

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010919\
 Data File : VX006960.D
 Acq On : 09 Jan 2019 12:18
 Operator : JC/MD
 Sample : VX0109WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 10:54:15 AM

Quant Time: Jan 10 01:19:08 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	599550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	792734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	399066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	295533	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	5.50	113	264972	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	8.71	98	992356	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.13	95	346518	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	104203	21.164	ug/l	100
3) Chloromethane	1.33	50	109476	19.100	ug/l	99
4) Vinyl Chloride	1.41	62	121878	19.768	ug/l	99
5) Bromomethane	1.64	94	122470	18.592	ug/l	97
6) Chloroethane	1.72	64	78339	18.197	ug/l	97
7) Trichlorofluoromethane	1.93	101	191707	19.244	ug/l	97
8) Diethyl Ether	2.19	74	74684	18.844	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	115275	19.328	ug/l	97
10) Methyl Iodide	2.51	142	165346	20.552	ug/l	99
11) Tert butyl alcohol	3.07	59	150298	101.686	ug/l	99
12) 1,1-Dichloroethene	2.37	96	106112	19.257	ug/l	95
13) Acrolein	2.29	56	56302	90.316	ug/l	100
14) Allyl chloride	2.73	41	180296	19.092	ug/l	98
15) Acrylonitrile	3.15	53	331701	97.758	ug/l	100
16) Acetone	2.45	43	298398	96.332	ug/l	97
17) Carbon Disulfide	2.57	76	259593	18.298	ug/l	100
18) Methyl Acetate	2.78	43	169279	18.871	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	367103	19.194	ug/l	99
20) Methylene Chloride	2.86	84	117333	19.571	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	112664	18.347	ug/l	99
22) Diisopropyl ether	3.87	45	340396	19.173	ug/l	94
23) Vinyl Acetate	3.82	43	1439144	96.121	ug/l	100
24) 1,1-Dichloroethane	3.70	63	188468	18.985	ug/l	99
25) 2-Butanone	4.70	43	441678	99.651	ug/l	97
26) 2,2-Dichloropropane	4.59	77	144324	18.906	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	127395	18.808	ug/l	99
28) Bromochloromethane	5.02	49	82601	18.991	ug/l	97
29) Tetrahydrofuran	5.15	42	284138	98.645	ug/l	97
30) Chloroform	5.21	83	195808	18.839	ug/l	97
31) Cyclohexane	5.57	56	164559	18.624	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	167255	18.985	ug/l	99
36) 1,1-Dichloropropene	5.80	75	145164	18.620	ug/l	99
37) Ethyl Acetate	4.85	43	163553	19.568	ug/l	98
38) Carbon Tetrachloride	5.78	117	142901	18.219	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010919\
 Data File : VX006960.D
 Acq On : 09 Jan 2019 12:18
 Operator : JC/MD
 Sample : VX0109WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 10:54:15 AM

Quant Time: Jan 10 01:19:08 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	181640	18.276	ug/l	97
40) Benzene	6.14	78	448789	18.866	ug/l	99
41) Methacrylonitrile	5.06	41	87676	18.209	ug/l	99
42) 1,2-Dichloroethane	6.20	62	152878	18.598	ug/l	99
43) Isopropyl Acetate	6.46	43	253526	19.230	ug/l	100
44) Trichloroethene	7.21	130	131184	18.403	ug/l	92
45) 1,2-Dichloropropane	7.51	63	111295	18.610	ug/l	98
46) Dibromomethane	7.66	93	80477	19.147	ug/l	98
47) Bromodichloromethane	7.90	83	131742	18.415	ug/l	98
48) Methyl methacrylate	7.77	41	127426	18.821	ug/l	97
49) 1,4-Dioxane	7.75	88	61235	390.827	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	820380	96.828	ug/l	99
52) Toluene	8.78	92	282159	18.455	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	147792	18.630	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	164091	18.730	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	119585	19.541	ug/l	97
56) Ethyl methacrylate	9.18	69	169424	18.964	ug/l	95
57) 1,3-Dichloropropane	9.37	76	190404	18.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	445490	96.983	ug/l	99
59) 2-Hexanone	9.49	43	626338	97.008	ug/l	100
60) Dibromochloromethane	9.58	129	112646	18.956	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128100	19.014	ug/l	100
64) Tetrachloroethene	9.34	164	130314	18.987	ug/l	96
65) Chlorobenzene	10.14	112	327177	18.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	115569	19.870	ug/l	99
67) Ethyl Benzene	10.25	91	534158	18.714	ug/l	99
68) m/p-Xylenes	10.36	106	418208	37.188	ug/l	97
69) o-Xylene	10.69	106	205861	18.770	ug/l	97
70) Styrene	10.71	104	326469	18.795	ug/l	98
71) Bromoform	10.86	173	82100	19.013	ug/l #	100
73) Isopropylbenzene	11.02	105	546424	19.418	ug/l	99
74) N-amyl acetate	10.90	43	215875	19.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	172390	19.297	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	161763m	20.003	ug/l	
77) Bromobenzene	11.26	156	150520	19.413	ug/l	98
78) n-propylbenzene	11.36	91	599284	19.400	ug/l	100
79) 2-Chlorotoluene	11.42	91	354801	19.080	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	449360	19.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	42700	18.512	ug/l	95
82) 4-Chlorotoluene	11.51	91	411161	19.097	ug/l	100
83) tert-Butylbenzene	11.77	119	450420	19.200	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	460850	19.491	ug/l	100
85) sec-Butylbenzene	11.94	105	535784	19.124	ug/l	99
86) p-Isopropyltoluene	12.07	119	478387	19.089	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	262222	18.711	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	259122	19.603	ug/l	99
89) n-Butylbenzene	12.39	91	398353	18.647	ug/l	100
90) Hexachloroethane	12.60	117	67545	18.809	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	258464	18.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34957	19.785	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010919\
Data File : VX006960.D
Acq On : 09 Jan 2019 12:18
Operator : JC/MD
Sample : VX0109WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

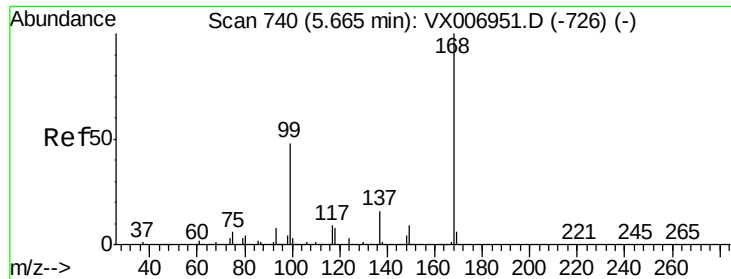
Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM

Quant Time: Jan 10 01:19:08 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	172397	18.169	ug/l	99
94) Hexachlorobutadiene	13.78	225	77954	18.513	ug/l	97
95) Naphthalene	13.83	128	546043	18.991	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	171882	18.235	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: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion:168 Resp: 599550

Ion Ratio Lower Upper

168 100

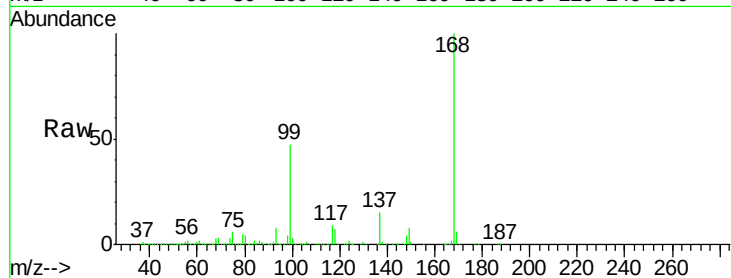
99 47.1 41.8 62.8

Manual Integrations

APPROVED

MMDadoda

1/10/2019 10:54:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

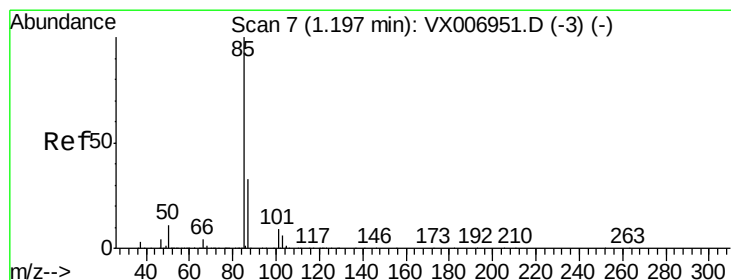
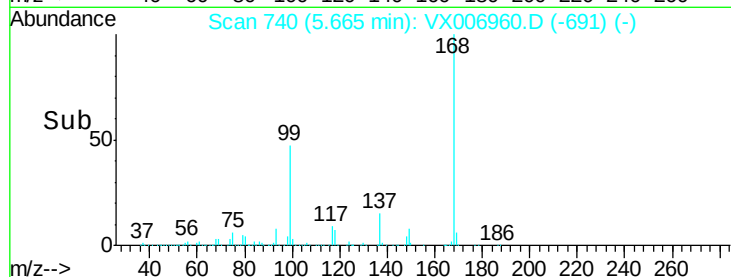
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.164 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006960.D

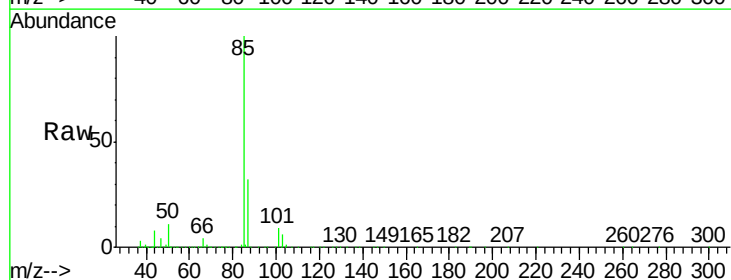
Acq: 09 Jan 2019 12:18

Tgt Ion: 85 Resp: 104203

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

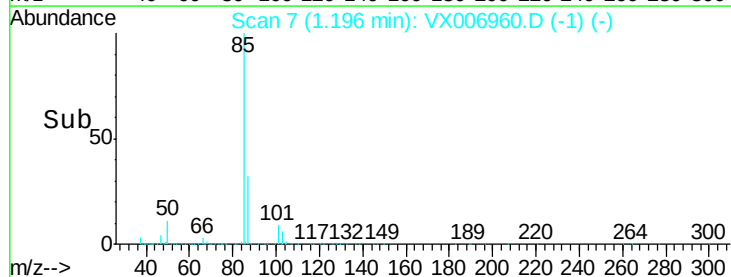
40000

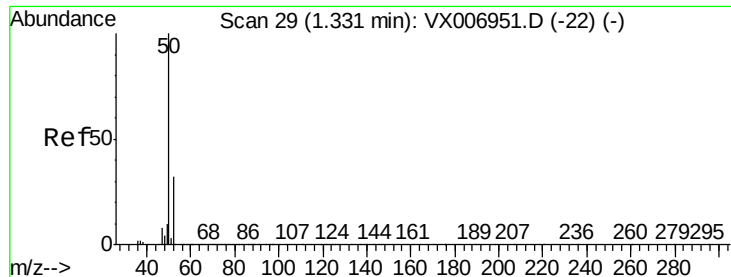
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.100 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 50 Resp: 109476

Ion Ratio Lower Upper

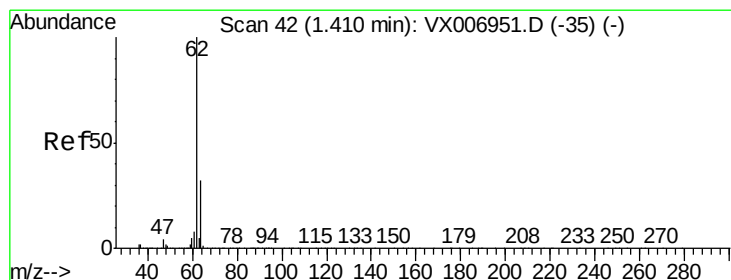
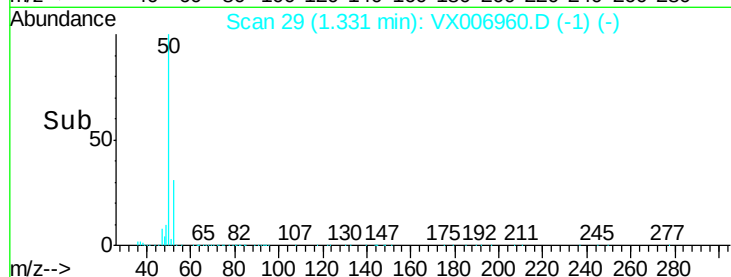
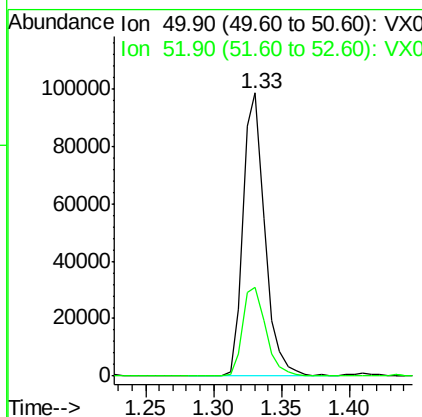
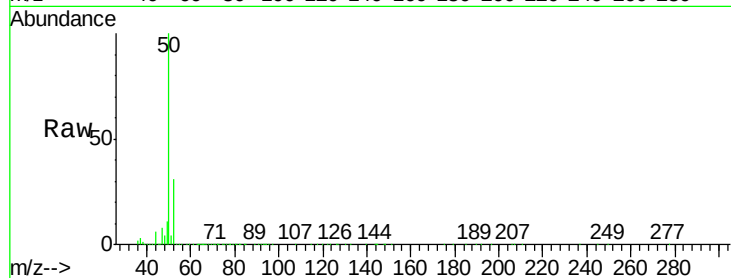
50 100

