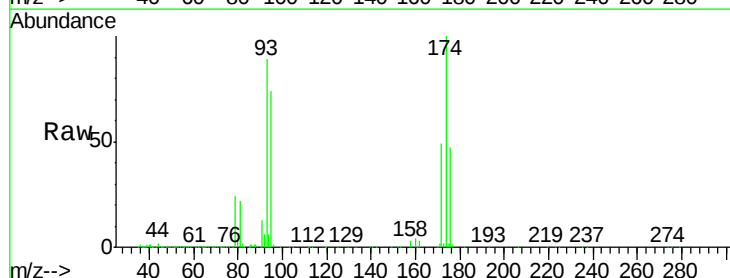
Tgt Ion: 93 Resp: 67540

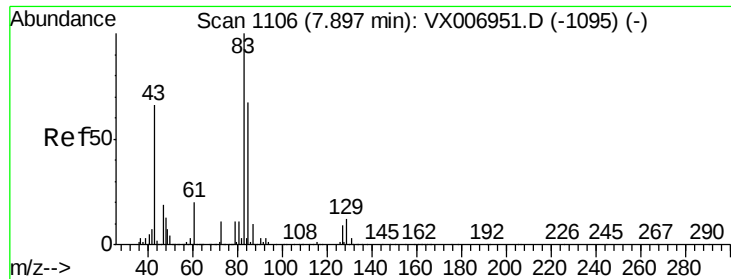
Ion Ratio Lower Upper

93 100

95 85.3 66.2 99.4

174 119.9 91.0 136.4





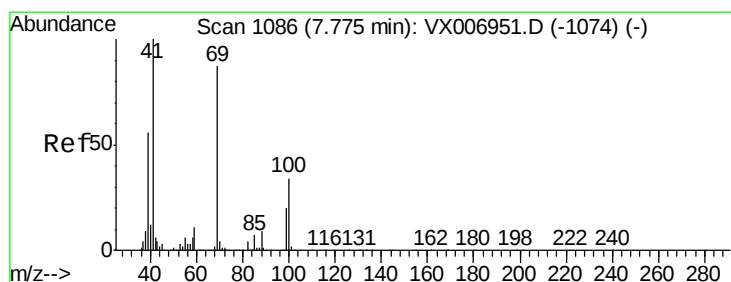
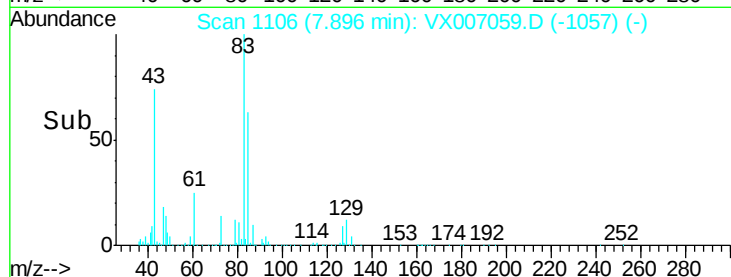
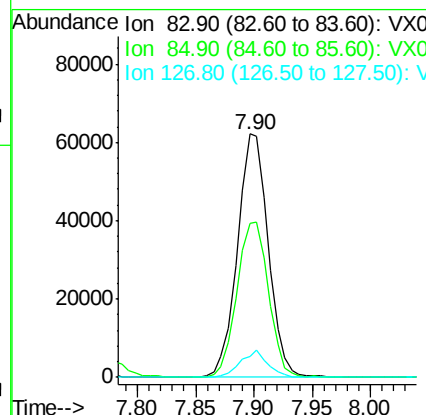
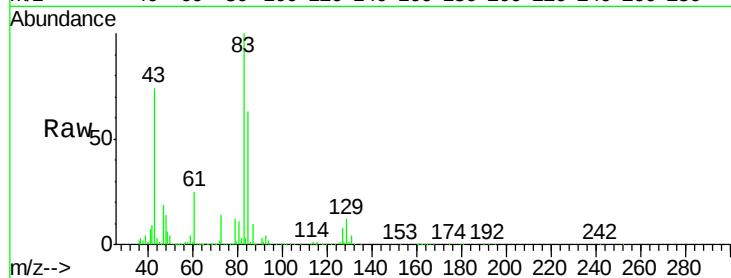
#47
Bromodichloromethane
Concen: 19.044 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	114659		
85	63.3	53.2	79.8	
127	8.5	7.8	11.6	

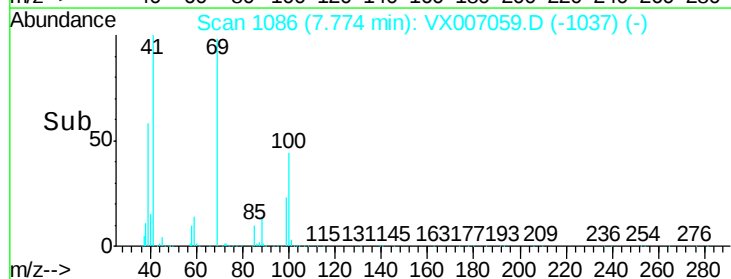
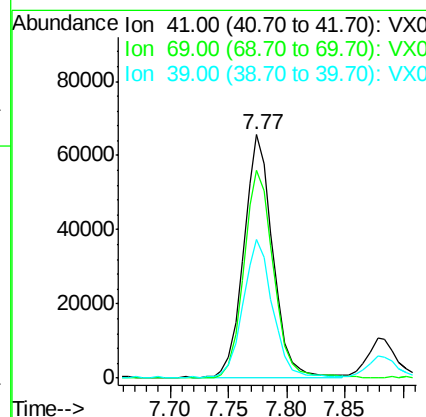
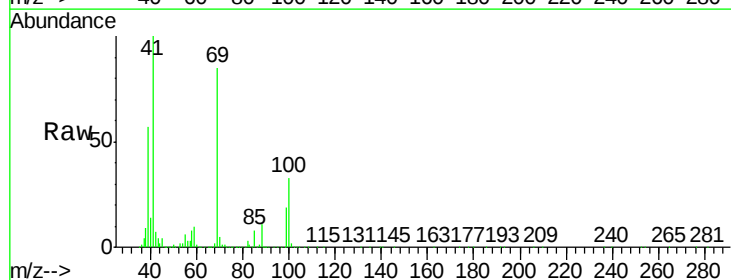
Manual Integrations
APPROVED

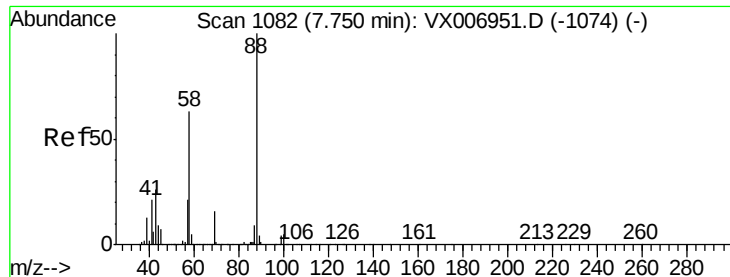
MMDadoda
1/16/2019 9:19:55 AM



#48
Methyl methacrylate
Concen: 19.887 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113312		
69	87.5	72.4	108.6	
39	58.0	45.8	68.8	





#49

1,4-Dioxane

Concen: 411.274 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

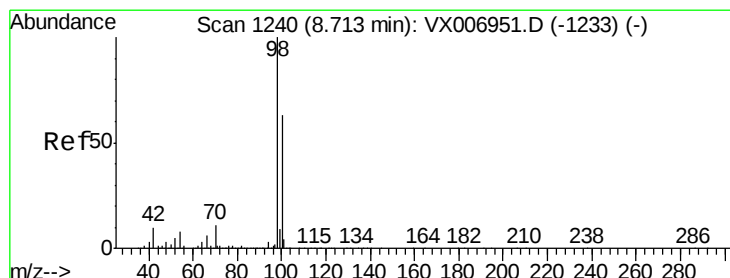
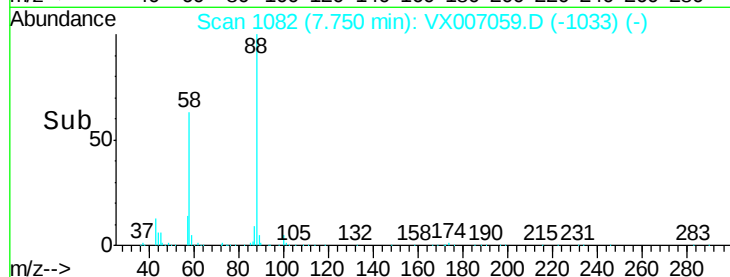
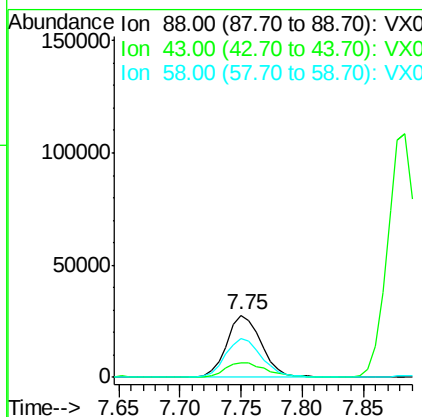
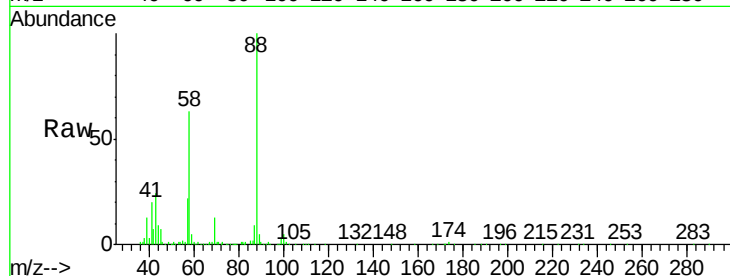
ClientSampleId :

VX0115WBS02

Tot Ion:	88	Resp:	54172
Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.2	33.4
58	65.1	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#50

Toluene-d8

Concen: 50.150 ug/l

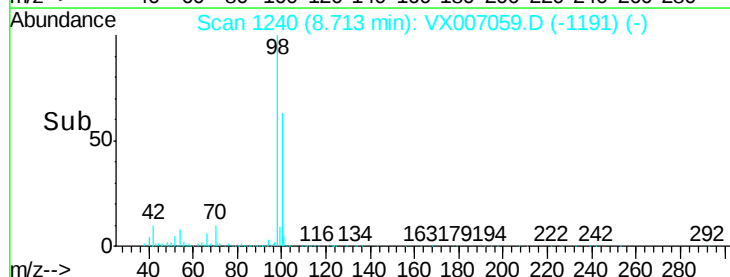
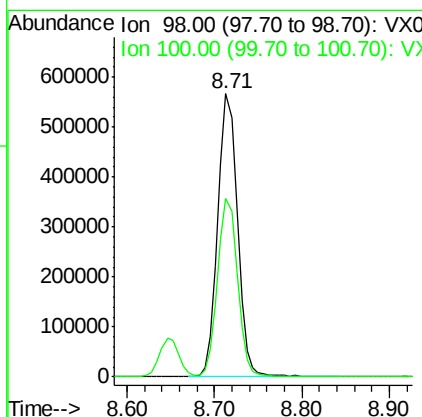
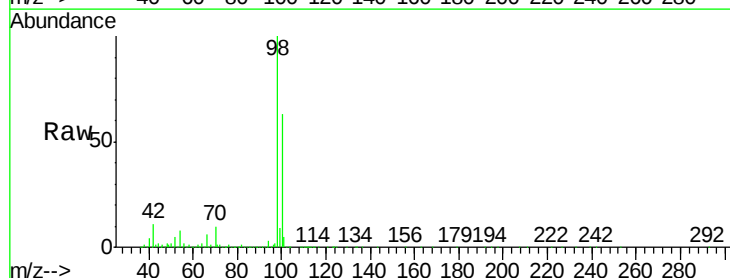
RT: 8.71 min Scan# 1240

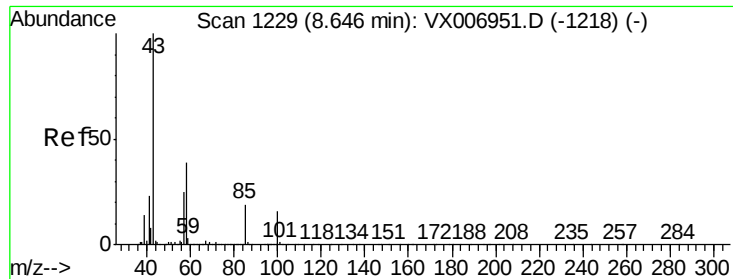
Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	98	Resp:	887114
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 105.036 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 43 Resp: 748945

Ion Ratio Lower Upper

43 100

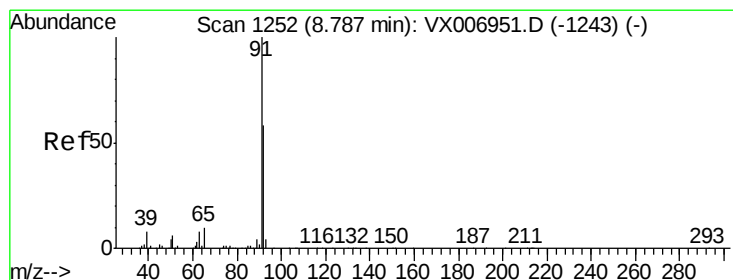
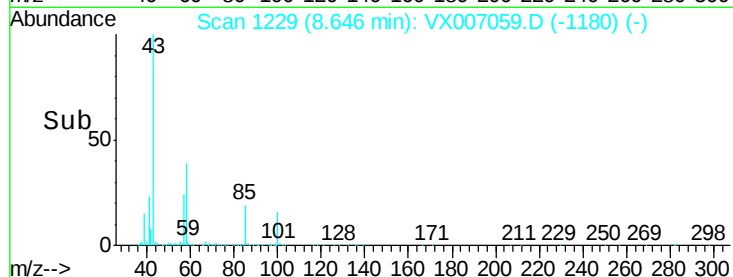
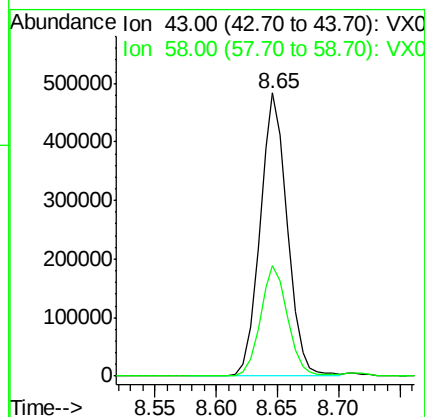
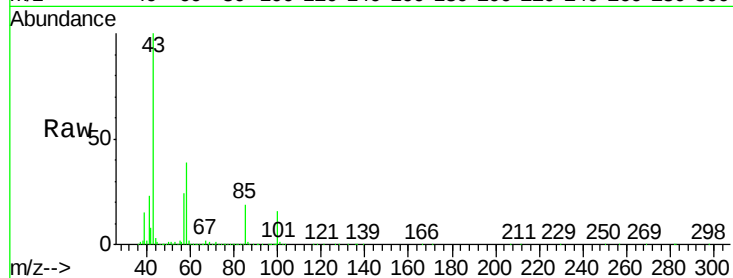
58 38.9 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#52

Toluene

Concen: 19.311 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007059.D

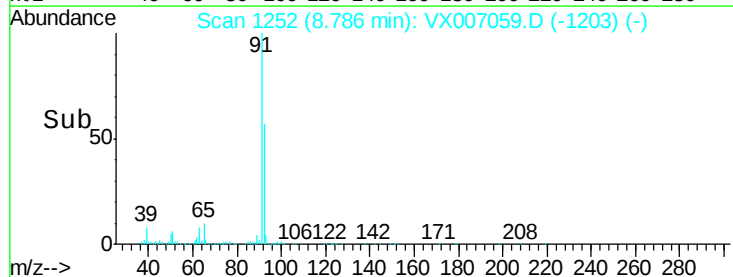
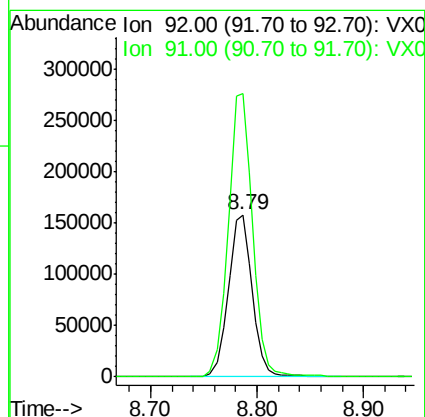
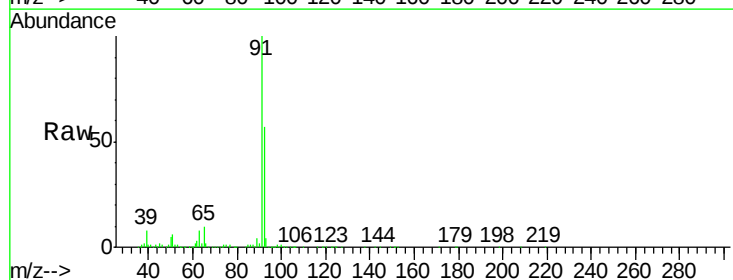
Acq: 15 Jan 2019 15:33

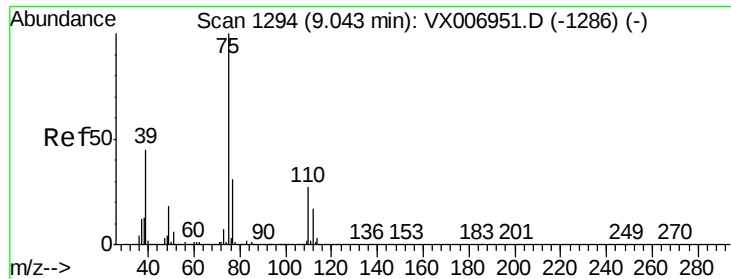
Tgt Ion: 92 Resp: 248475

Ion Ratio Lower Upper

92 100

91 177.3 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.164 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 75 Resp: 121266

Ion Ratio Lower Upper

75 100

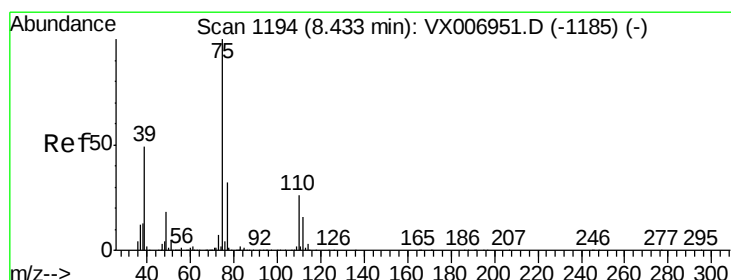
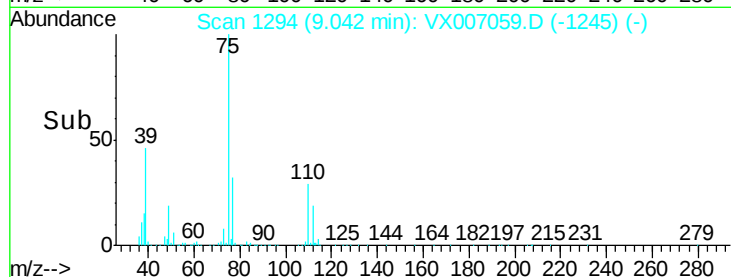
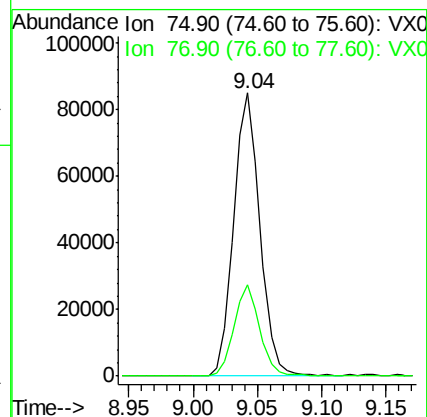
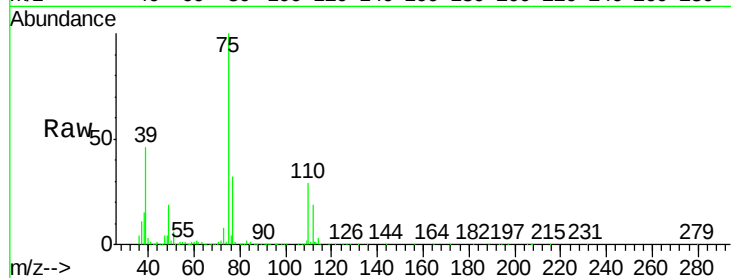
77 32.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#54

cis-1,3-Dichloropropene

Concen: 18.691 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

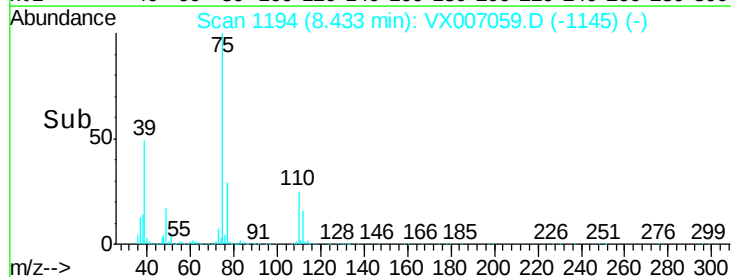
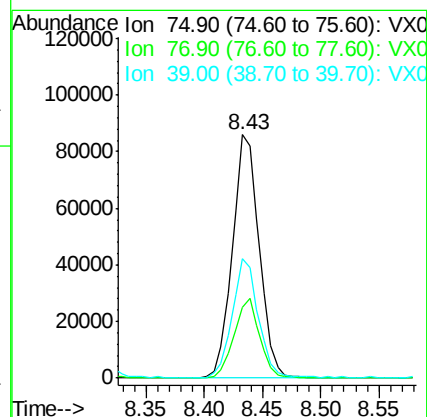
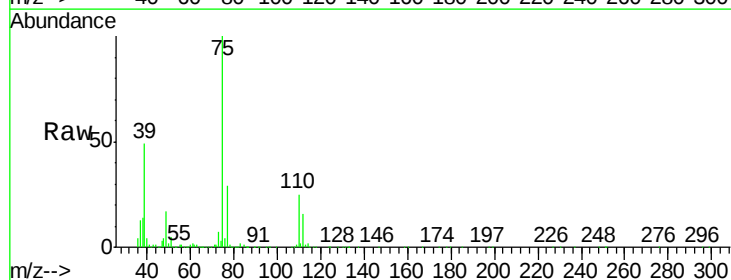
Tgt Ion: 75 Resp: 137808

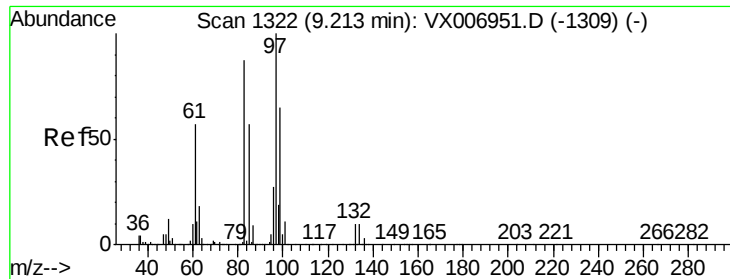
Ion Ratio Lower Upper

75 100

77 29.0 26.2 39.2

39 48.9 36.7 55.1





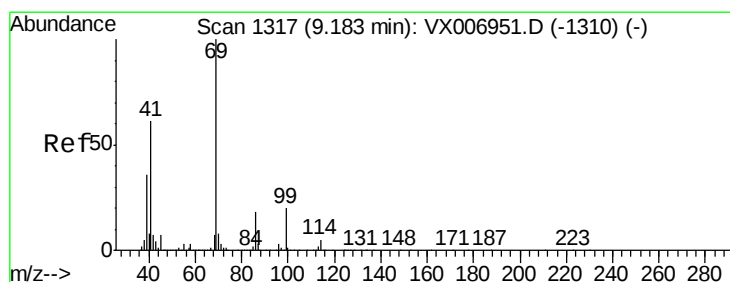
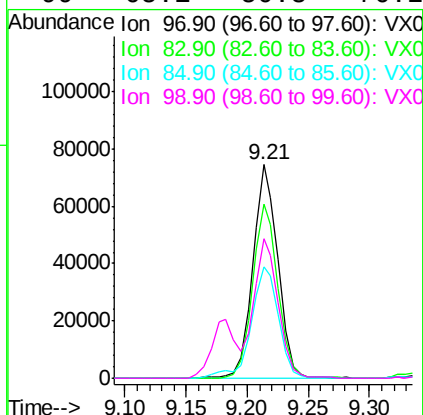
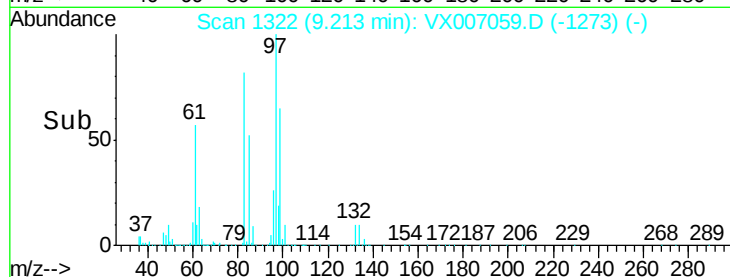
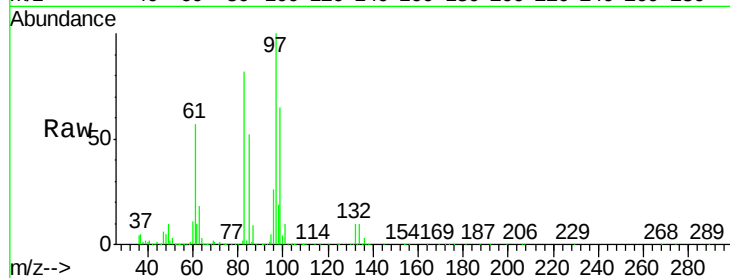
#55
1,1,2-Trichloroethane
Concen: 20.670 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.6	99.8
85	51.7	42.7	64.1
99	65.1	50.8	76.2

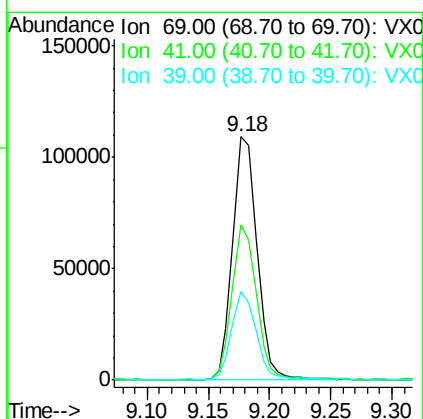
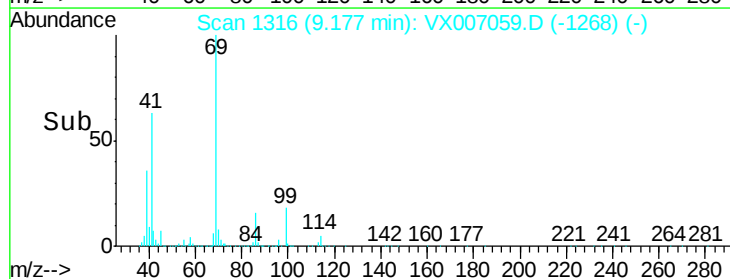
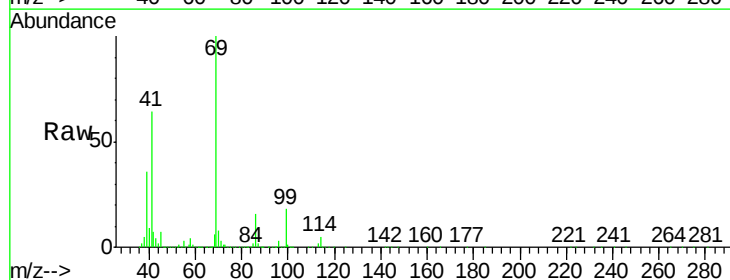
Manual Integrations
APPROVED

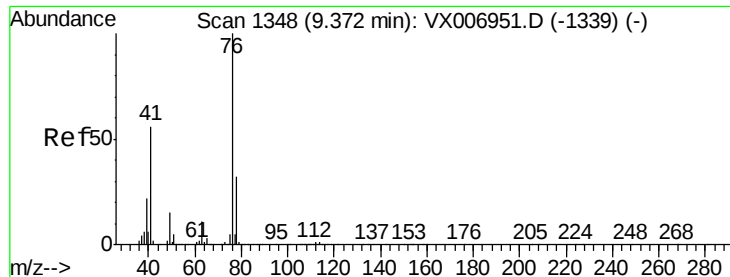
MMDadoda
1/16/2019 9:19:55 AM



#56
Ethyl methacrylate
Concen: 20.352 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.7	73.1
39	36.4	27.0	40.6





#57

1,3-Dichloropropane

Concen: 19.761 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 76 Resp: 166731

Ion Ratio Lower Upper

76 100

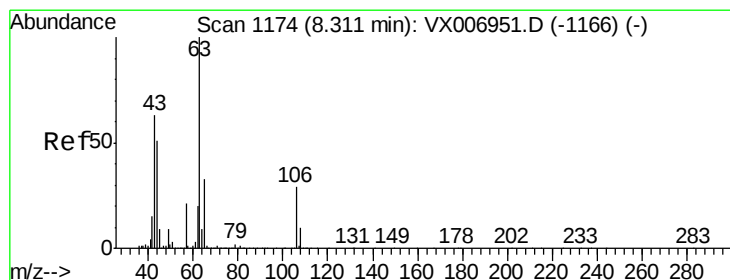
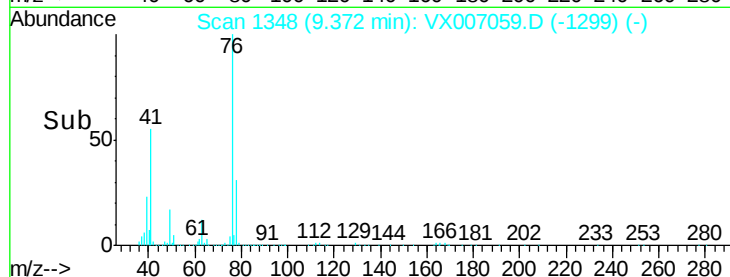
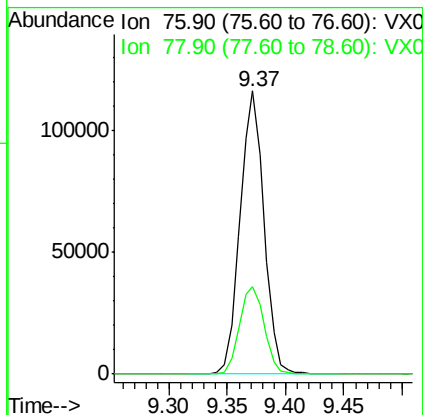
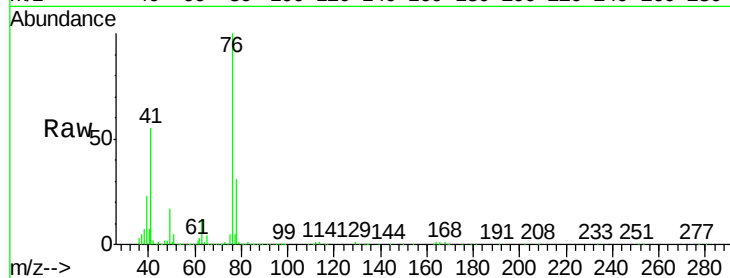
78 31.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

1/16/2019 9:19:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.401 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007059.D