52 31.3 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/10/2019 10:54:15 AM



#4

Vinyl Chloride

Concen: 19.768 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006960.D

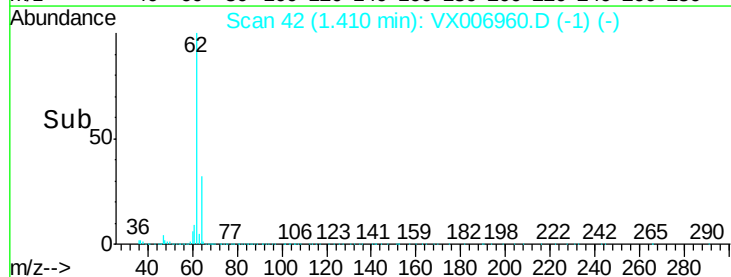
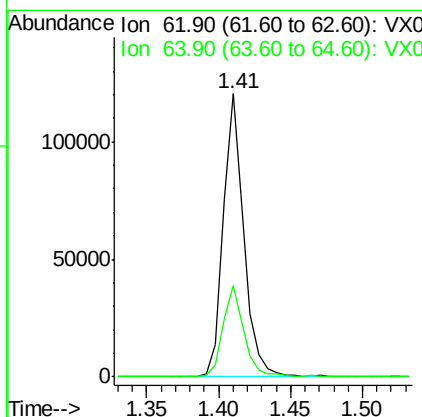
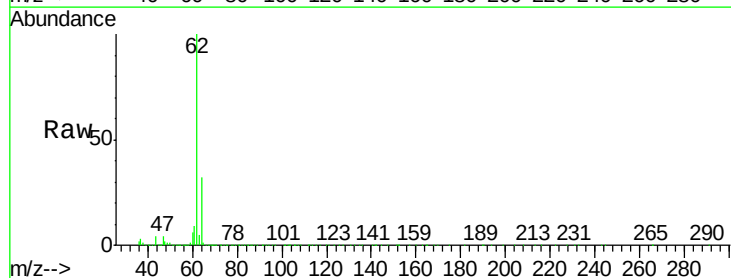
Acq: 09 Jan 2019 12:18

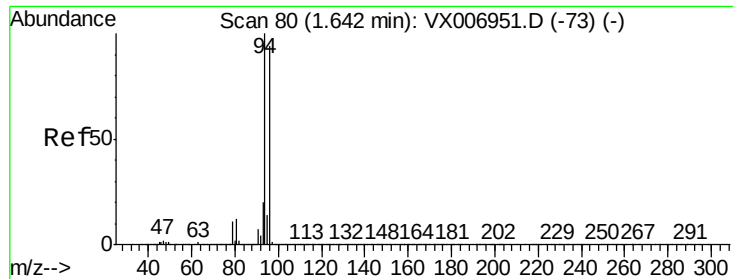
Tgt Ion: 62 Resp: 121878

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 18.592 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 94 Resp: 122470

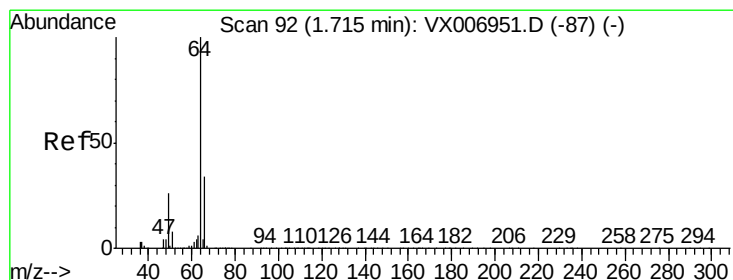
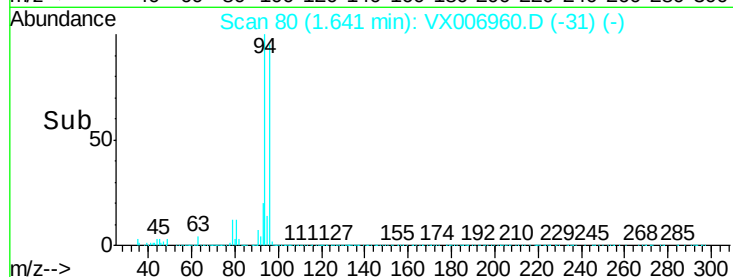
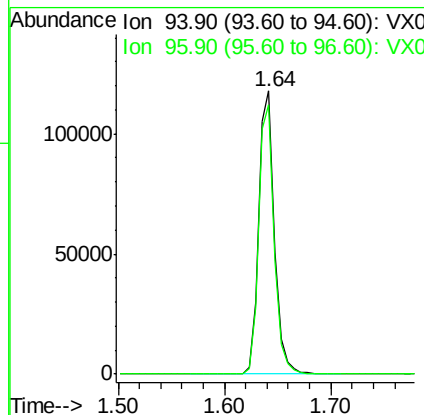
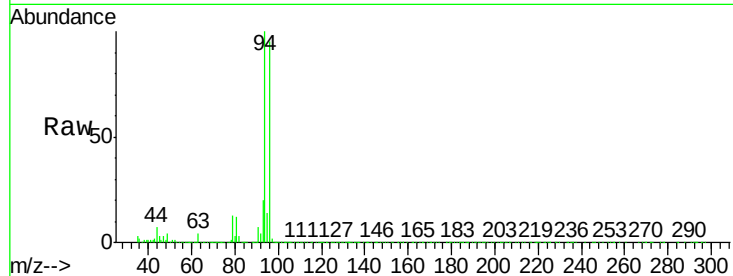
Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#6

Chloroethane

Concen: 18.197 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006960.D

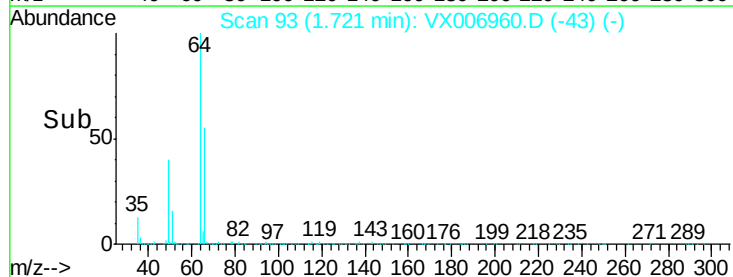
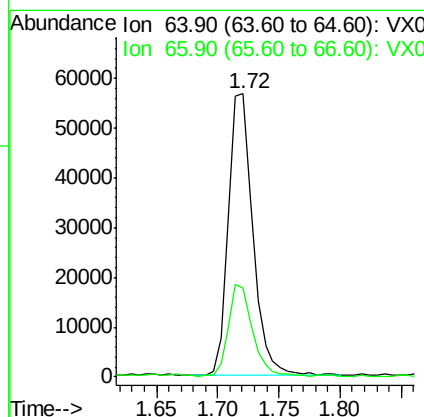
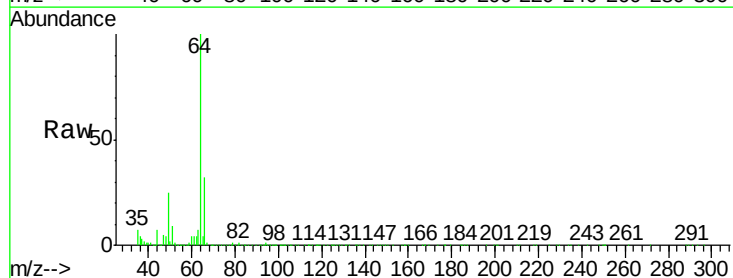
Acq: 09 Jan 2019 12:18

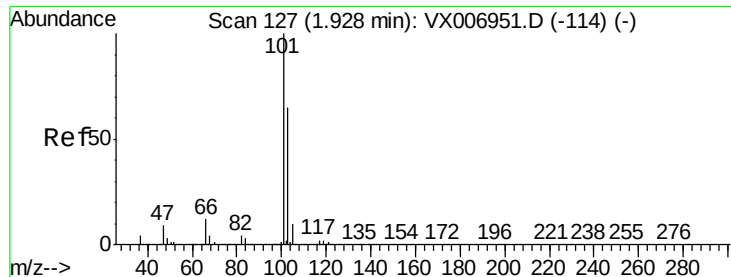
Tgt Ion: 64 Resp: 78339

Ion Ratio Lower Upper

64 100

66 31.5 26.4 39.6





#7

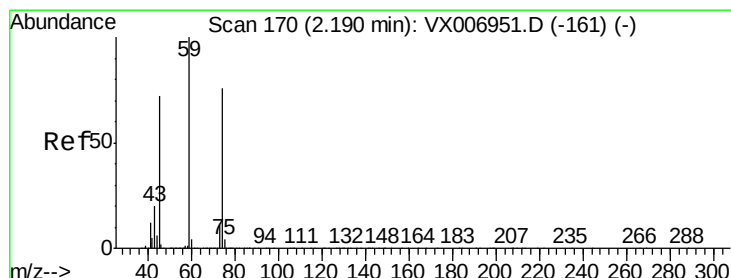
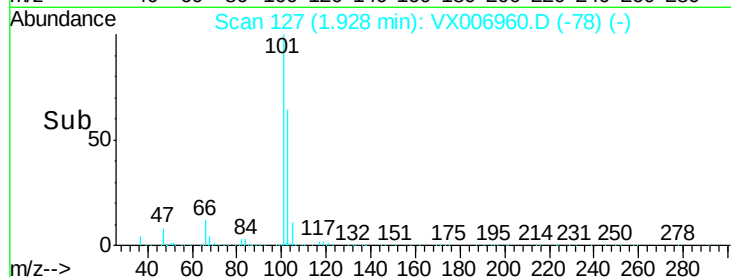
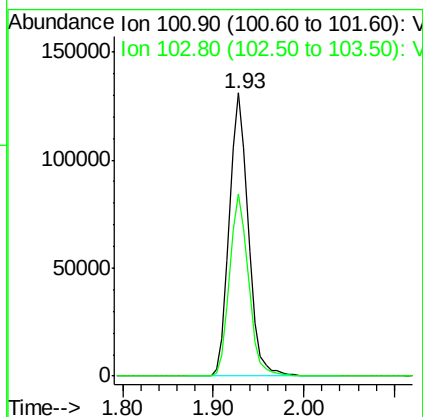
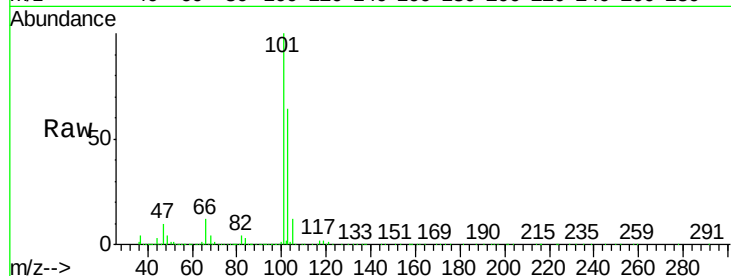
Trichlorofluoromethane
Concen: 19.244 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.2	79.8