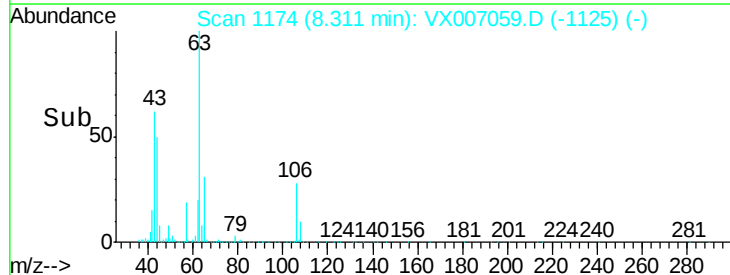
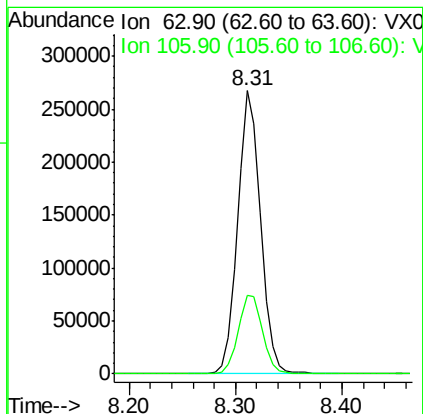
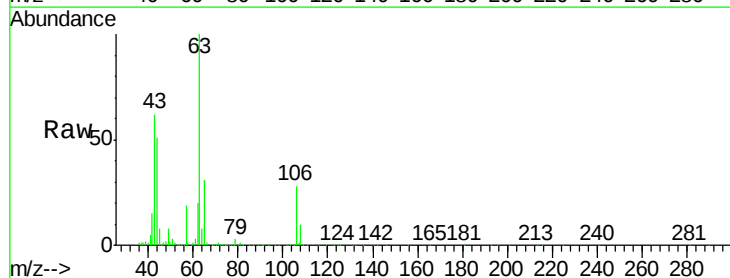
Acq: 15 Jan 2019 15:33

Tgt Ion: 63 Resp: 403592

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8





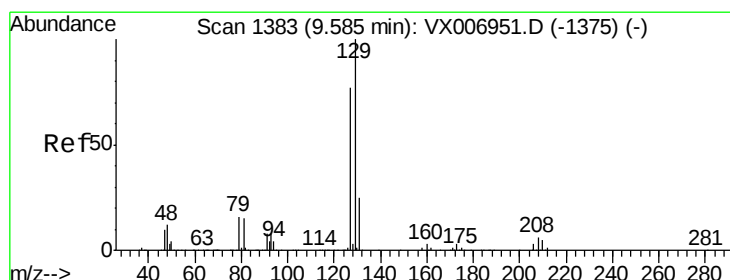
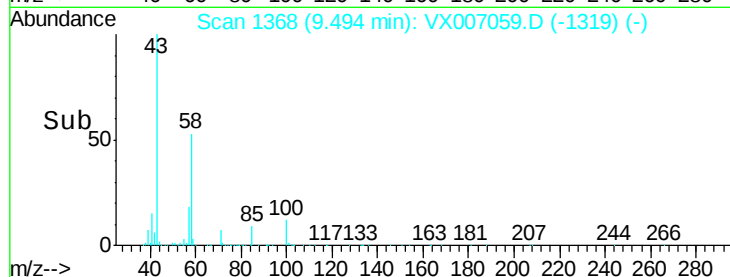
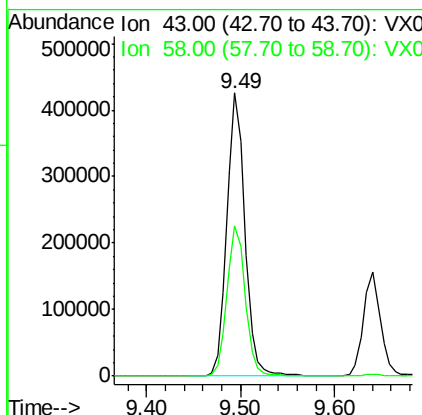
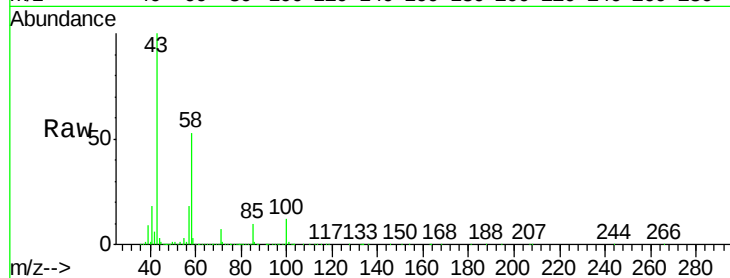
#59
2-Hexanone
Concen: 104.468 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion: 43 Resp: 567656
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.1

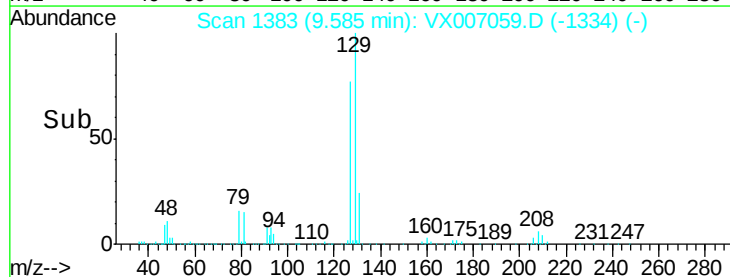
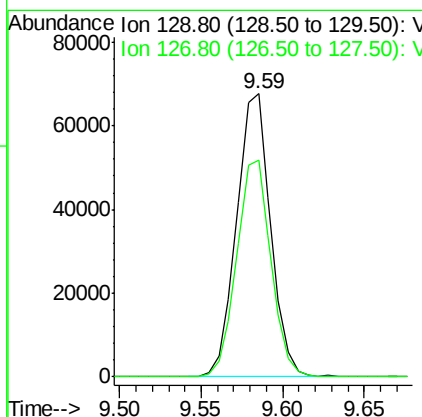
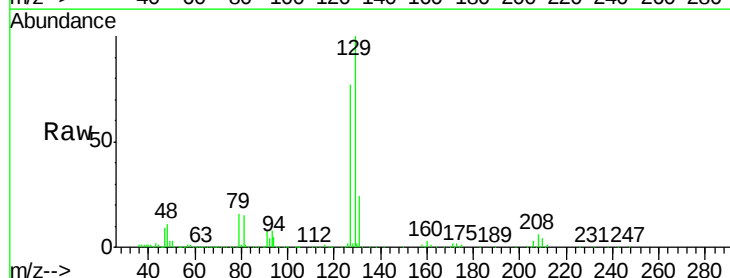
Manual Integrations
APPROVED

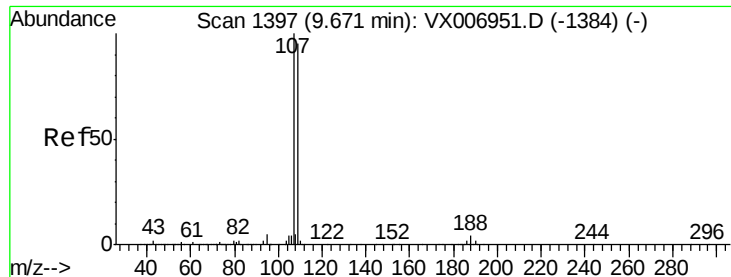
MMDadoda
1/16/2019 9:19:55 AM



#60
Dibromochloromethane
Concen: 19.673 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion: 129 Resp: 98388
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.870 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 107 Resp: 112660

Ion Ratio Lower Upper

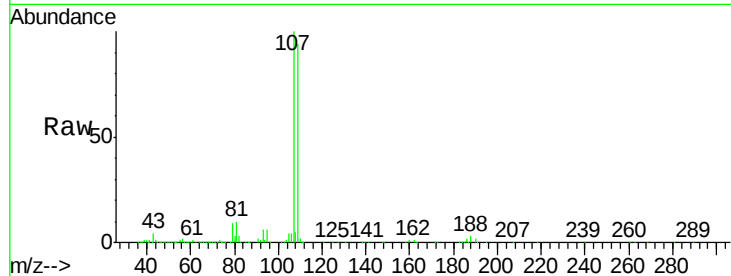
107 100

109 93.4 75.8 113.6

Manual Integrations
APPROVED

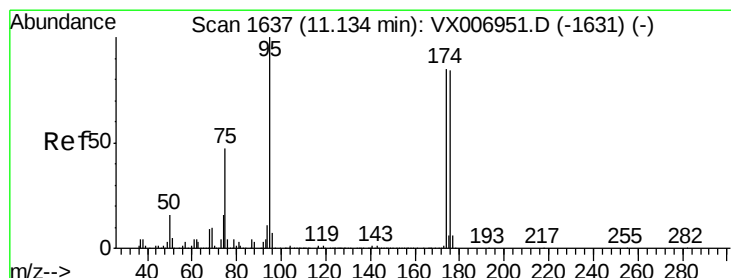
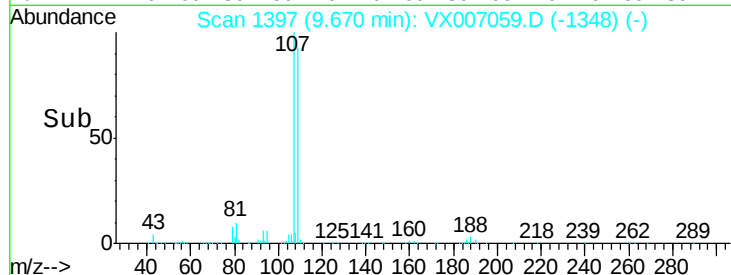
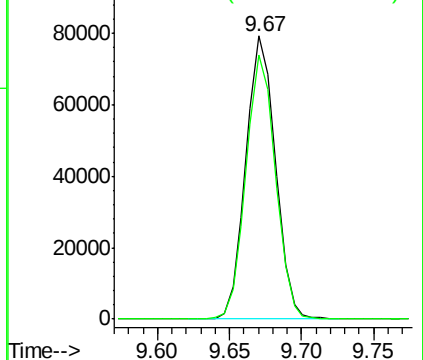
MMDadoda

1/16/2019 9:19:55 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.980 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

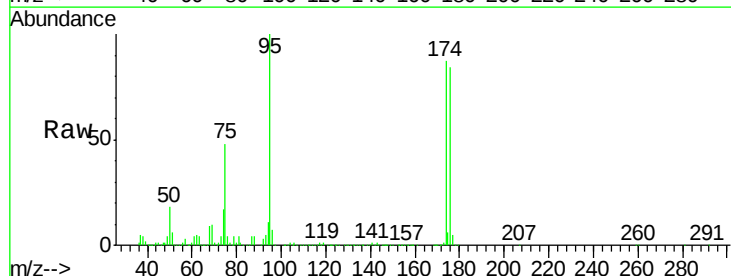
Tgt Ion: 95 Resp: 314387

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.2

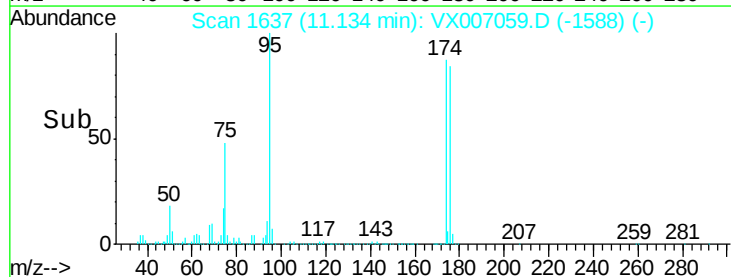
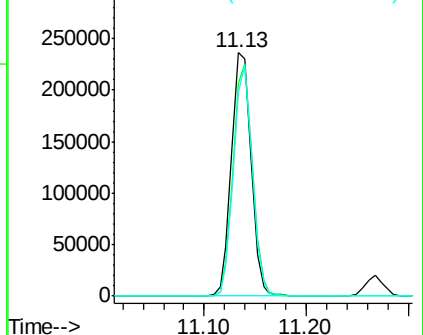
176 90.4 0.0 178.8

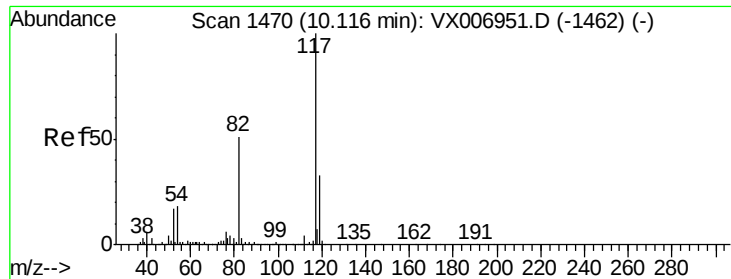


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





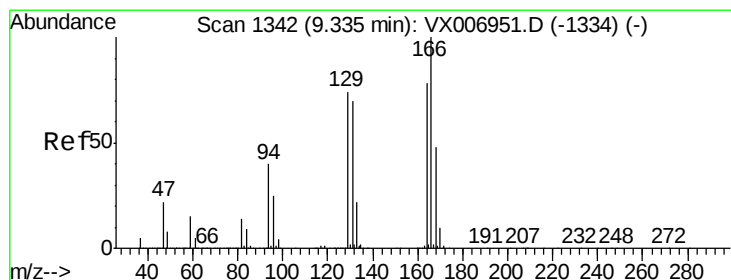
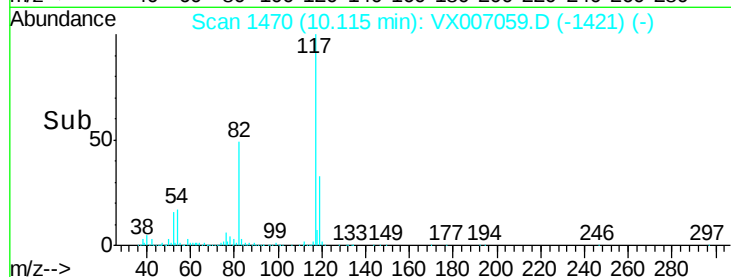
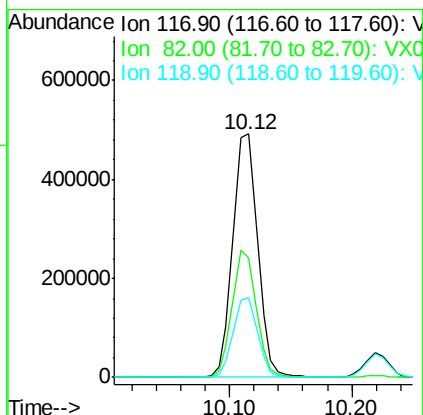
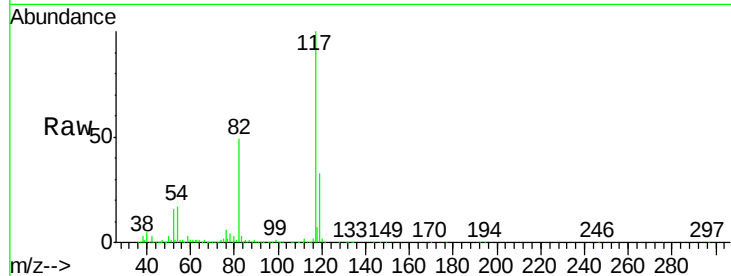
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	692654		
82	49.1		41.0	61.6
119	32.7		25.4	38.0

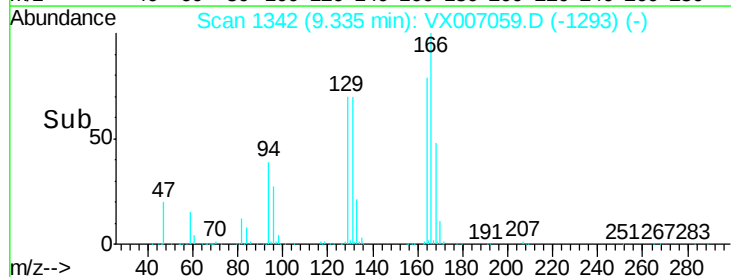
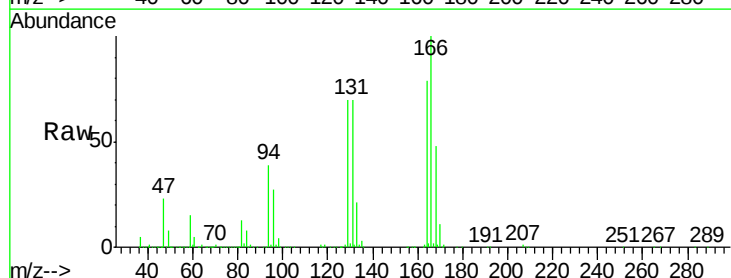
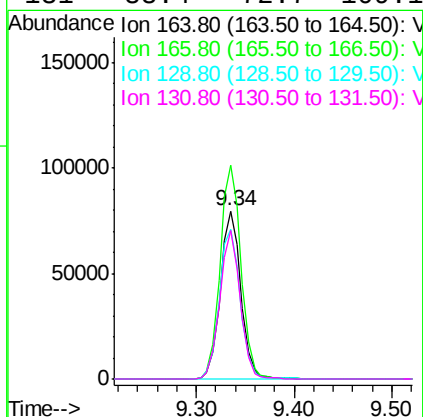
Manual Integrations
APPROVED

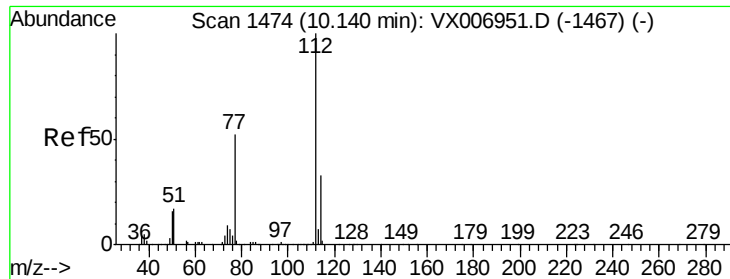
MMDadoda
1/16/2019 9:19:55 AM



#64
Tetrachloroethene
Concen: 19.279 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115612		
166	127.0		102.5	153.7
129	88.6		75.1	112.7
131	88.4		72.7	109.1





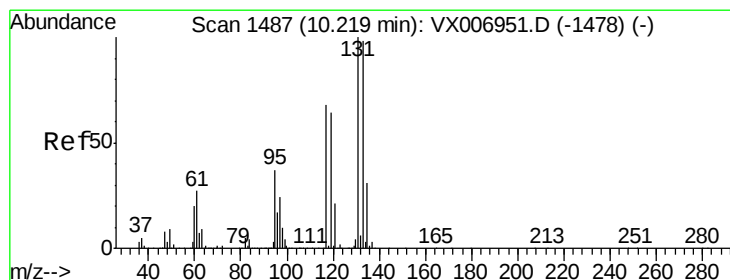
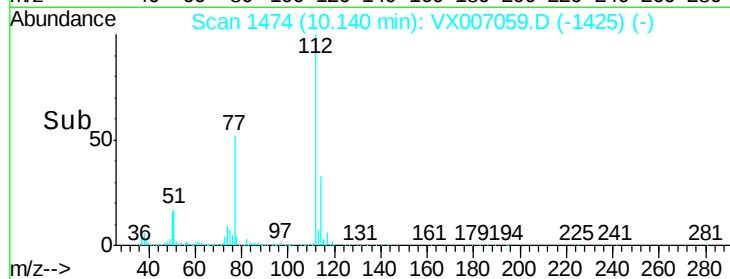
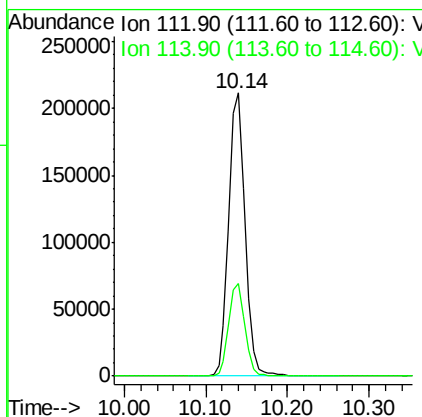
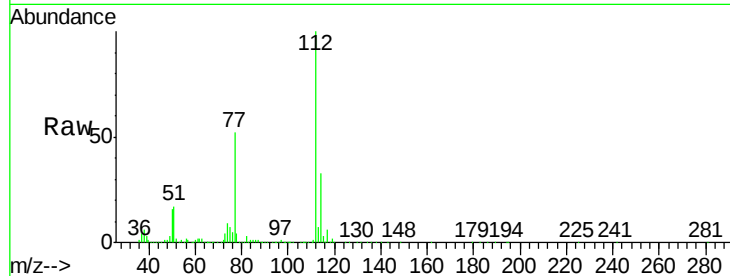
#65
Chlorobenzene
Concen: 19.356 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.7	38.5

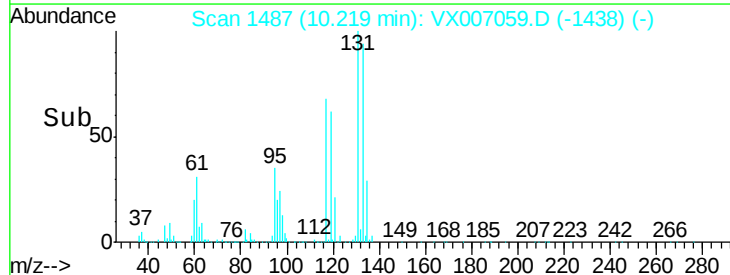
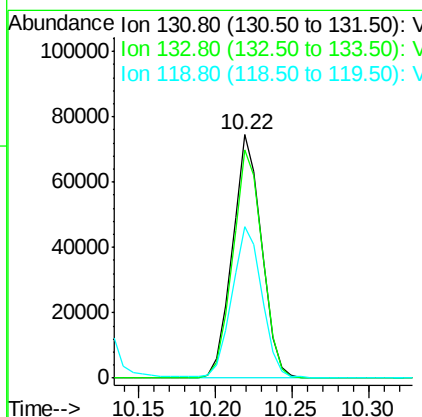
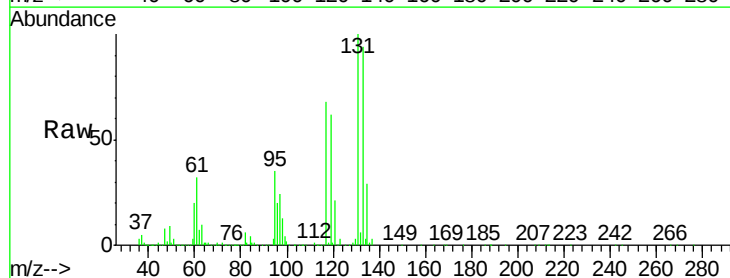
Manual Integrations
APPROVED

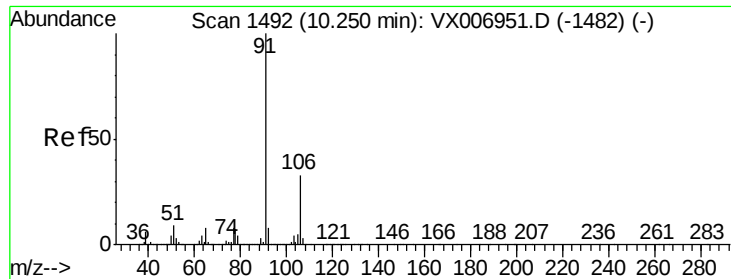
MMDadoda
1/16/2019 9:19:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.266 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.2
119	64.2	32.6	97.8





#67

Ethyl Benzene

Concen: 18.973 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 91 Resp: 473190

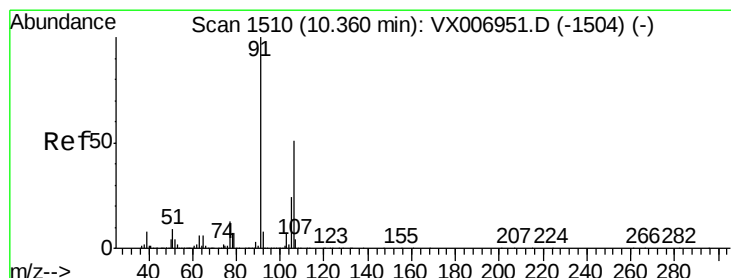
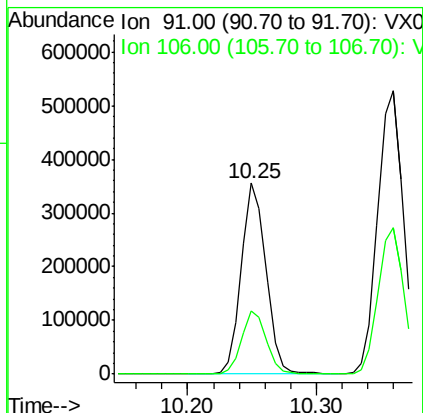
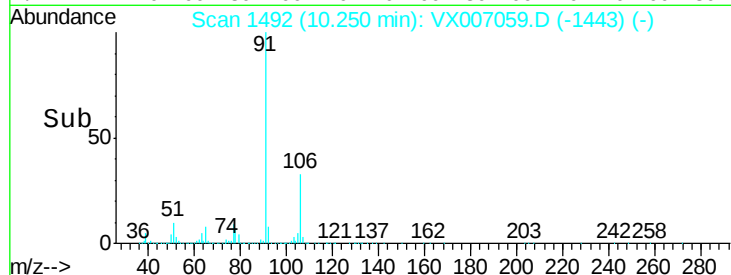
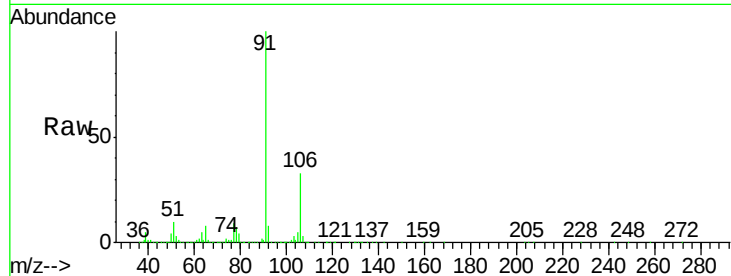
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#68

m/p-Xylenes

Concen: 38.485 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007059.D

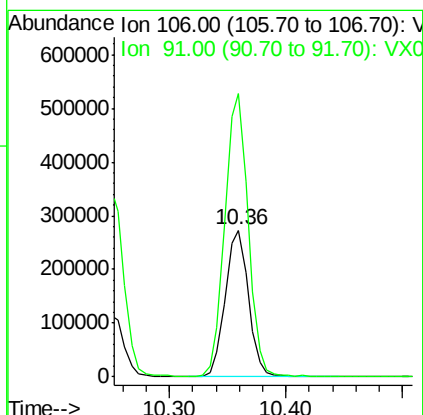
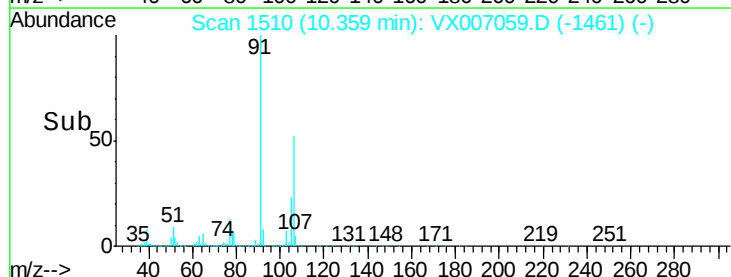
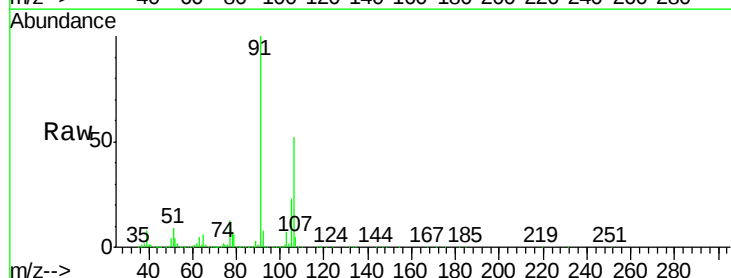
Acq: 15 Jan 2019 15:33

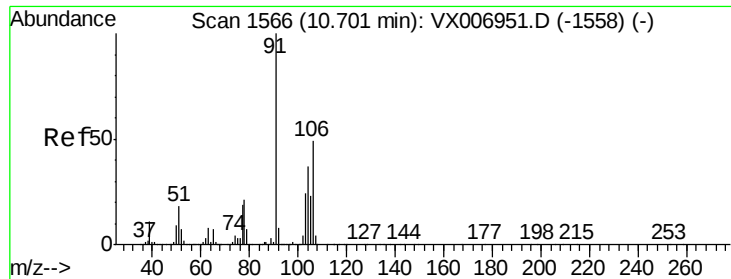
Tgt Ion: 106 Resp: 378154

Ion Ratio Lower Upper

106 100

91 194.5 155.8 233.6





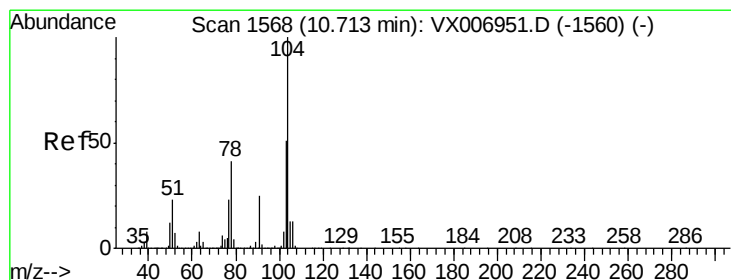
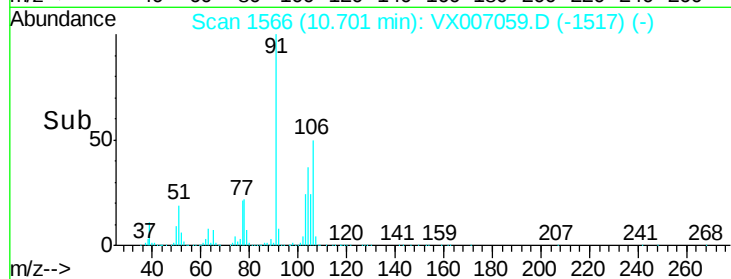
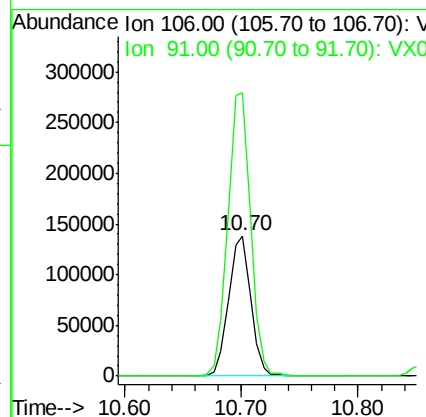
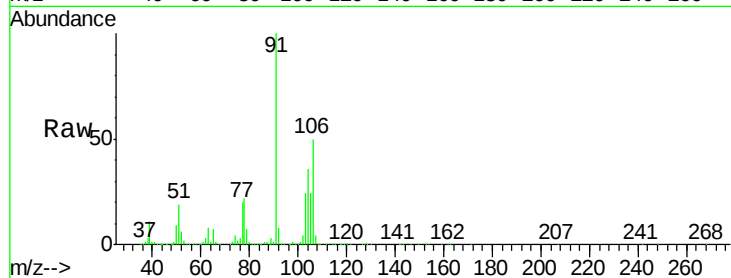
#69
o-Xylene
Concen: 19.055 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	182598		
91	91	208.1	101.3	303.7	

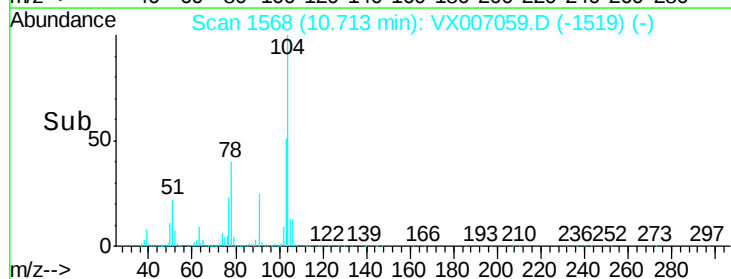
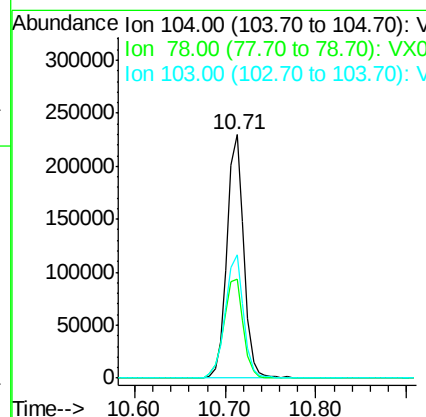
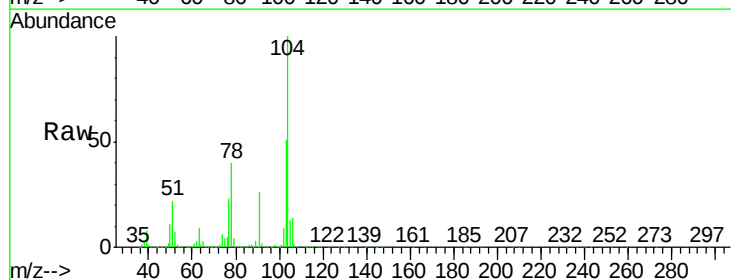
Manual Integrations
APPROVED