Manual Integrations
APPROVED

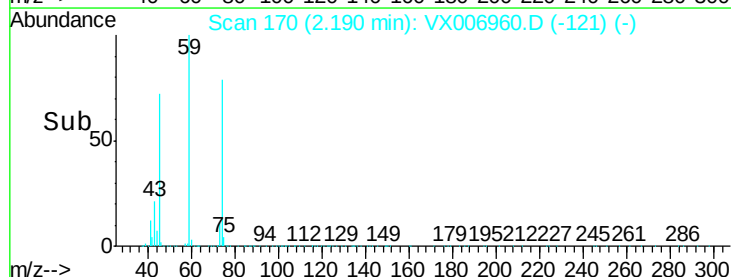
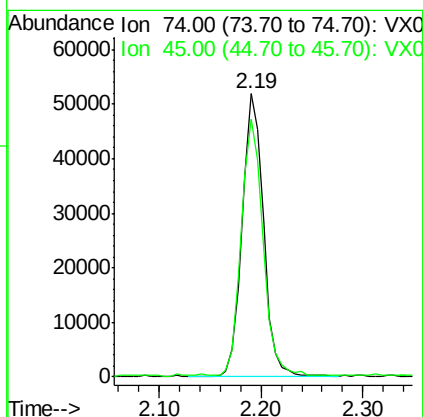
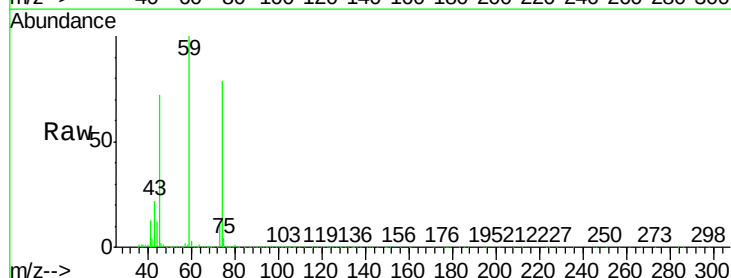
MMDadoda
1/10/2019 10:54:15 AM

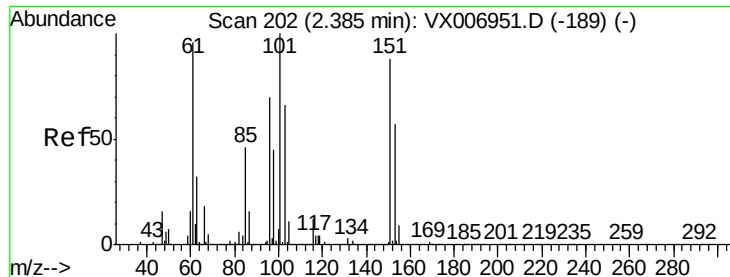


#8

Diethyl Ether
Concen: 18.844 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.328 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

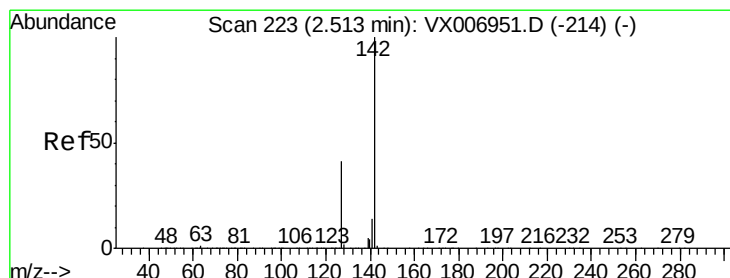
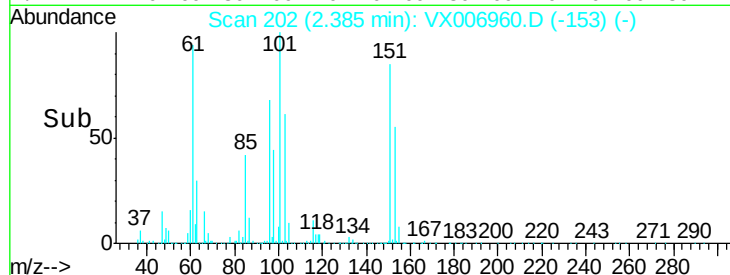
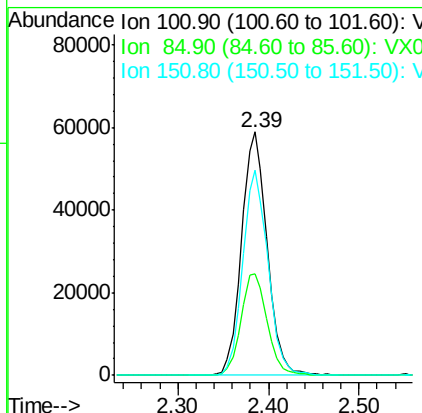
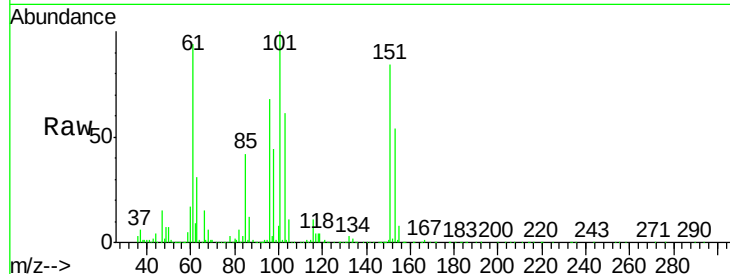
ClientSampleId :

VX0109WBSD01

Tot Ion:	101	Resp:	115275
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.1	52.7
151	82.8	68.9	103.3

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#10

Methyl Iodide

Concen: 20.552 ug/l

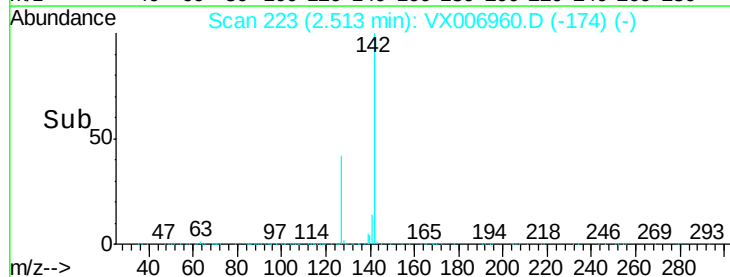
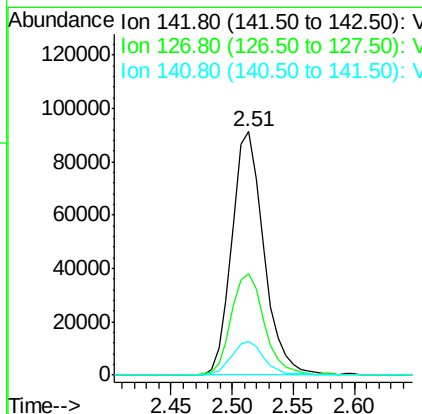
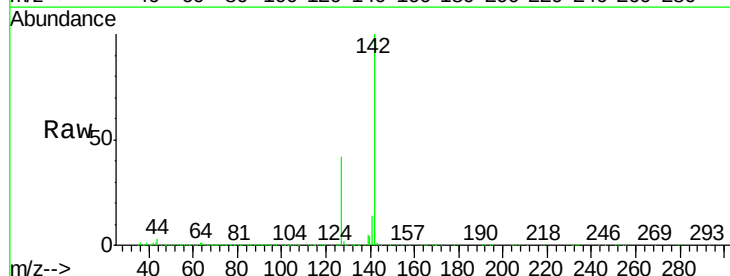
RT: 2.51 min Scan# 223

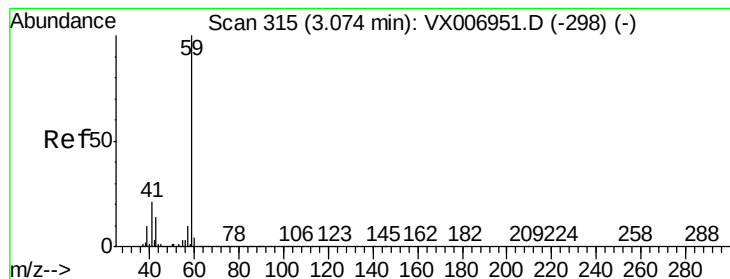
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	142	Resp:	165346
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.9	50.9
141	14.3	11.4	17.0





#11

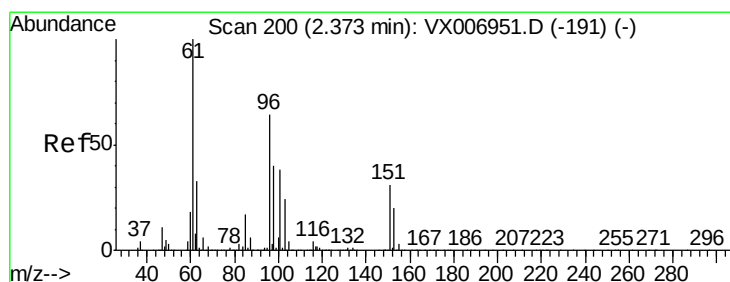
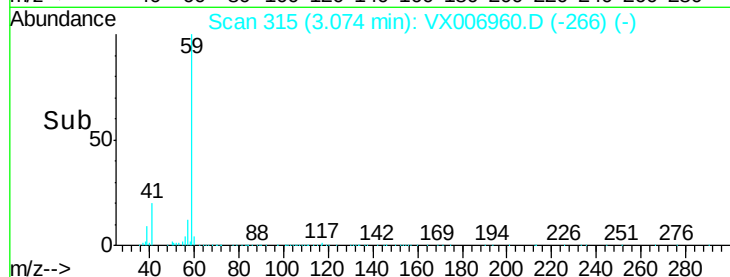
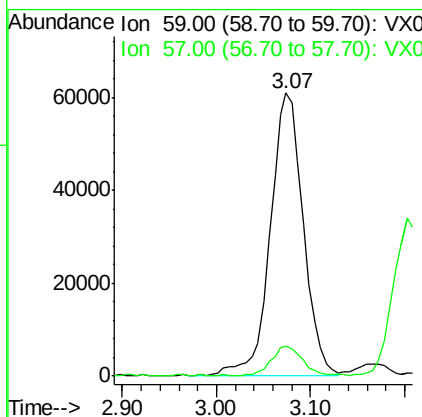
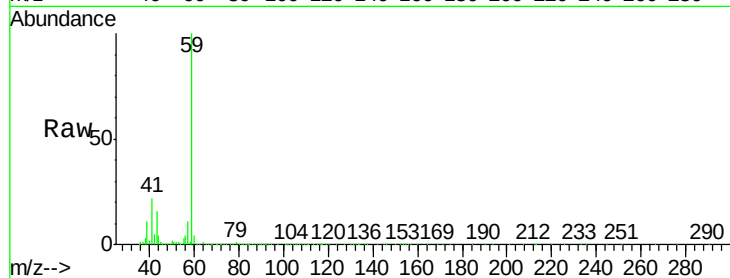
Tert butyl alcohol
Concen: 101.686 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
APPROVED

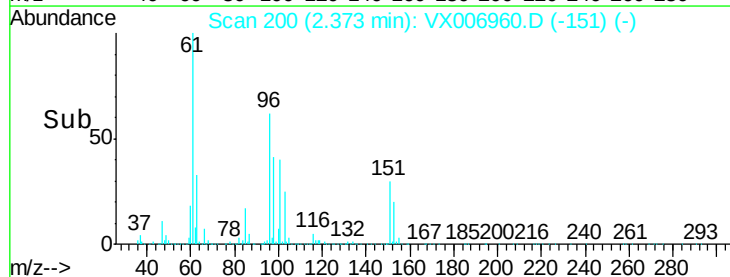
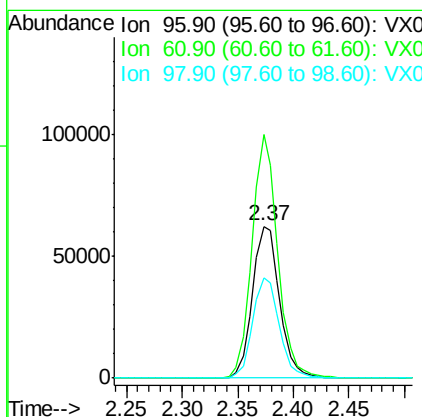
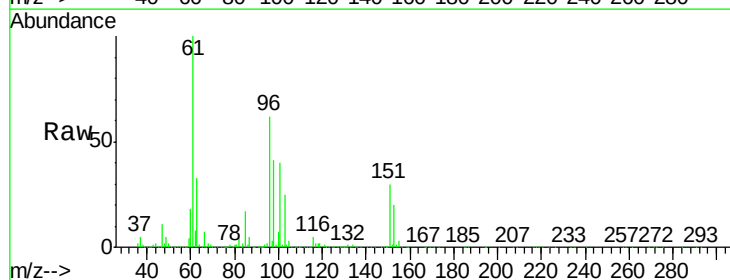
MMDadoda
1/10/2019 10:54:15 AM

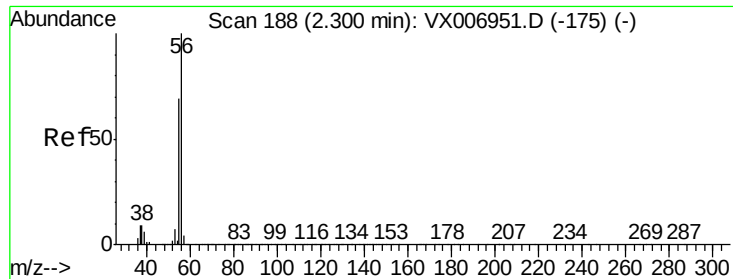


#12

1,1-Dichloroethene
Concen: 19.257 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	121.4	182.2
98	65.7	51.9	77.9