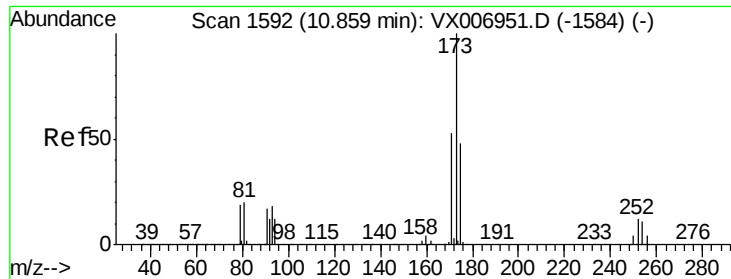
MMDadoda
1/16/2019 9:19:55 AM



#70
Styrene
Concen: 19.577 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	297130		
78	78	47.0	37.7	56.5	
103	103	55.3	43.8	65.8	





#71

Bromoform

Concen: 18.689 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion:173 Resp: 70109

Ion Ratio Lower Upper

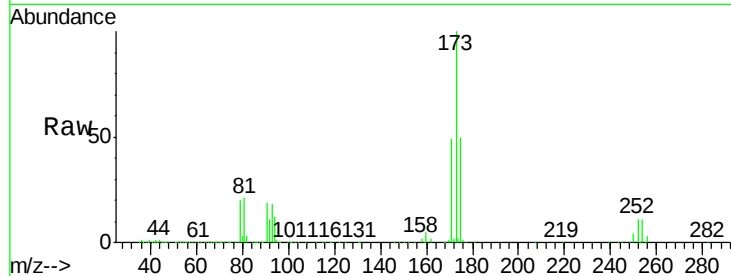
173 100

175 50.7 24.7 74.1

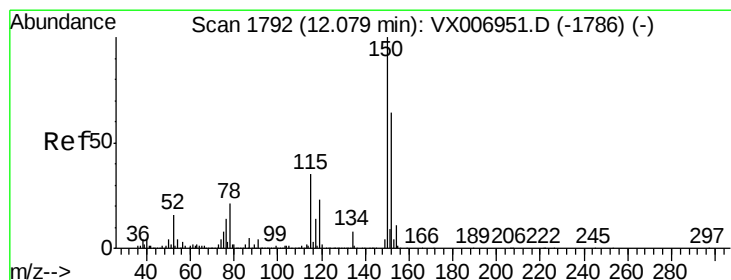
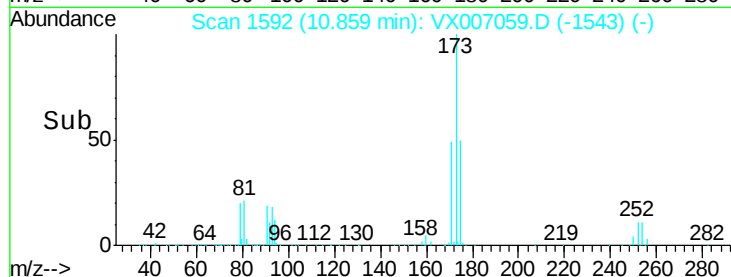
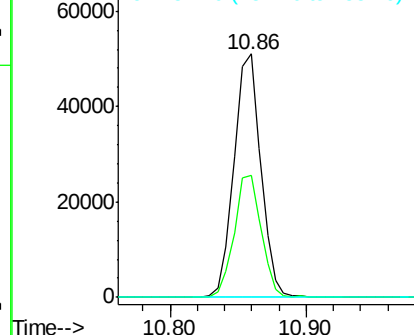
254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

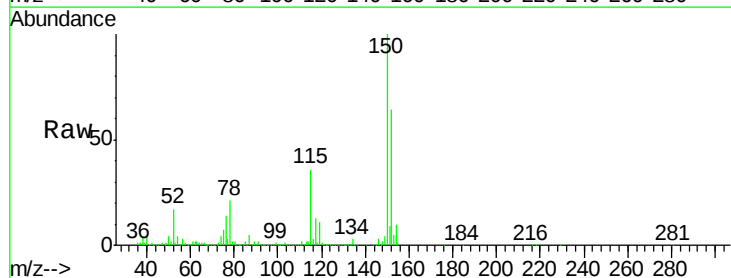
Tgt Ion:152 Resp: 352219

Ion Ratio Lower Upper

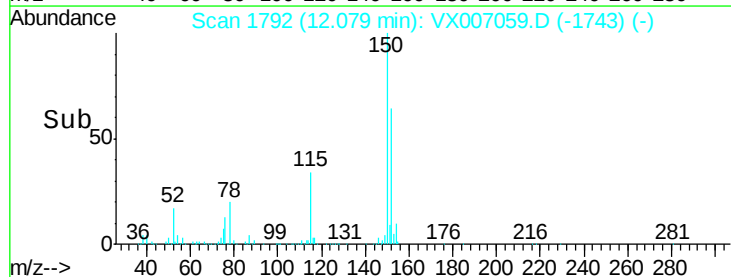
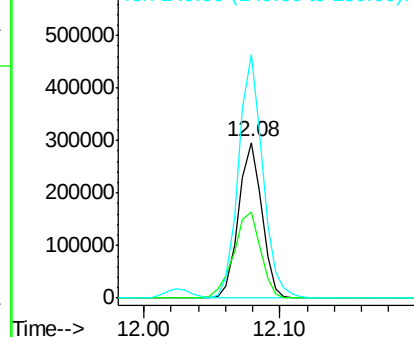
152 100

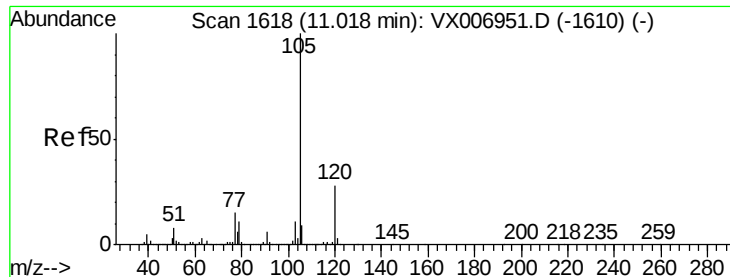
115 64.1 39.1 117.2

150 162.8 0.0 344.8



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: 19.639 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion:105 Resp: 487749

Ion Ratio Lower Upper

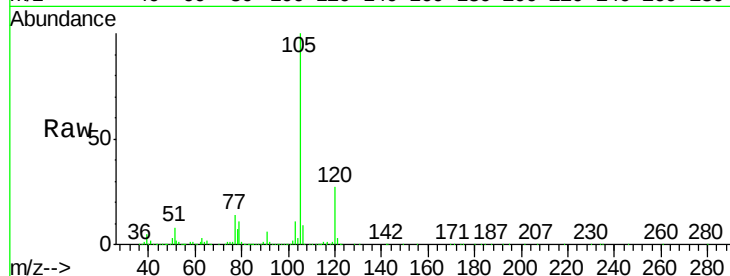
105 100

120 27.8 14.1 42.4

Manual Integrations
APPROVED

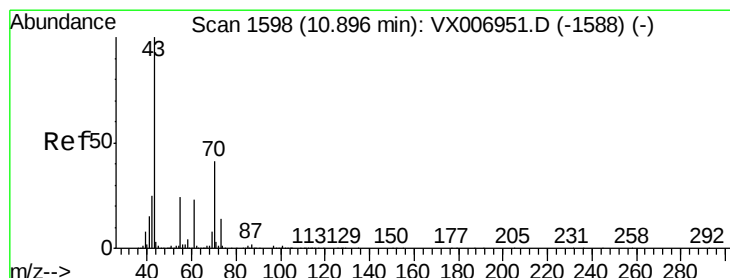
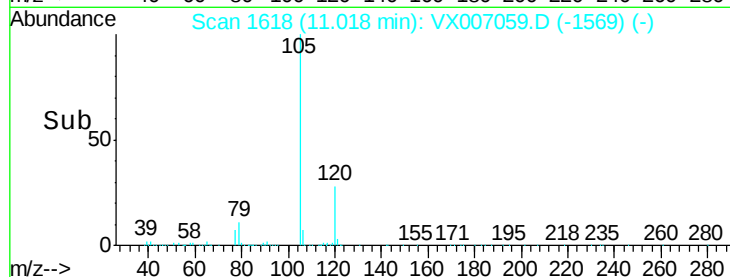
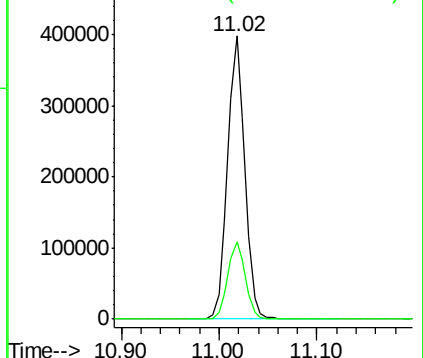
MMDadoda

1/16/2019 9:19:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.249 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion: 43 Resp: 192480

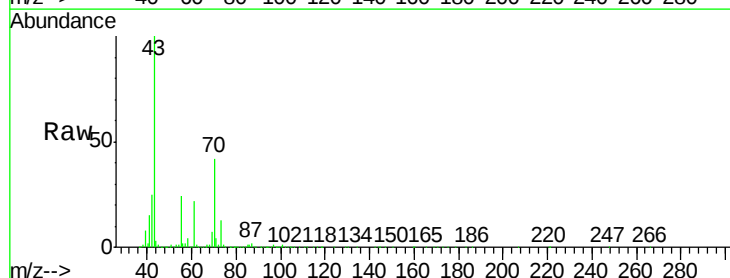
Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.8

55 24.9 19.4 29.0

61 23.9 20.1 30.1

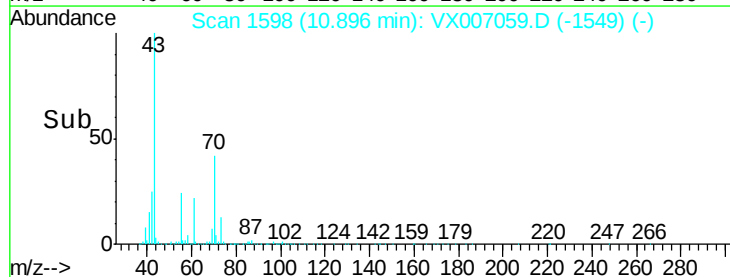
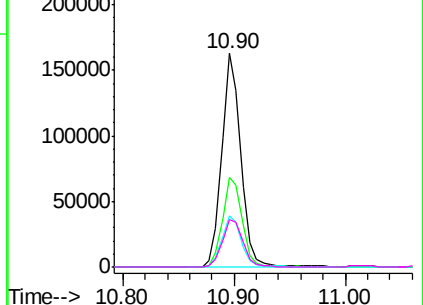


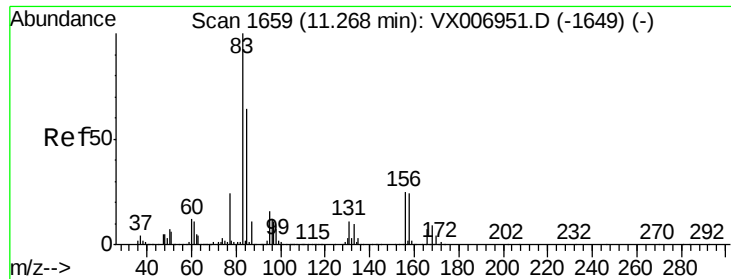
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.131 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion: 83 Resp: 158724

Ion Ratio Lower Upper

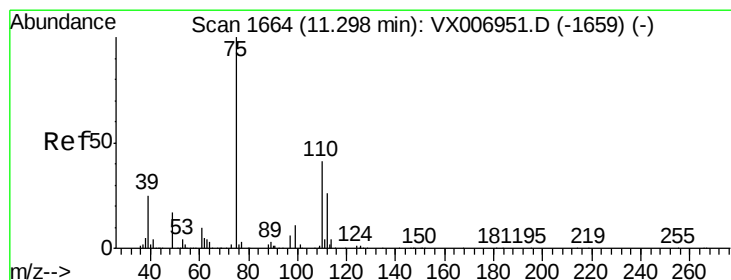
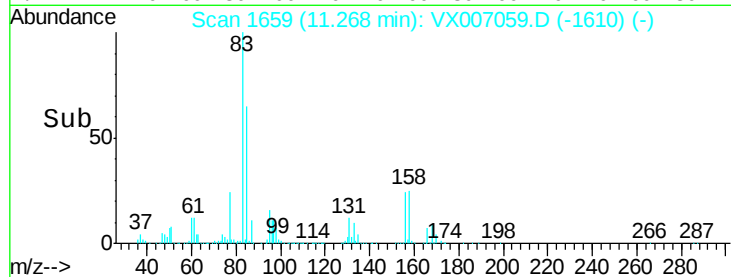
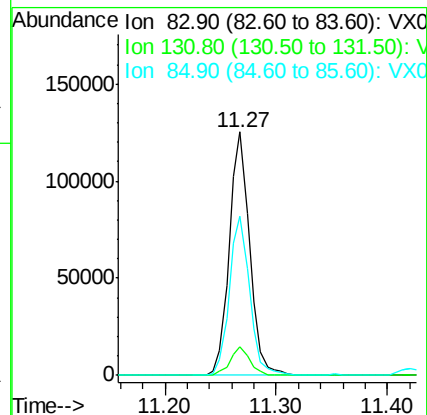
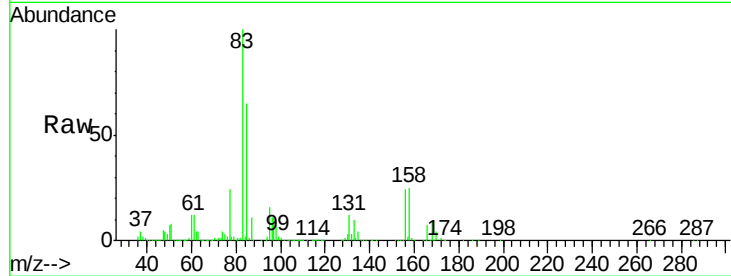
83 100

131 11.4 5.7 17.1

85 65.2 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#76

1,2,3-Trichloropropane

Concen: 20.473 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007059.D

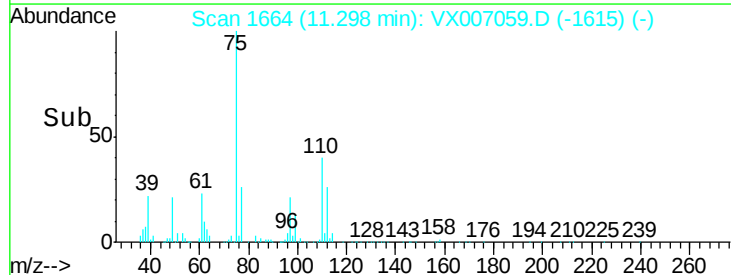
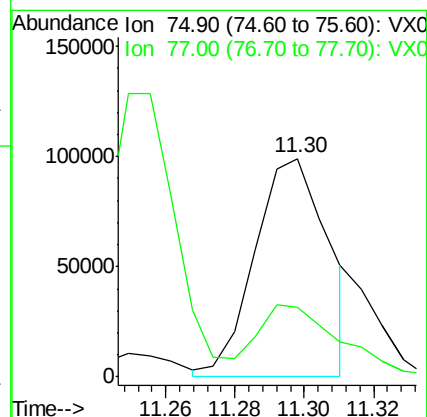
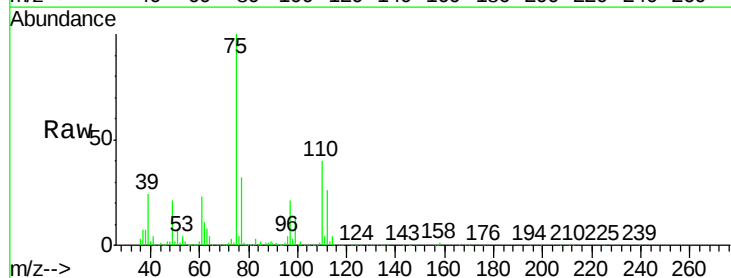
Acq: 15 Jan 2019 15:33