#13

Acrolein

Concen: 90.316 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 56 Resp: 56302

Ion Ratio Lower Upper

56 100

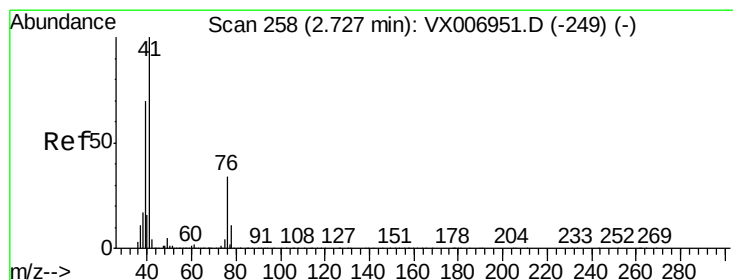
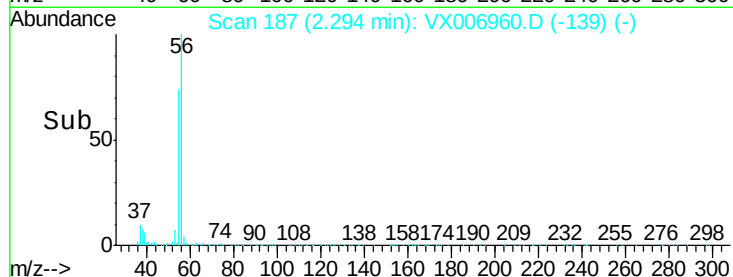
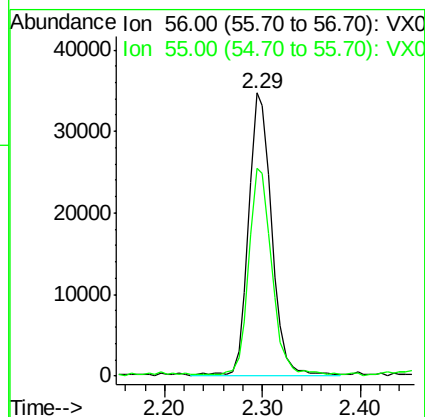
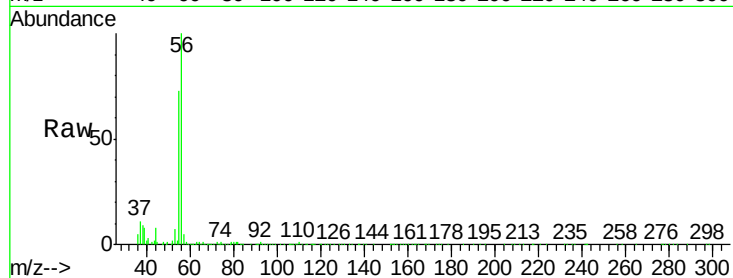
55 72.9 58.2 87.4

Manual Integrations

APPROVED

MMDadoda

1/10/2019 10:54:15 AM



#14

Allyl chloride

Concen: 19.092 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

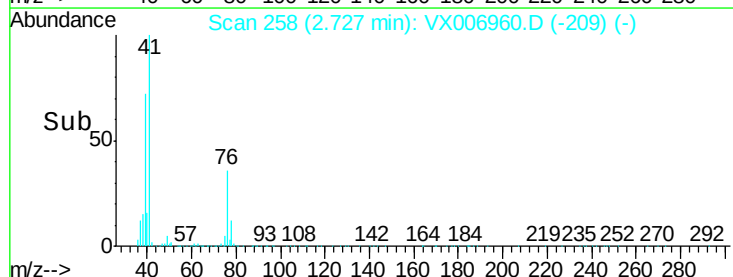
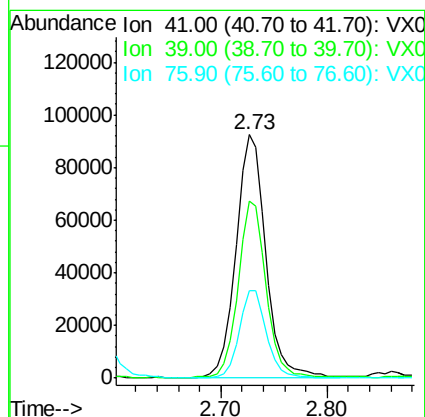
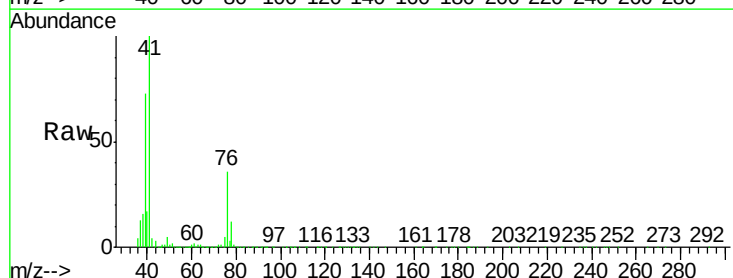
Tgt Ion: 41 Resp: 180296

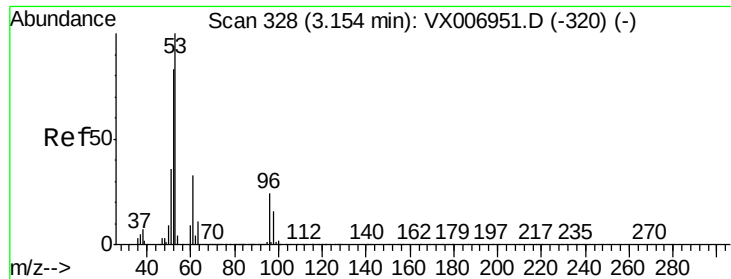
Ion Ratio Lower Upper

41 100

39 68.2 53.6 80.4

76 32.6 27.4 41.2





#15

Acrylonitrile

Concen: 97.758 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

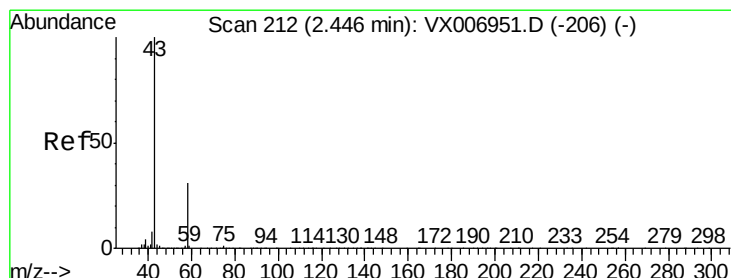
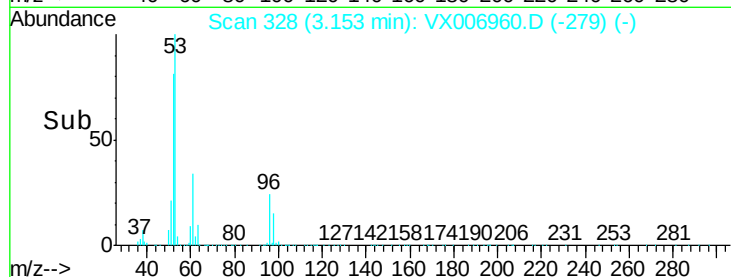
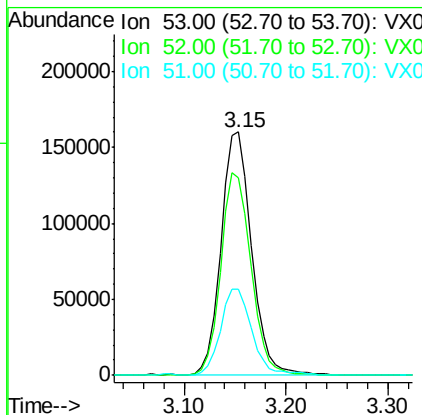
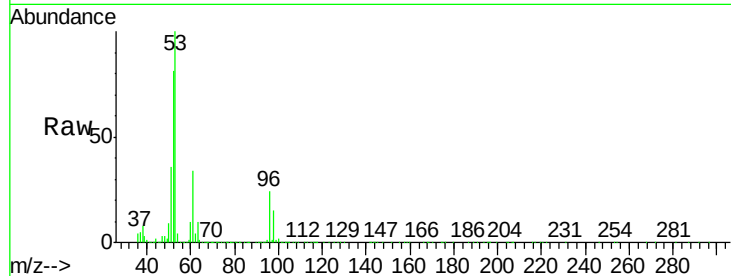
ClientSampleId :

VX0109WBSD01

Tot Ion:	53	Resp:	331701
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.0	99.0
51	36.2	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#16

Acetone

Concen: 96.332 ug/l

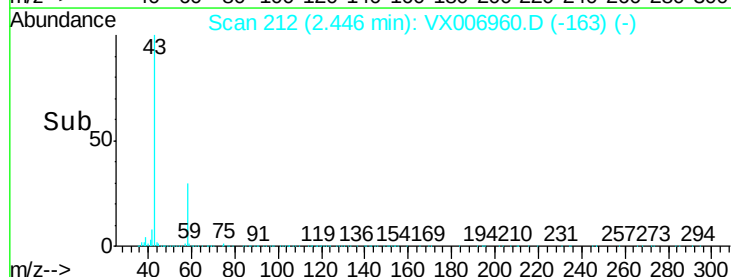
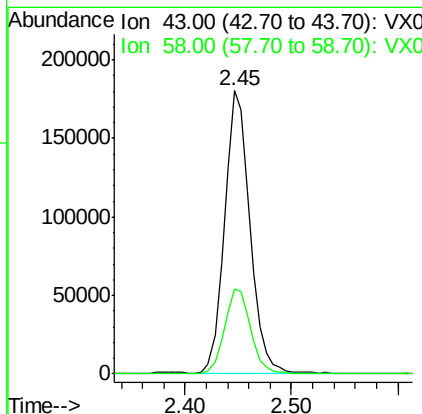
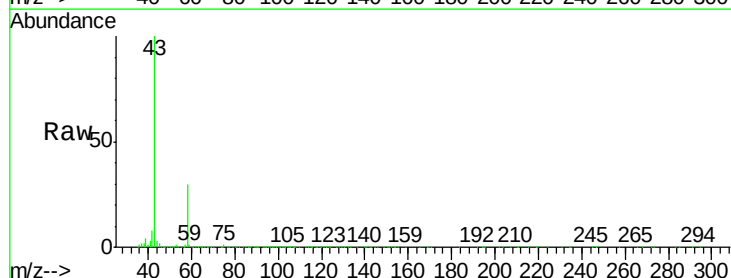
RT: 2.45 min Scan# 212

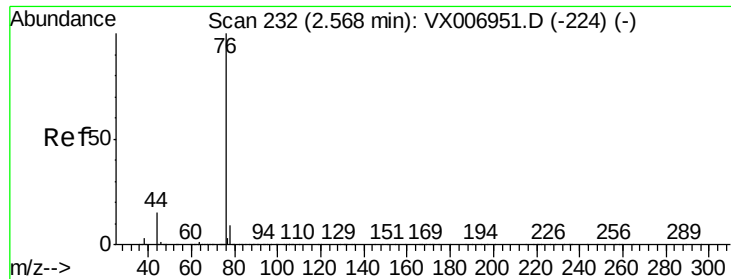
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	43	Resp:	298398
Ion Ratio		Lower	Upper
43	100		
58	29.9	25.0	37.6





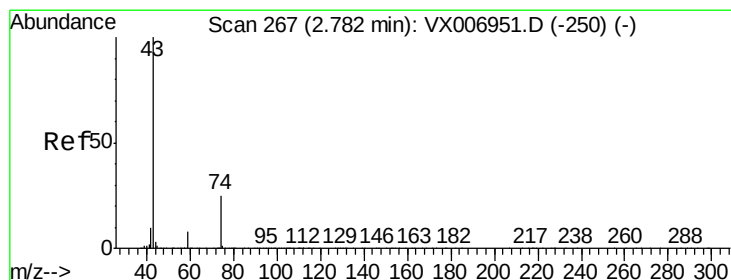
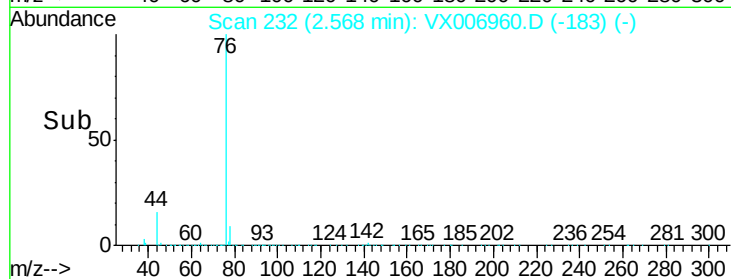
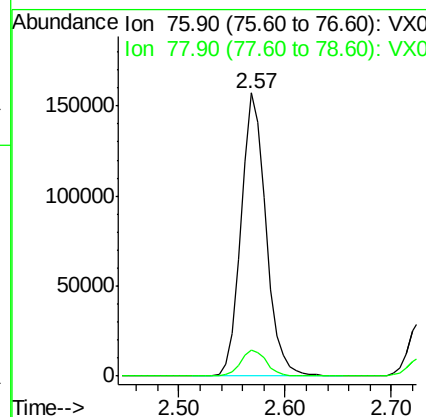
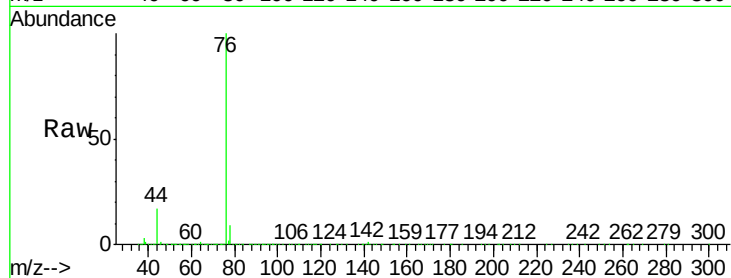
#17
Carbon Disulfide
Concen: 18.298 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