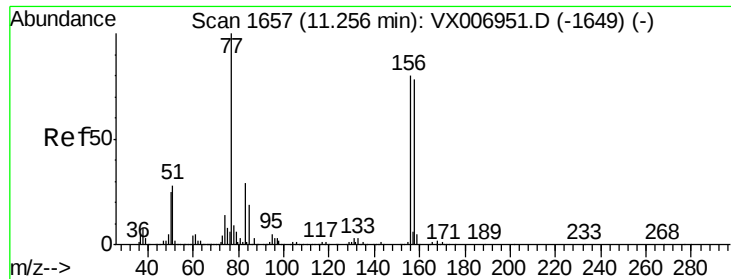
Tgt Ion: 75 Resp: 146130

Ion Ratio Lower Upper

75 100

77 36.8 18.5 55.5





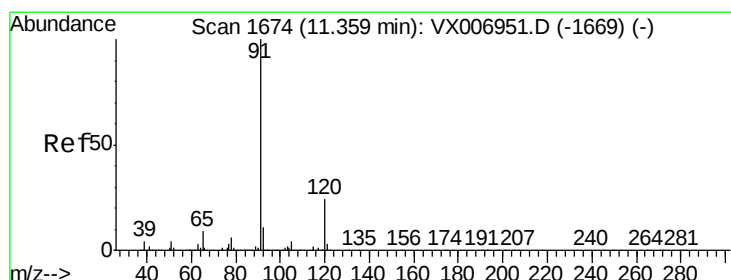
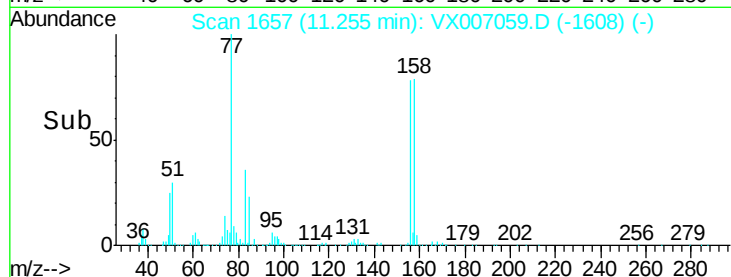
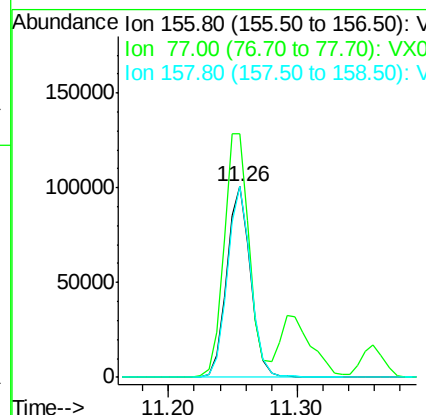
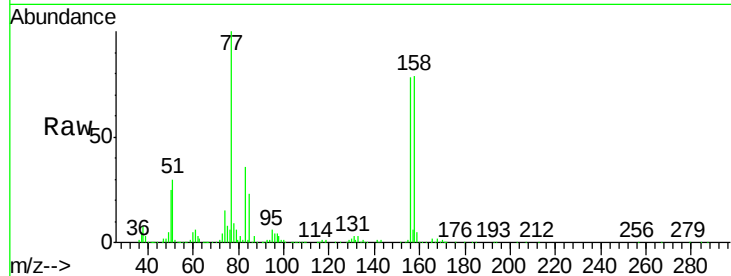
#77
Bromobenzene
Concen: 19.191 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.1	68.0	204.0
158	98.6	48.3	144.8

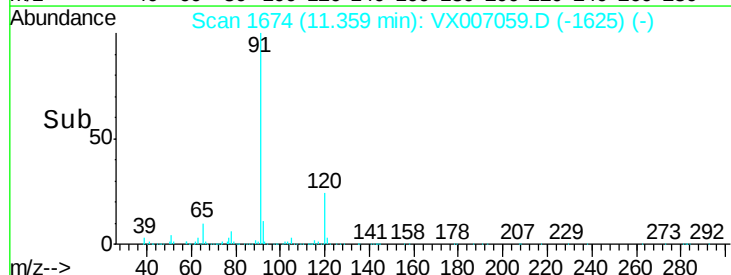
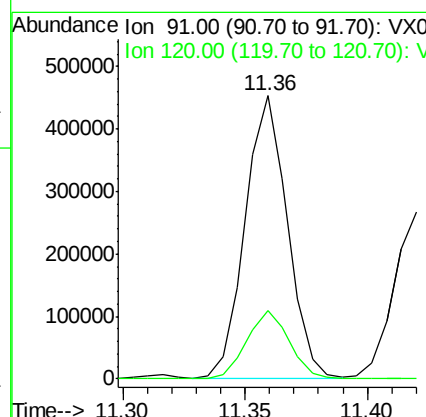
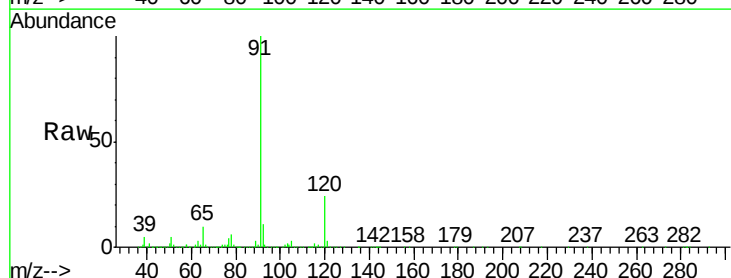
Manual Integrations
APPROVED

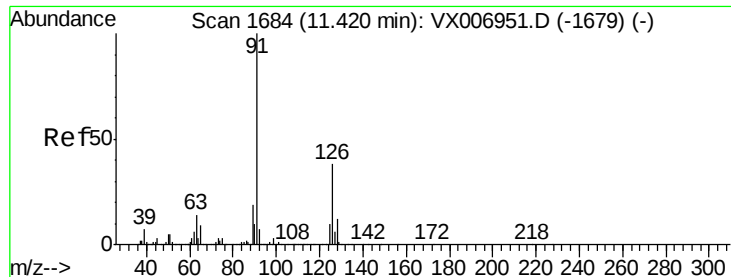
MMDadoda
1/16/2019 9:19:55 AM



#78
n-propylbenzene
Concen: 19.716 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





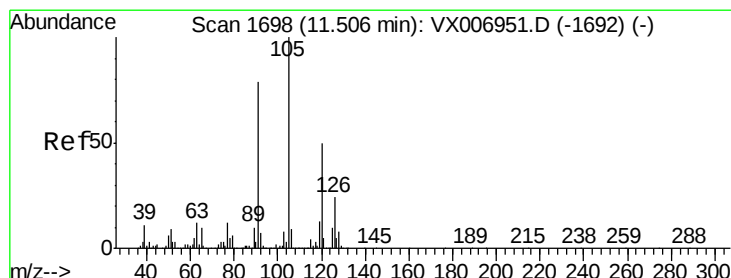
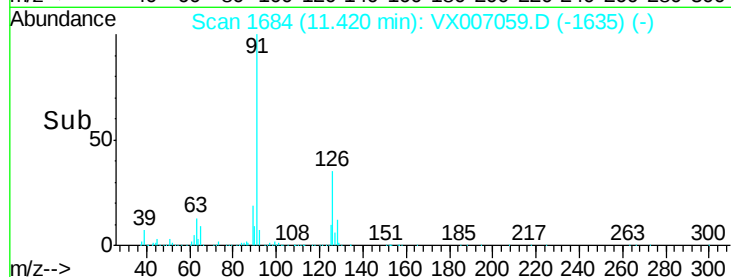
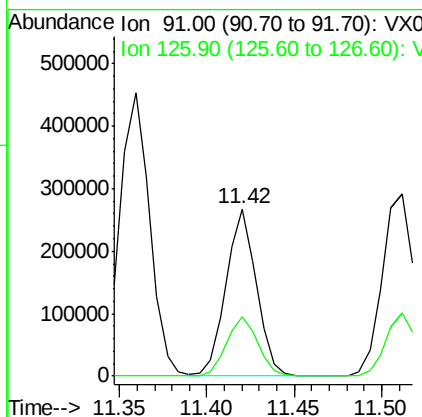
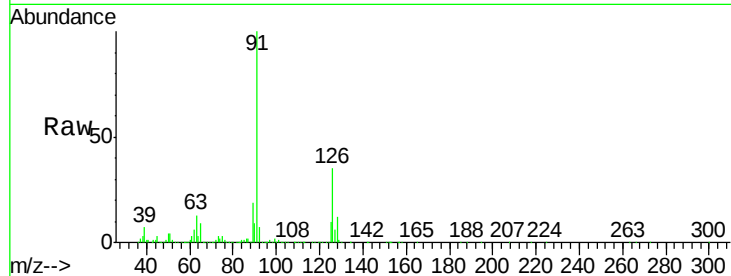
#79
 2-Chlorotoluene
 Concen: 19.581 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX0115WBS02

Tot Ion: 91 Resp: 321368
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.6 56.0

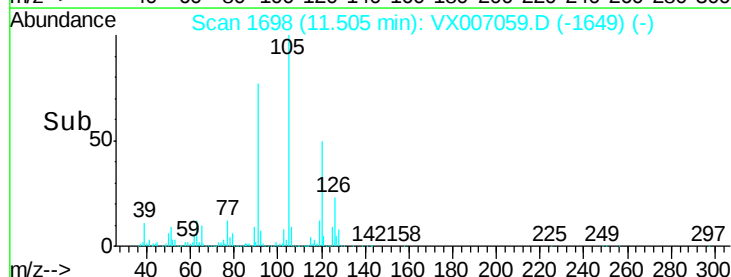
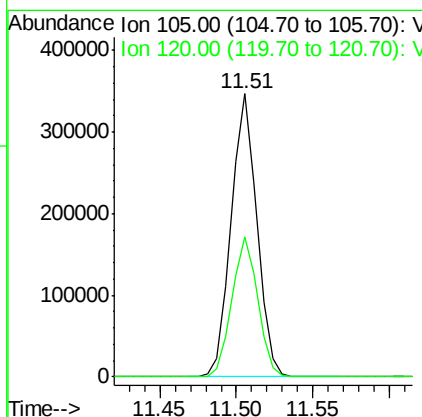
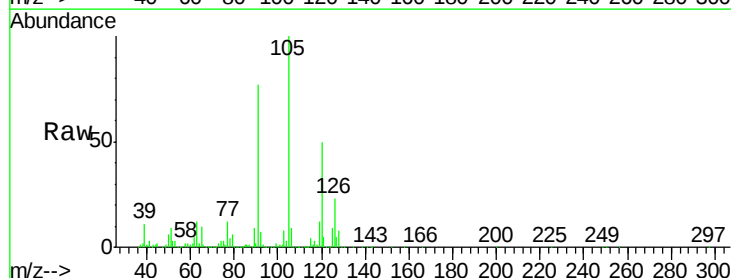
Manual Integrations
 APPROVED

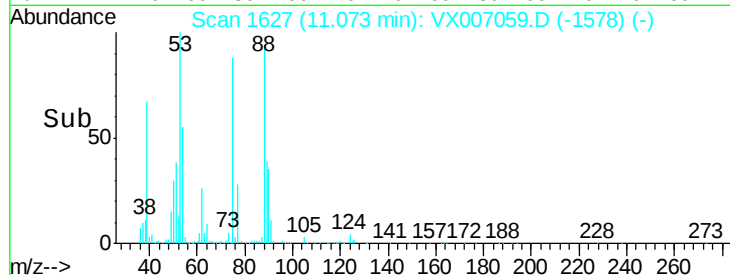
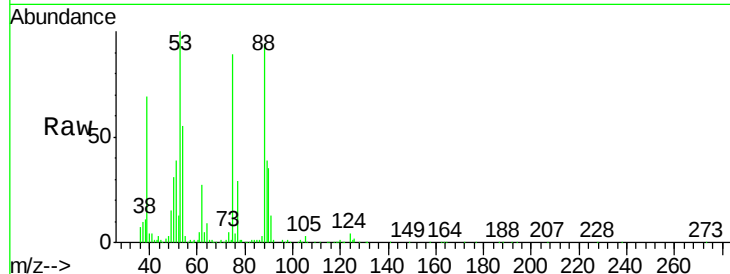
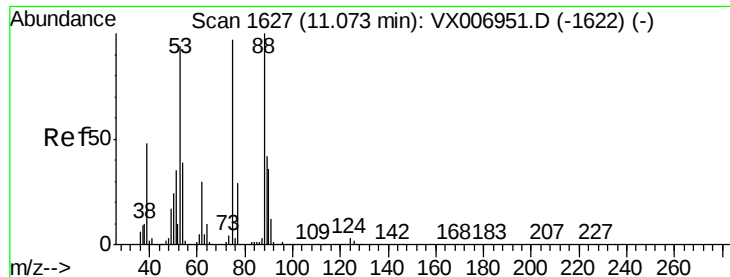
MMDadoda
 1/16/2019 9:19:55 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.584 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Tgt Ion: 105 Resp: 406416
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.1 75.3





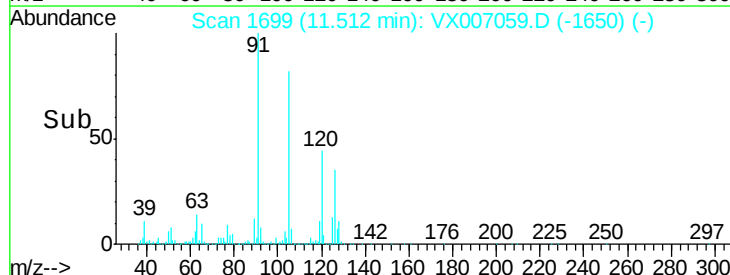
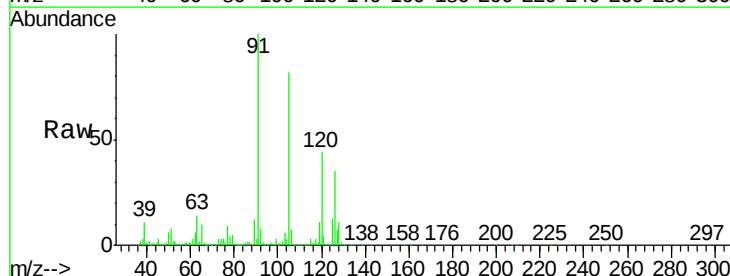
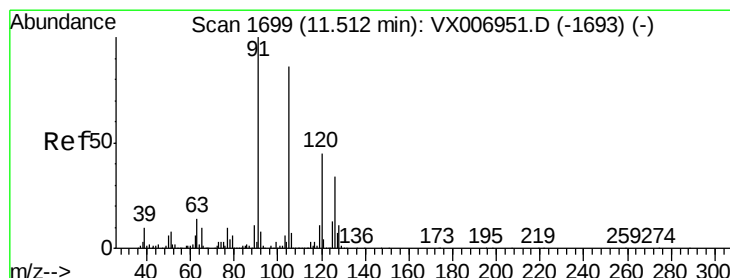
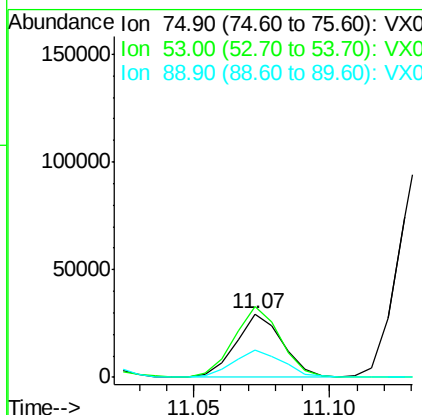
#81
trans-1,4-Dichloro-2-butene
Concen: 17.374 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	79.7	119.5
89	46.4	38.0	57.0