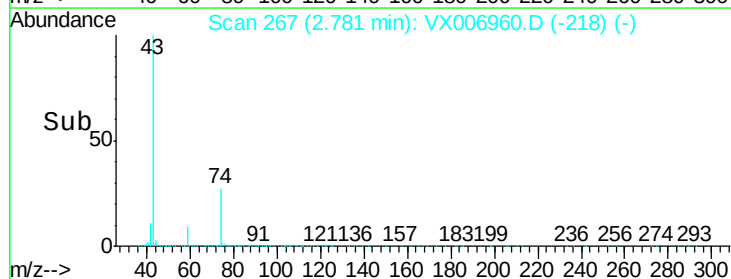
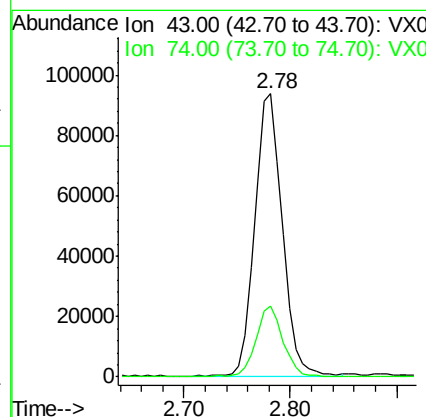
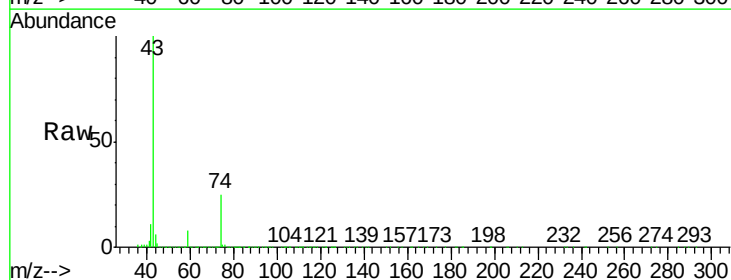
Manual Integrations
APPROVED

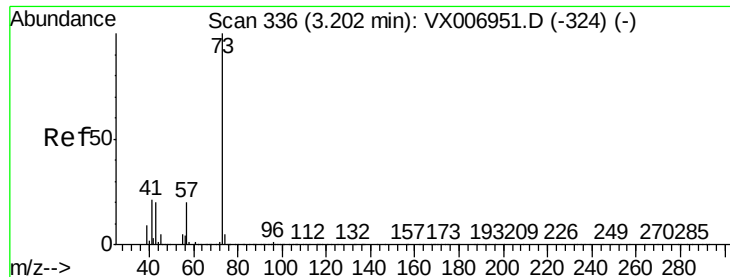
MMDadoda
1/10/2019 10:54:15 AM



#18
Methyl Acetate
Concen: 18.871 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.6	28.0





#19

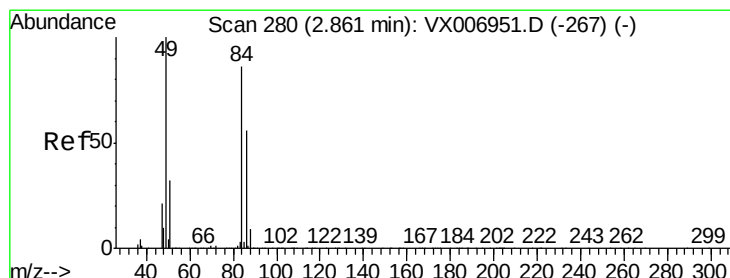
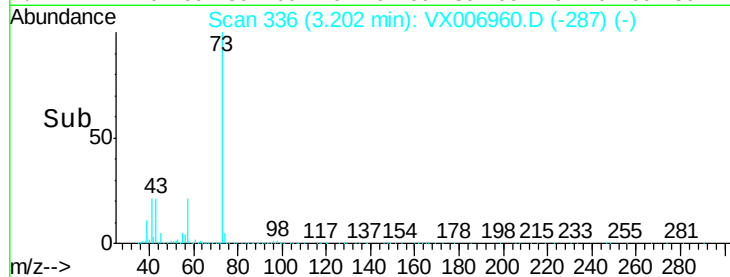
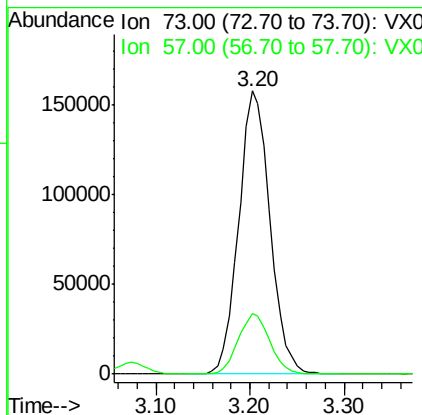
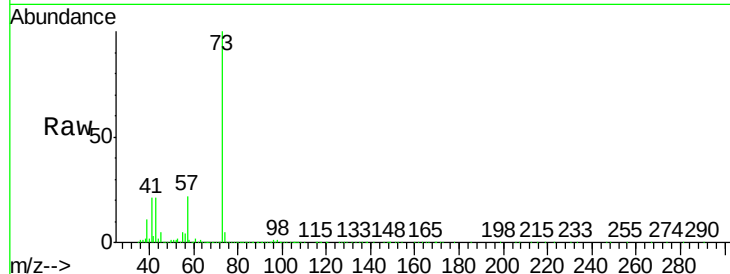
Methyl tert-butyl Ether
Concen: 19.194 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

Manual Integrations
APPROVED

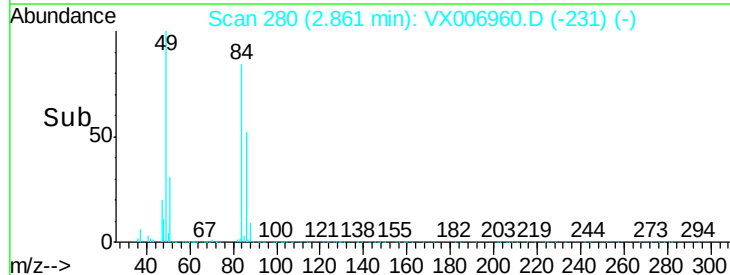
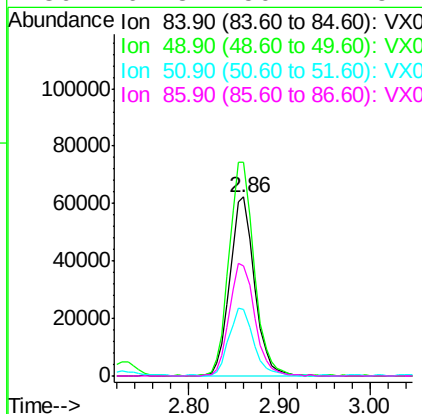
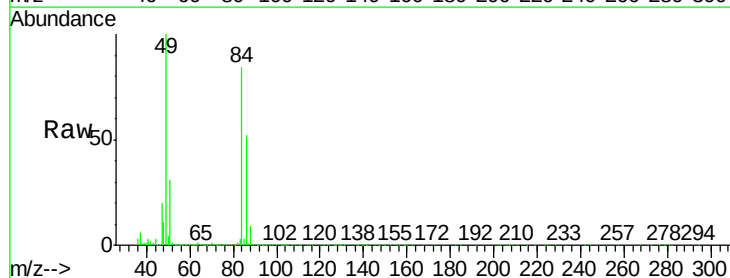
MMDadoda
1/10/2019 10:54:15 AM

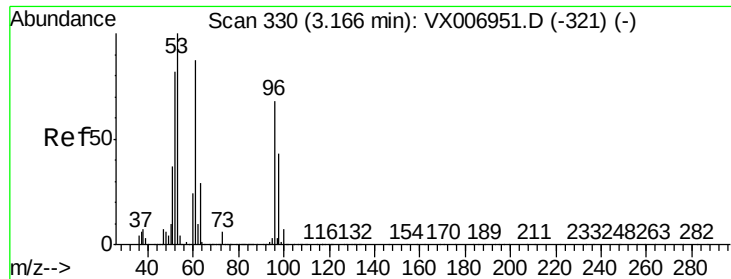


#20

Methylene Chloride
Concen: 19.571 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	91.8	137.6
51	37.2	28.5	42.7
86	61.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.347 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

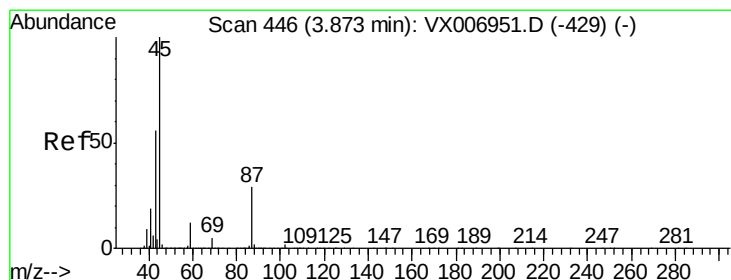
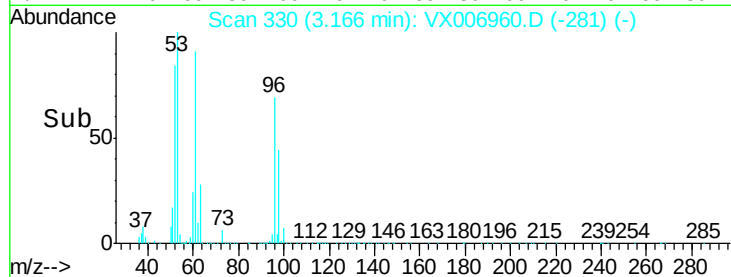
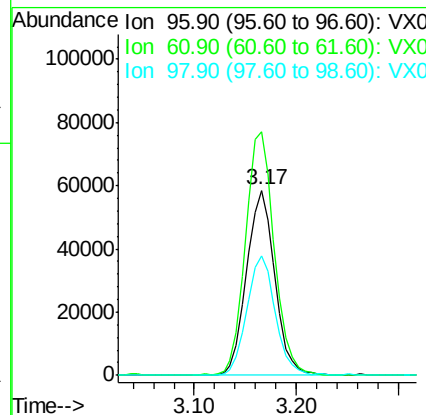
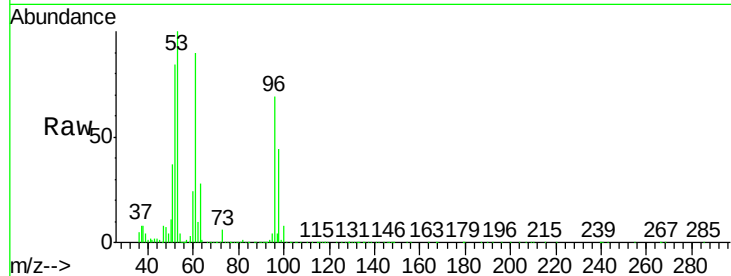
ClientSampleId :

VX0109WBSD01

Tot Ion:	96	Resp:	112664
Ion Ratio	Lower	Upper	
96	100		
61	131.4	103.7	155.5
98	64.3	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#22

Diisopropyl ether

Concen: 19.173 ug/l

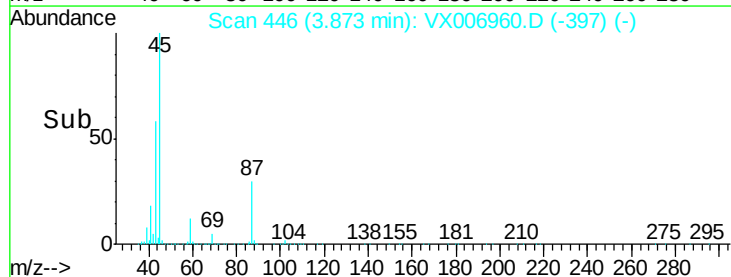
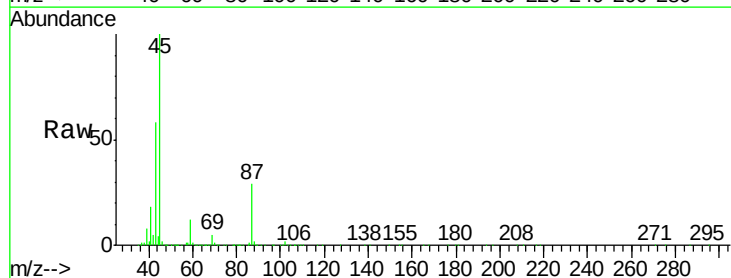
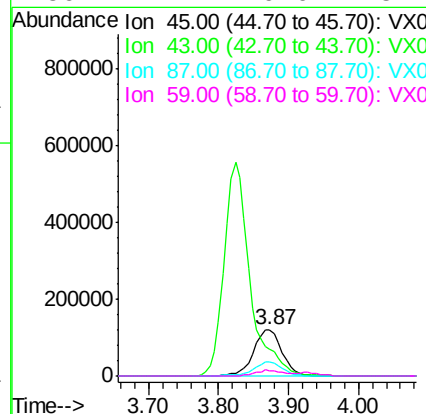
RT: 3.87 min Scan# 446

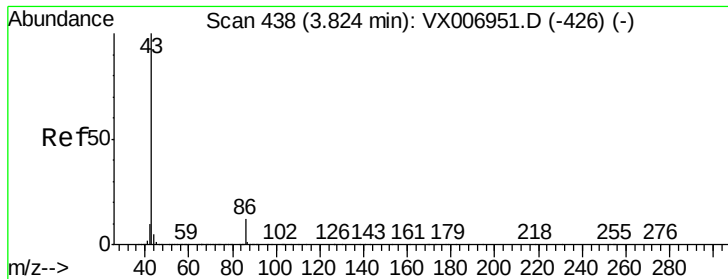
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	45	Resp:	340396
Ion Ratio	Lower	Upper	
45	100		
43	57.9	51.2	76.8
87	29.4	25.8	38.6
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 96.121 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 43 Resp: 1439144

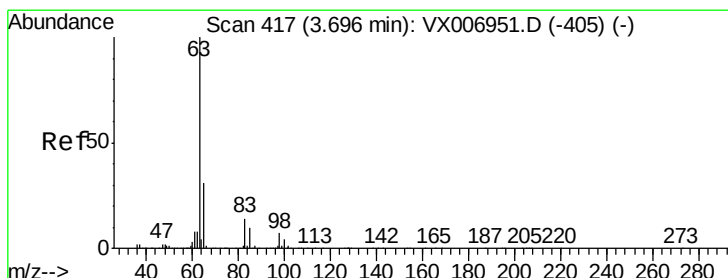
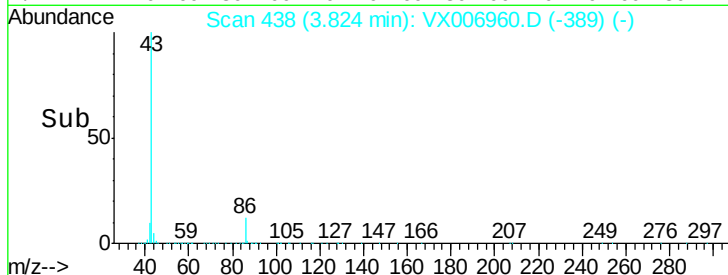
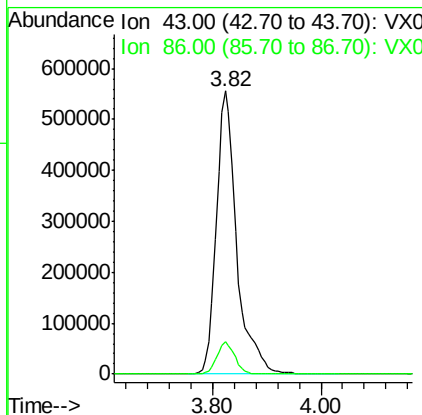
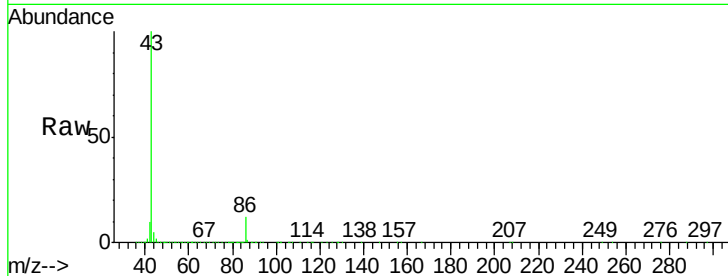
Ion Ratio Lower Upper

43 100

86 11.7 9.2 13.8

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#24

1,1-Dichloroethane

Concen: 18.985 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

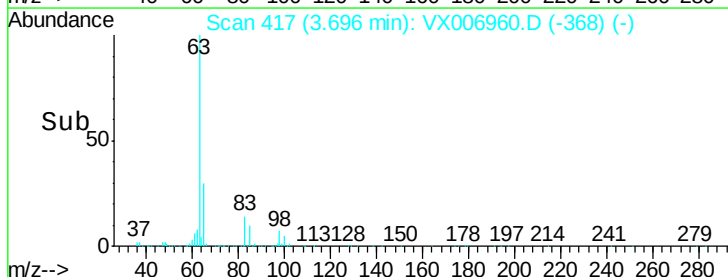
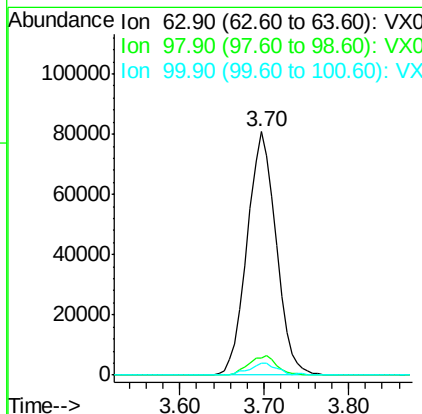
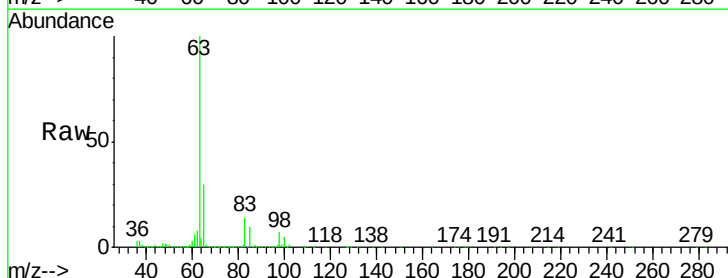
Tgt Ion: 63 Resp: 188468

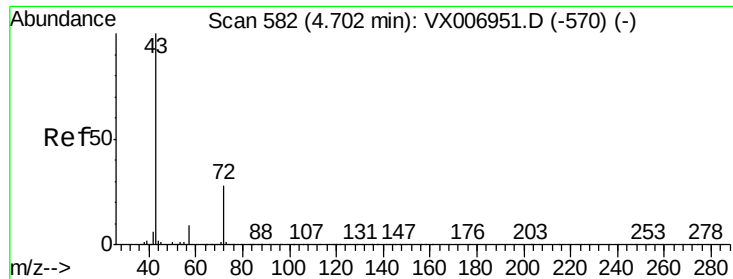
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 99.651 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 43 Resp: 441678

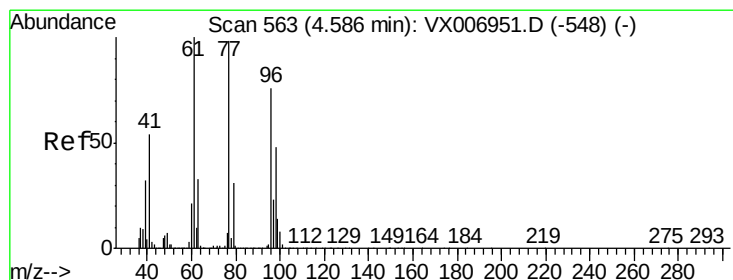
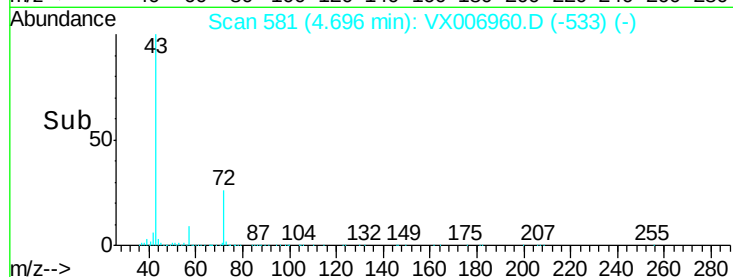
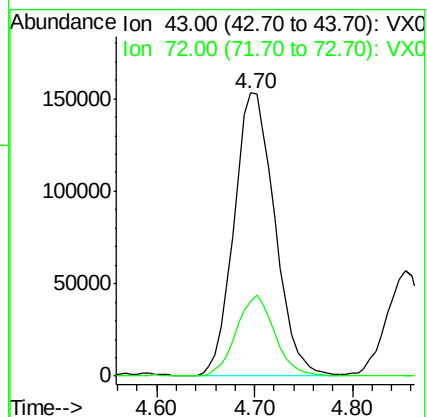
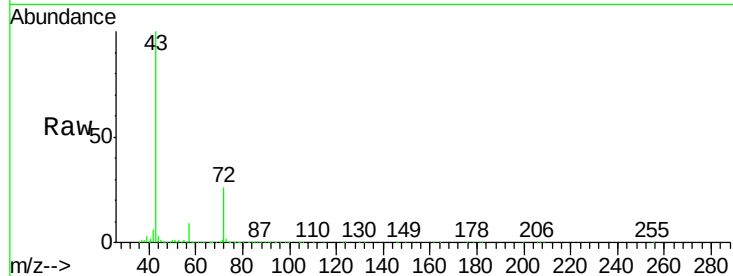
Ion Ratio Lower Upper

43 100

72 26.2 22.4 33.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#26

2,2-Dichloropropane

Concen: 18.906 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006960.D

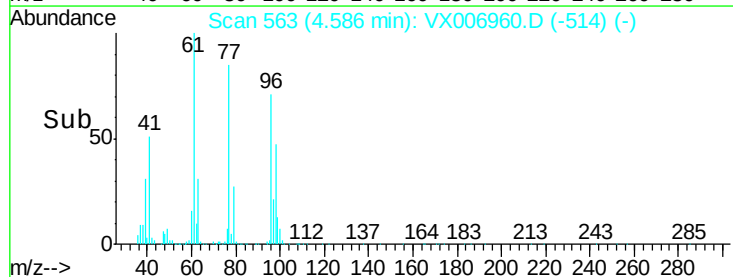
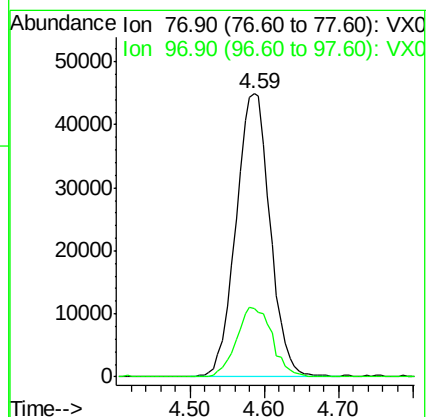
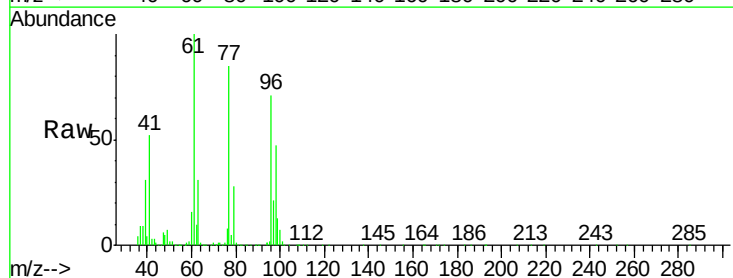
Acq: 09 Jan 2019 12:18