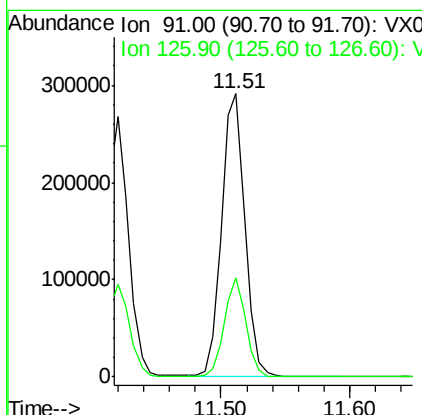
Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#82
4-Chlorotoluene
Concen: 19.559 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





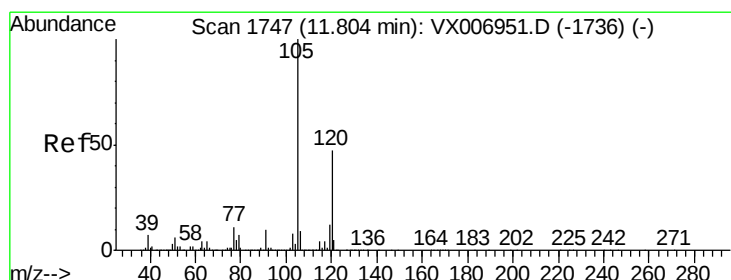
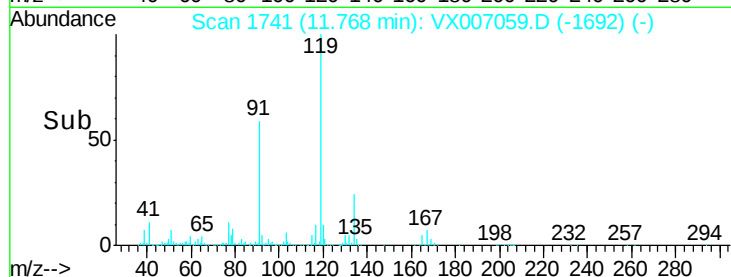
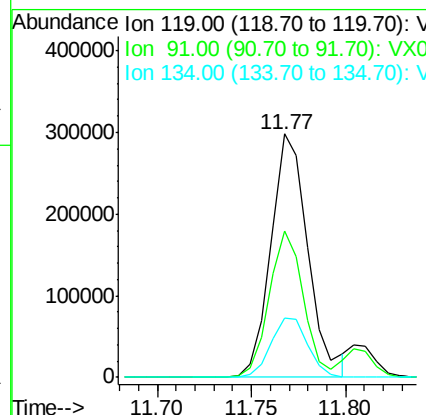
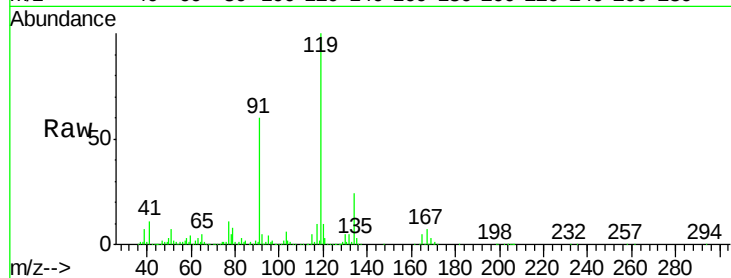
#83
 tert-Butylbenzene
 Concen: 19.591 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.7	83.1
134	24.6	11.9	35.5

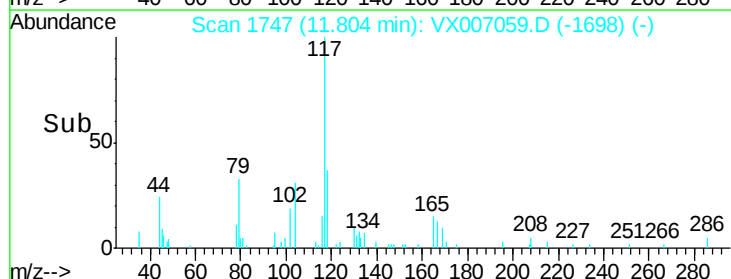
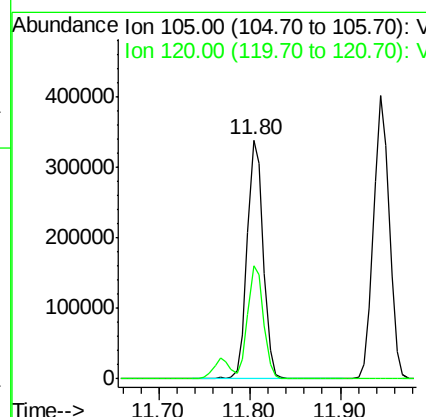
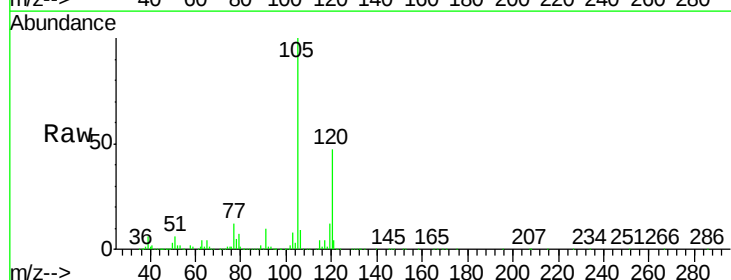
Manual Integrations
 APPROVED

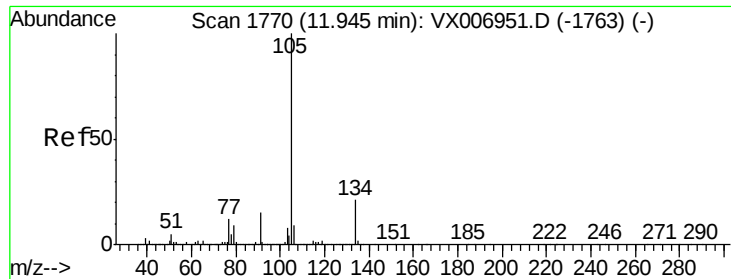
MMDadoda
 1/16/2019 9:19:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.895 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.679 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

VX0115WBS02

Tot Ion:105 Resp: 486620

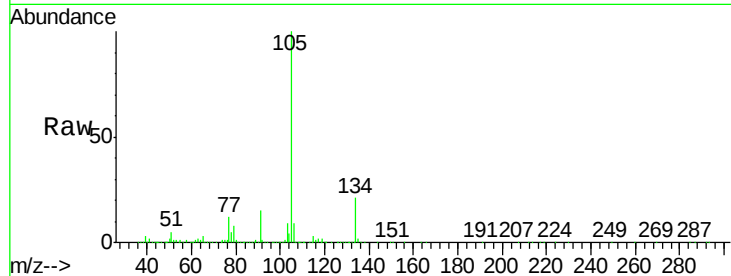
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

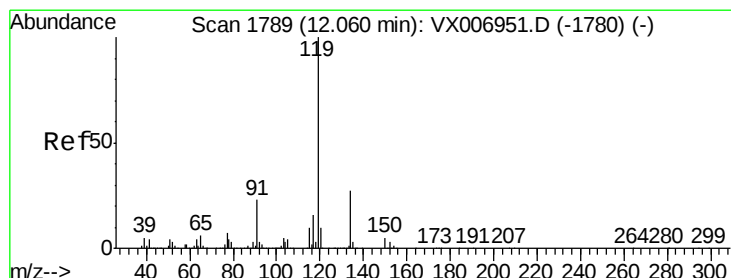
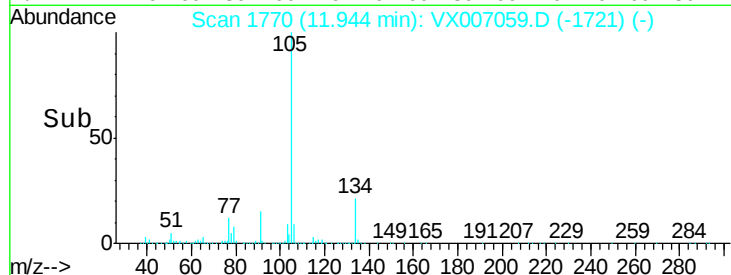
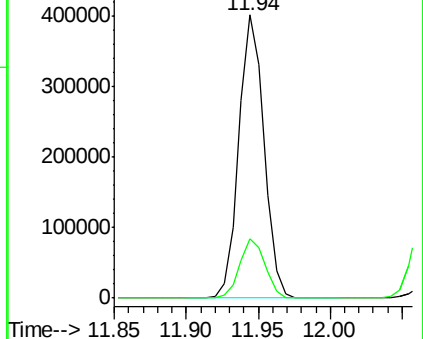
Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.790 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

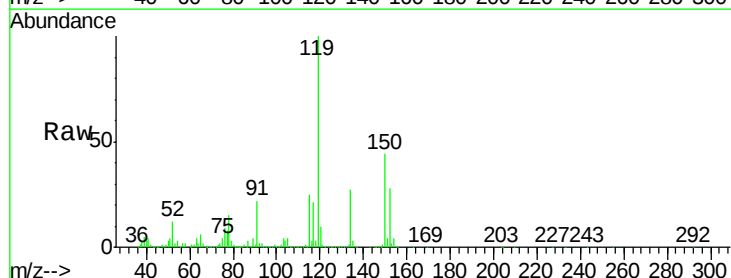
Tgt Ion:119 Resp: 437734

Ion Ratio Lower Upper

119 100

134 26.9 14.0 41.9

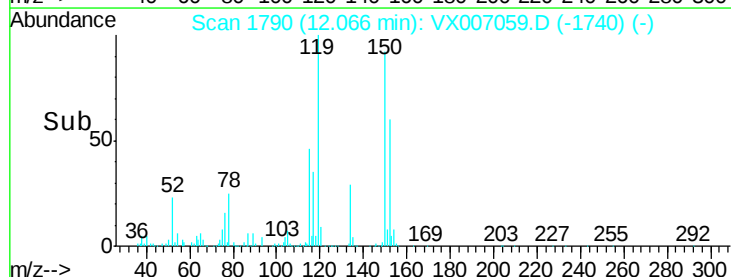
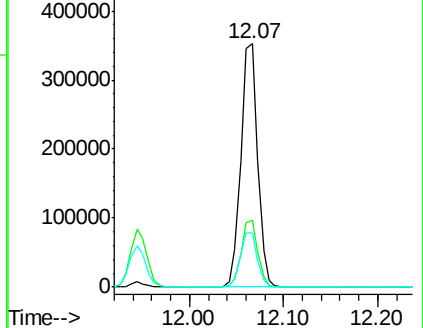
91 22.5 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





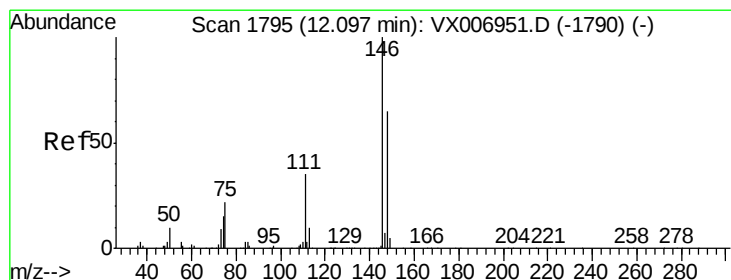
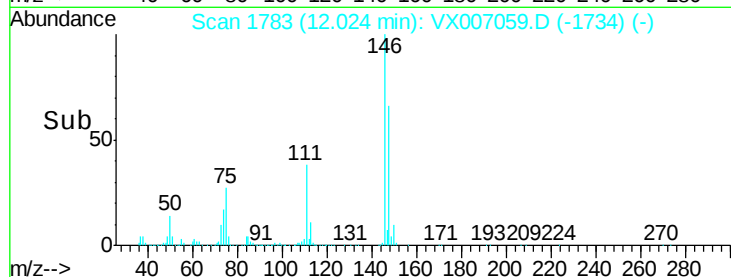
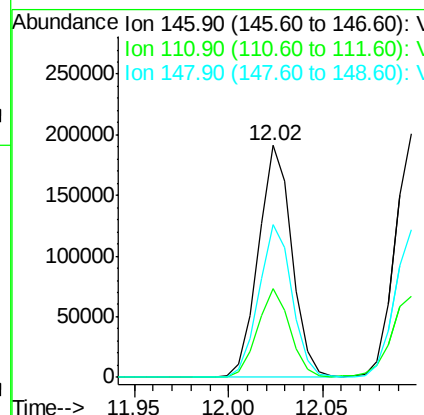
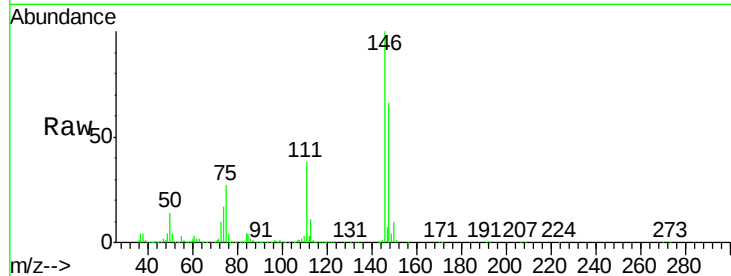
#87
 1,3-Dichlorobenzene
 Concen: 19.007 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	65.1	31.8	95.3

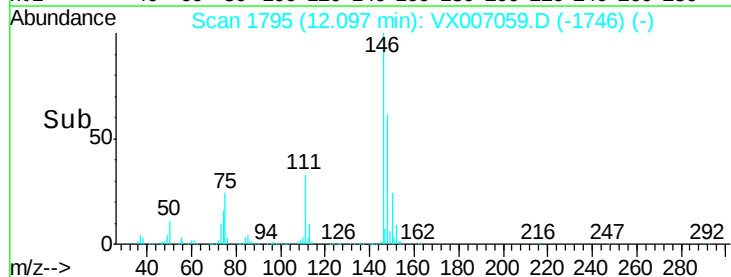
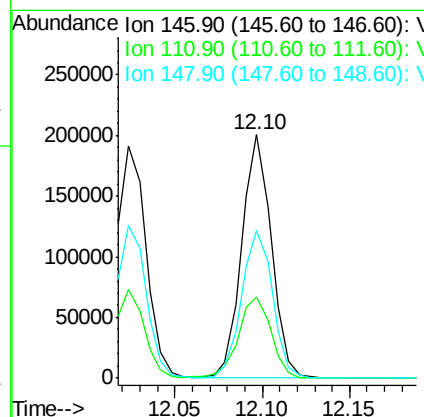
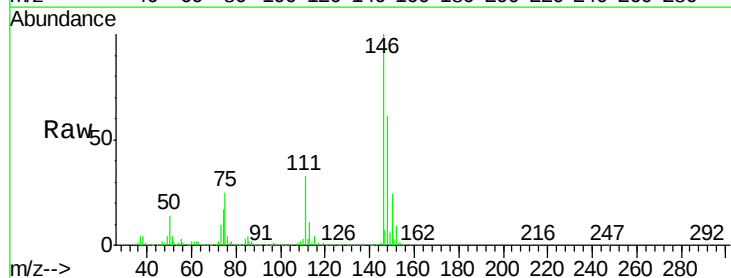
Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:19:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.182 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	63.8	31.9	95.9