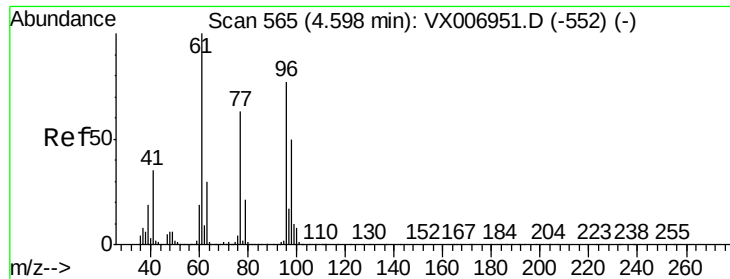
Tgt Ion: 77 Resp: 144324

Ion Ratio Lower Upper

77 100

97 25.7 12.4 37.4





#27

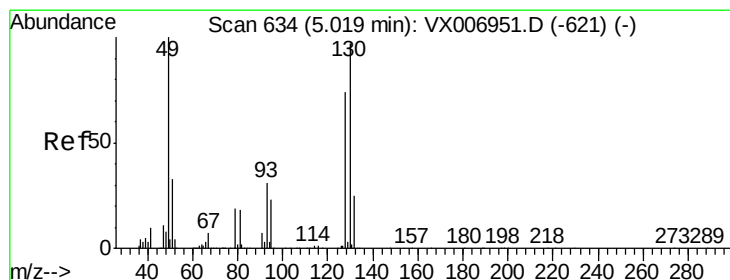
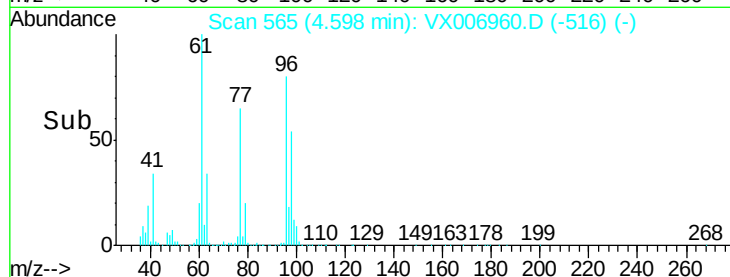
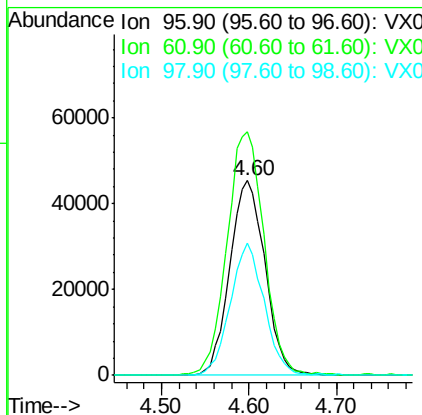
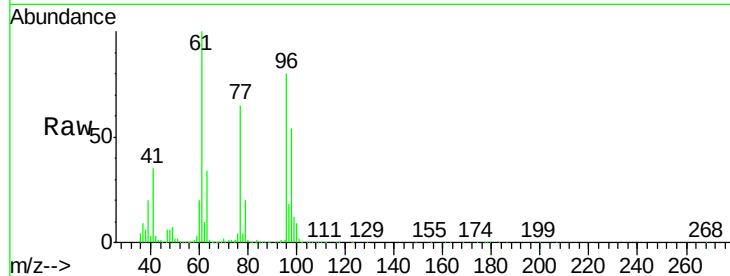
cis-1,2-Dichloroethene
 Concen: 18.808 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	258.6
98	65.4	0.0	132.0

Manual Integrations
 APPROVED

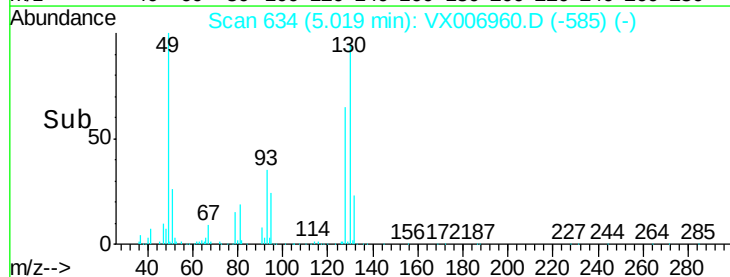
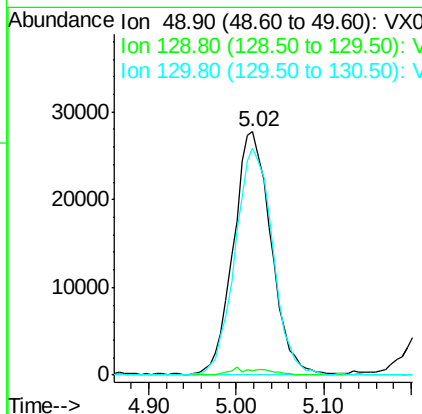
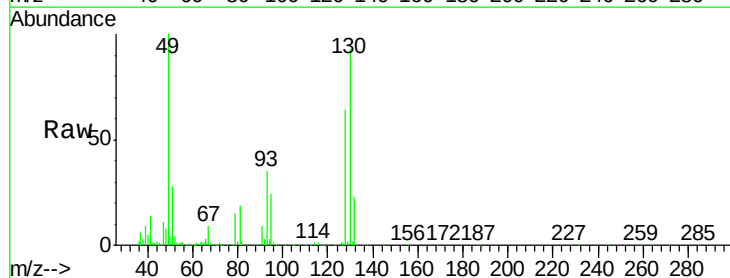
MMDadoda
 1/10/2019 10:54:15 AM

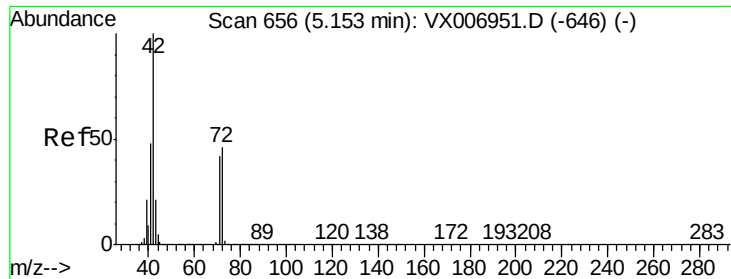


#28

Bromochloromethane
 Concen: 18.991 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	5.4
130	94.1	77.7	116.5





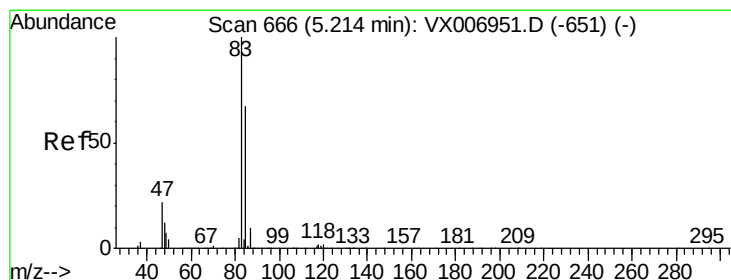
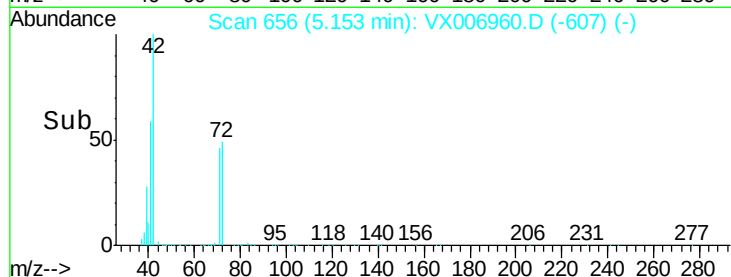
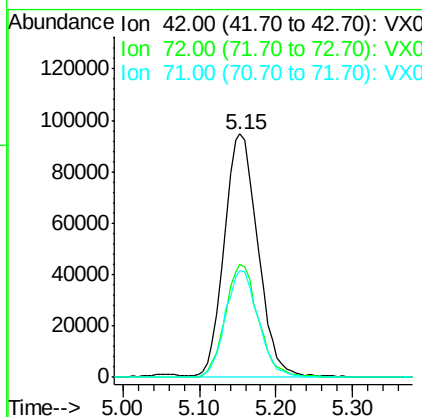
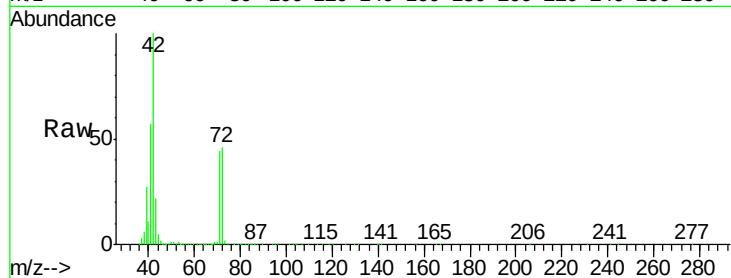
#29
Tetrahydrofuran
Concen: 98.645 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
72	46.4	38.9	58.3		
71	43.8	36.2	54.4		

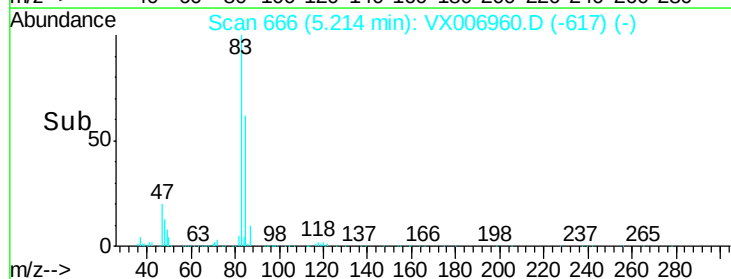
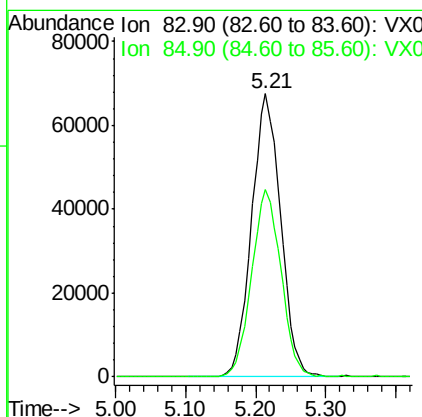
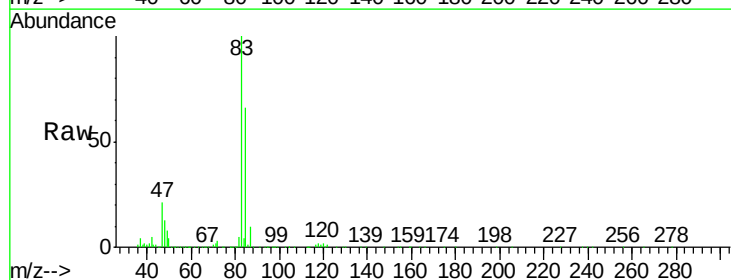
Manual Integrations
APPROVED

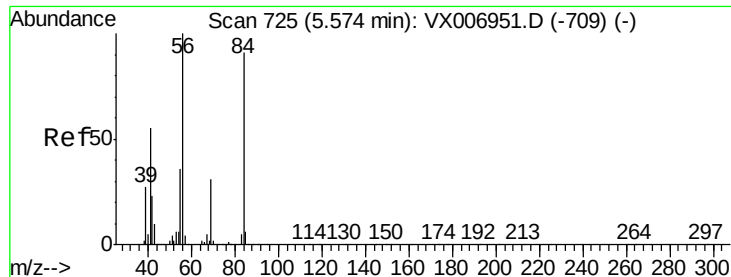
MMDadoda
1/10/2019 10:54:15 AM



#30
Chloroform
Concen: 18.839 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
85	66.1	51.2	76.8		