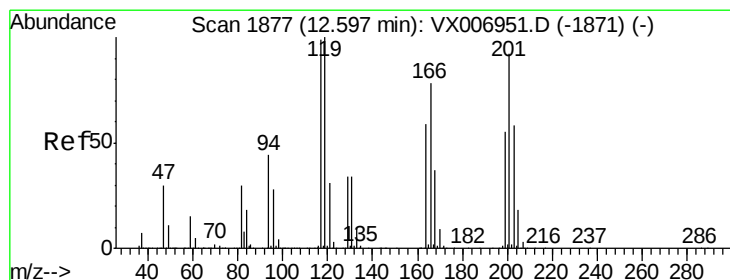
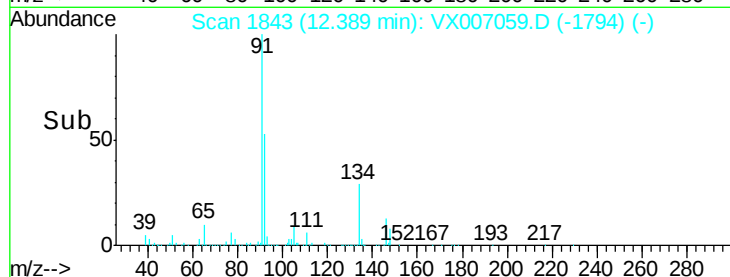
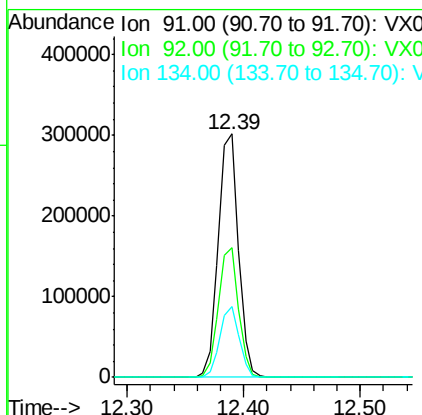
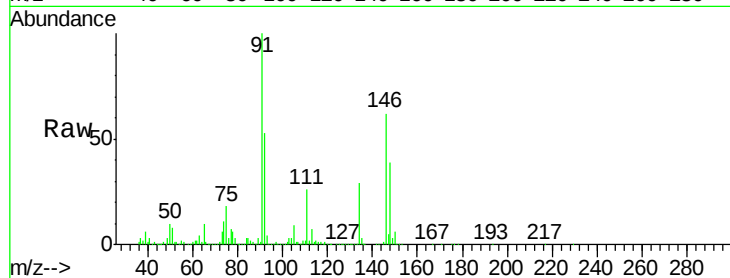
#89
n-Butylbenzene
Concen: 19.075 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	27.9	14.4	43.2

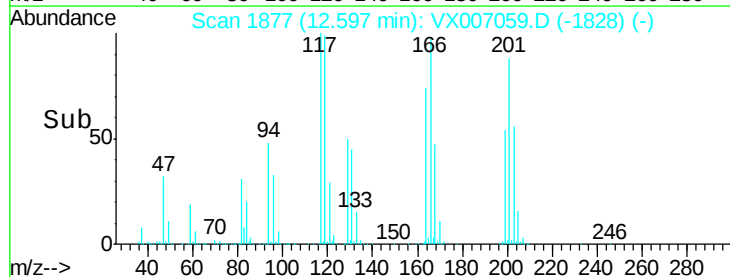
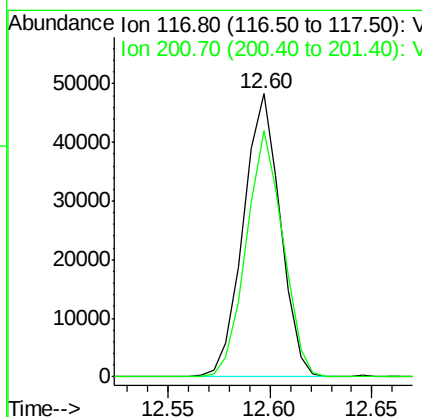
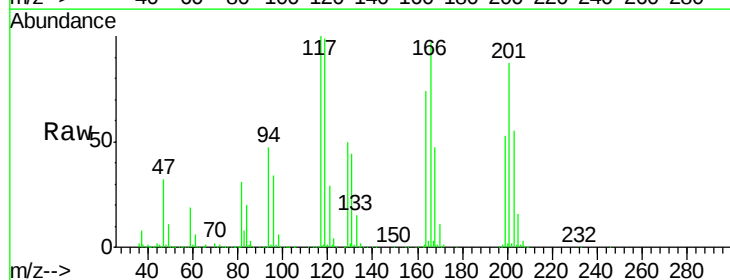
Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#90
Hexachloroethane
Concen: 19.124 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	42.9	128.7





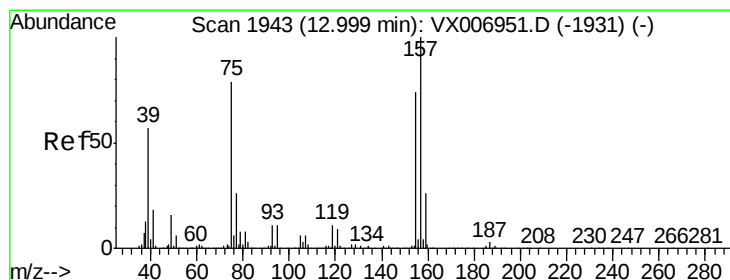
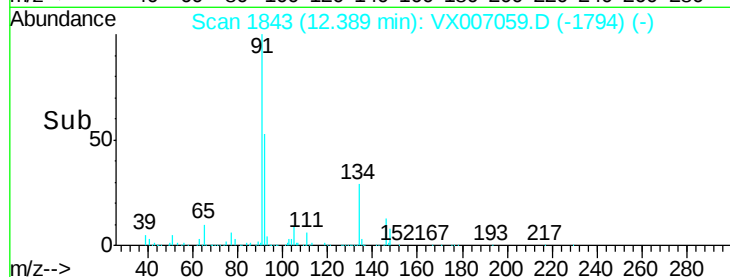
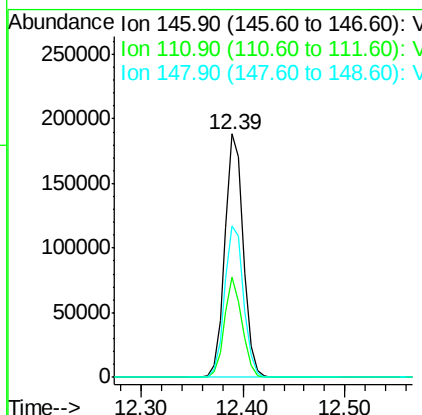
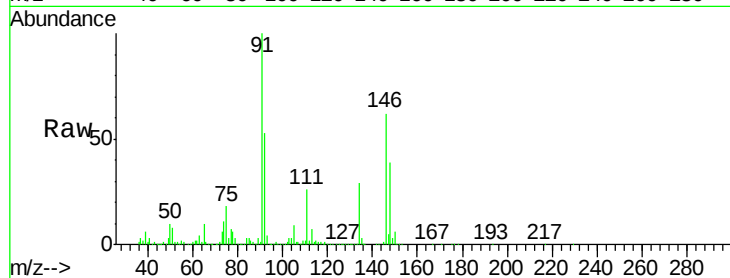
#91
 1,2-Dichlorobenzene
 Concen: 19.278 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0115WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.2
148	64.0	32.3	96.9

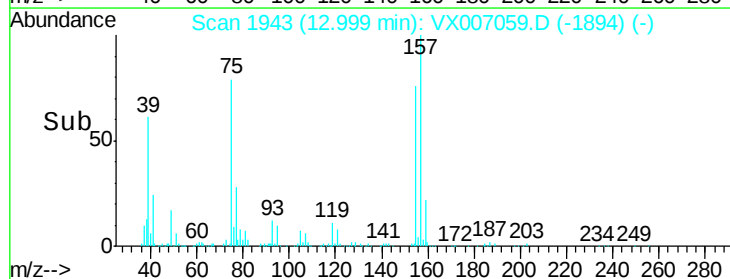
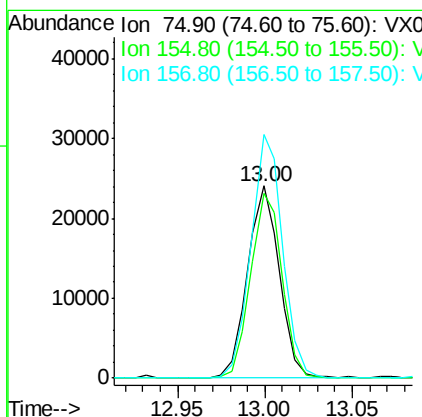
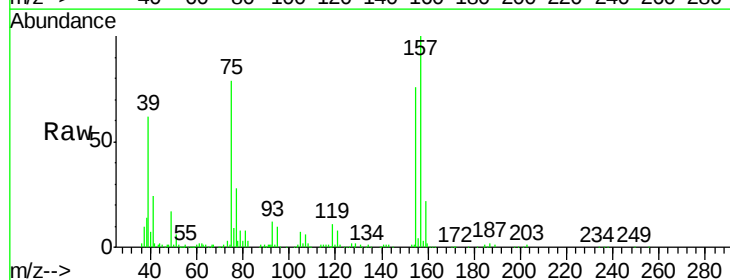
Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:19:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.623 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007059.D
 Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	50.6	151.8
157	126.2	64.6	193.8





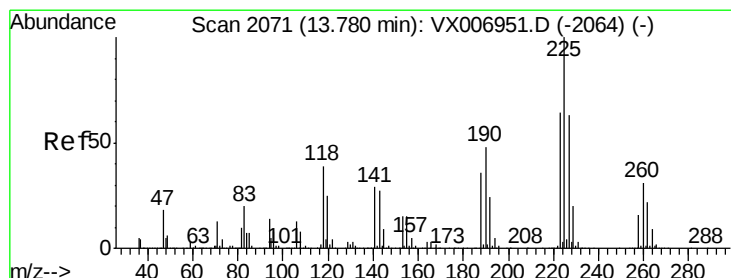
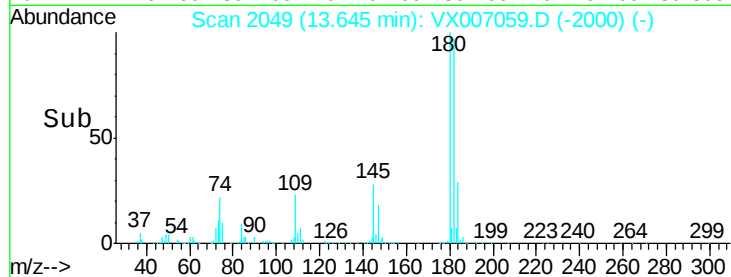
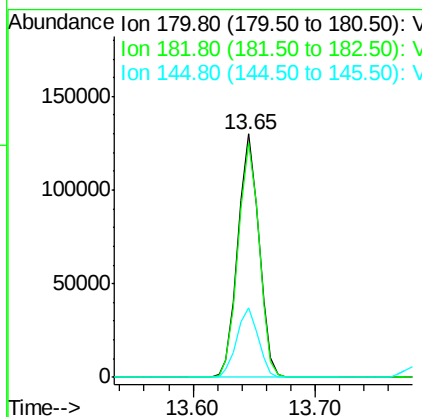
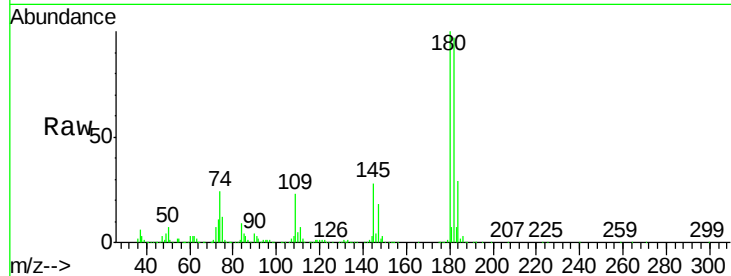
#93
1,2,4-Trichlorobenzene
Concen: 18.386 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
VX0115WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153979		
182	96.6	47.3	142.0	
145	29.3	14.8	44.3	

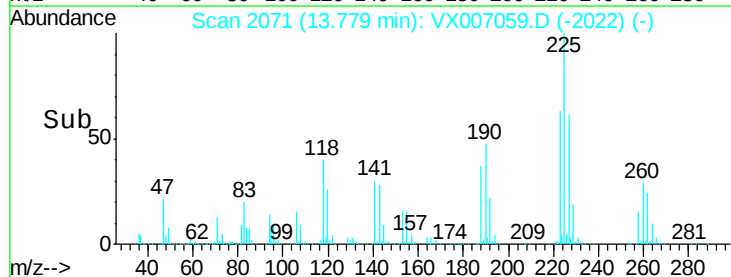
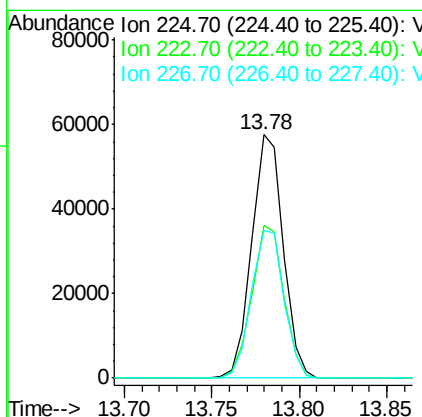
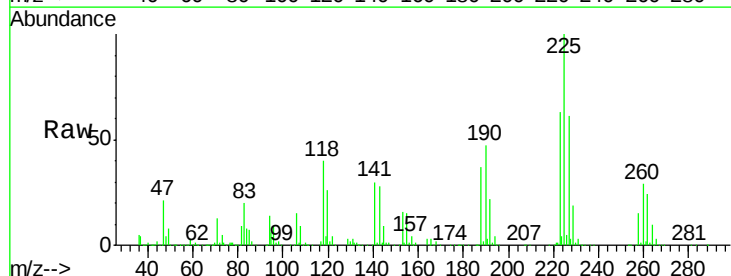
Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#94
Hexachlorobutadiene
Concen: 19.396 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007059.D
Acq: 15 Jan 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72082		
223	64.1	32.1	96.3	
227	63.0	32.3	96.8	





#95

Naphthalene

Concen: 19.696 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Instrument :

MSVOA_X

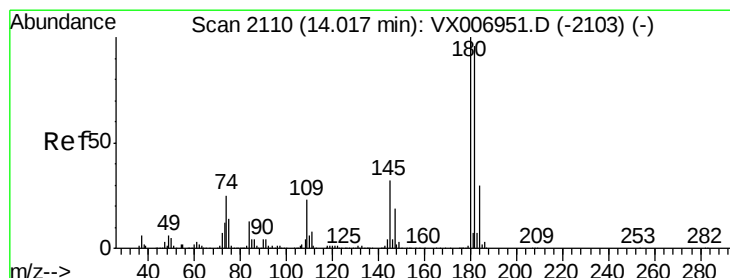
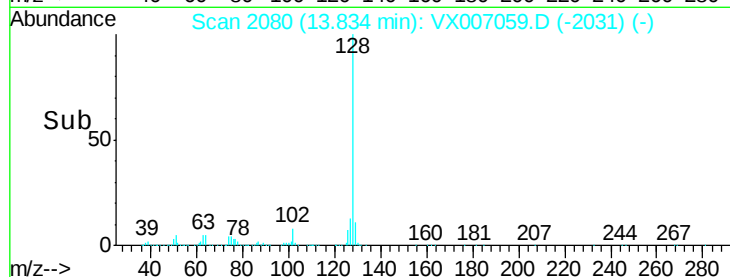
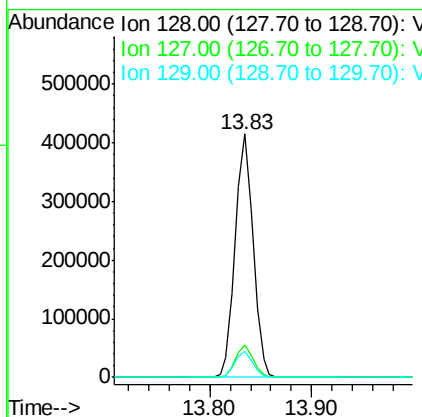
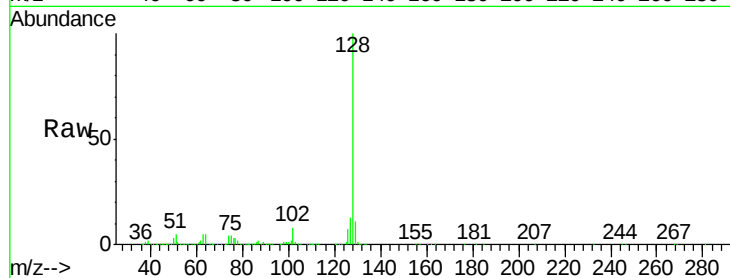
ClientSampleId :

VX0115WBS02

Tot Ion:	128	Resp:	499824
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:19:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.792 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007059.D

Acq: 15 Jan 2019 15:33

Tgt Ion:	180	Resp:	156335
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.5	145.5
145	31.0	16.0	47.9