#31

Cyclohexane

Concen: 18.624 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

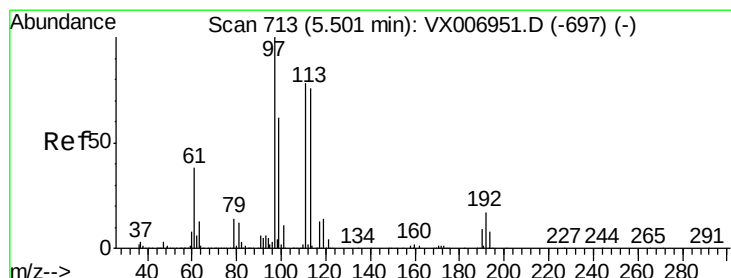
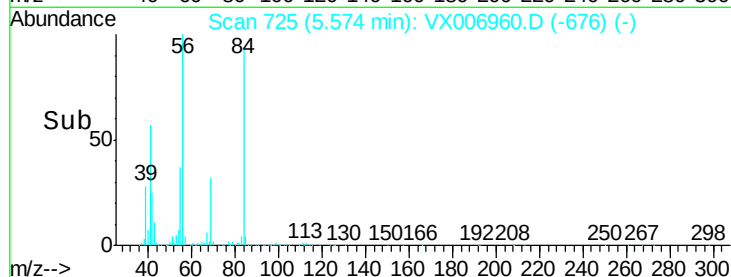
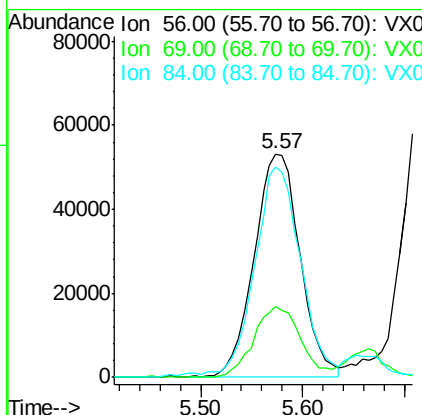
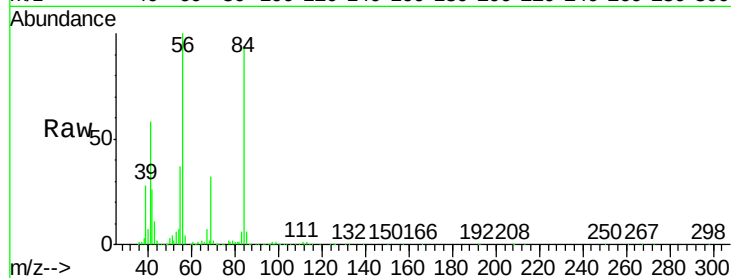
ClientSampleId :

VX0109WBSD01

Tot Ion:	56	Resp:	164559
Ion Ratio		Lower	Upper
56	100		
69	31.6	24.4	36.6
84	92.9	70.0	105.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#32

1,1,1-Trichloroethane

Concen: 18.985 ug/l

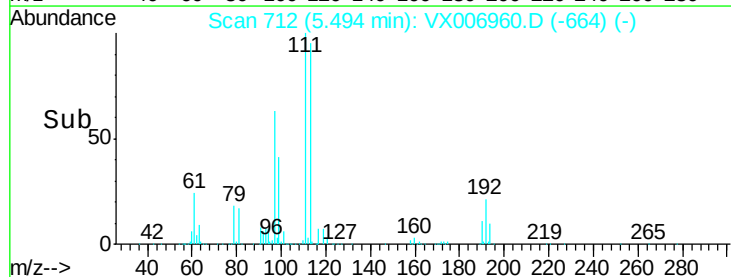
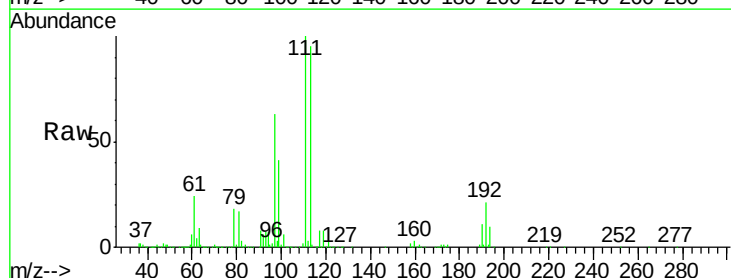
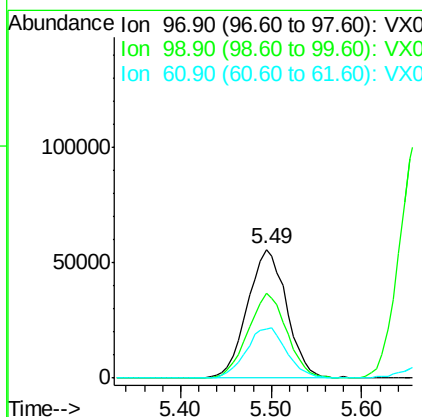
RT: 5.49 min Scan# 712

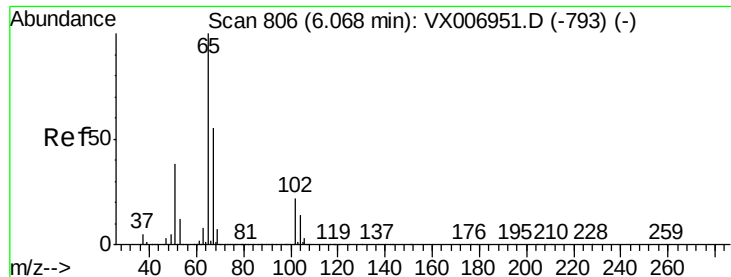
Delta R.T. -0.01 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	97	Resp:	167255
Ion Ratio		Lower	Upper
97	100		
99	65.1	51.7	77.5
61	40.0	31.3	46.9





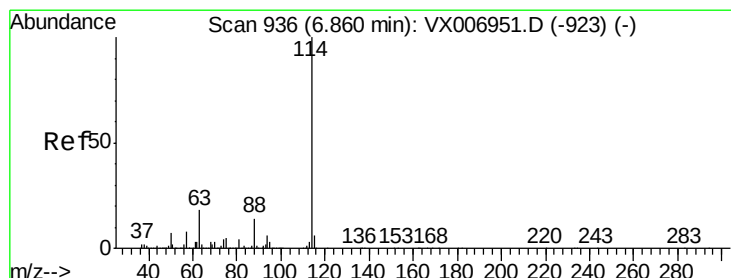
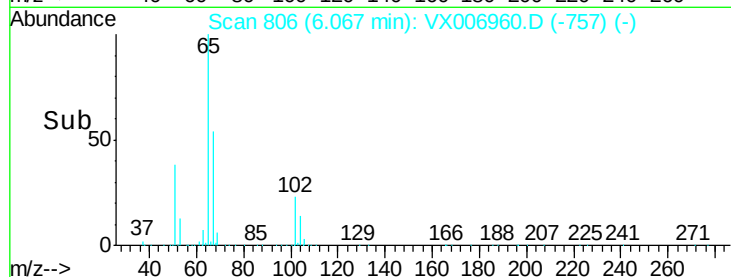
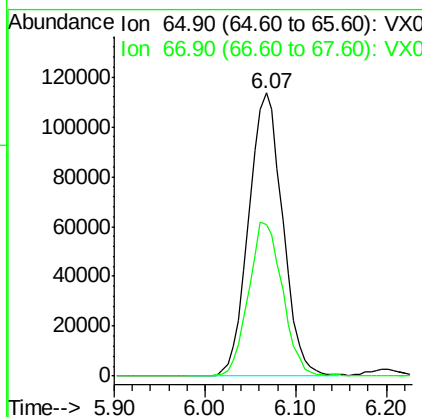
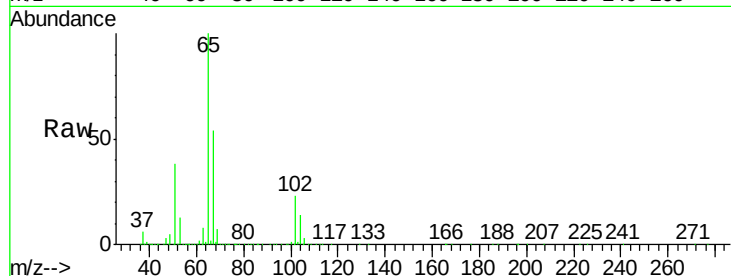
#33
 1,2-Dichloroethane-d4
 Concen: 47.166 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	295533		
67	54.4	0.0	105.0	

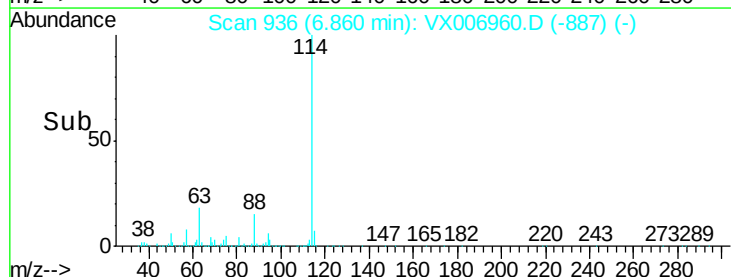
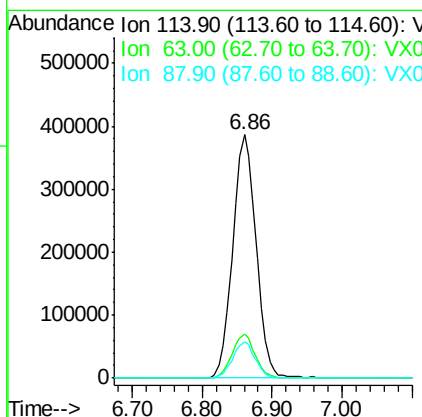
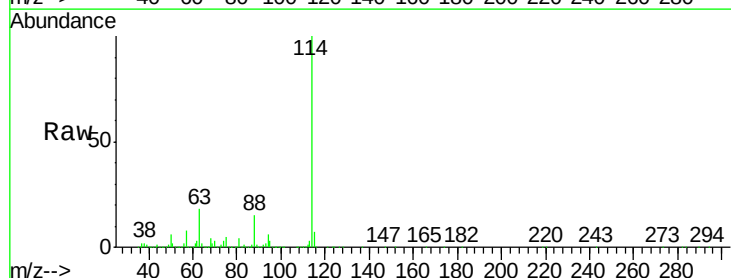
Manual Integrations
 APPROVED

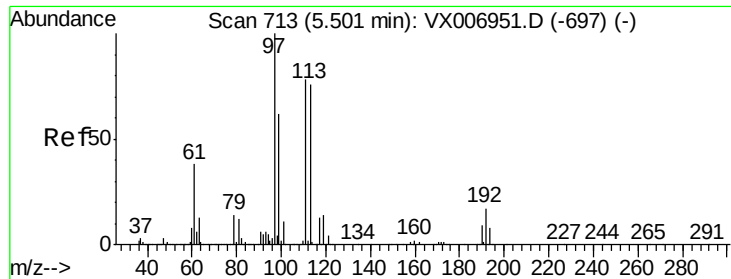
MMDadoda
 1/10/2019 10:54:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	896691		
63	18.2	0.0	34.8	
88	14.8	0.0	28.8	





#35

Dibromofluoromethane

Concen: 46.143 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

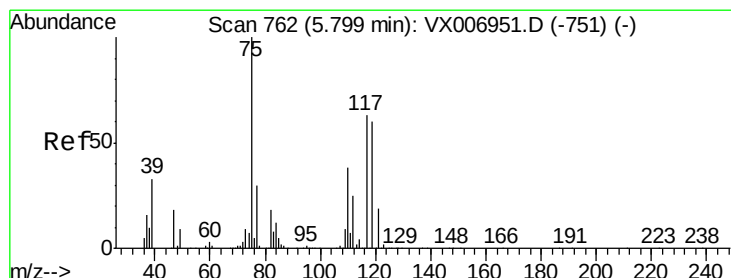
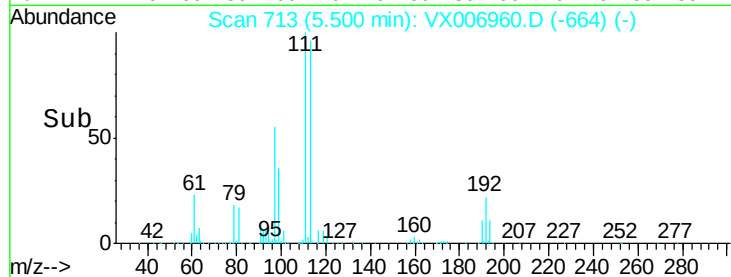
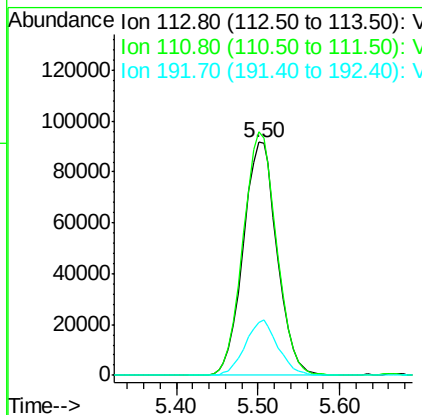
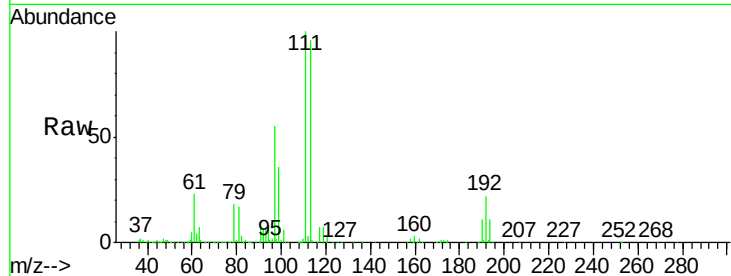
ClientSampleId :

VX0109WBSD01

Tot Ion:	113	Resp:	264972
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.6	122.4
192	22.8	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#36

1,1-Dichloropropene

Concen: 18.620 ug/l

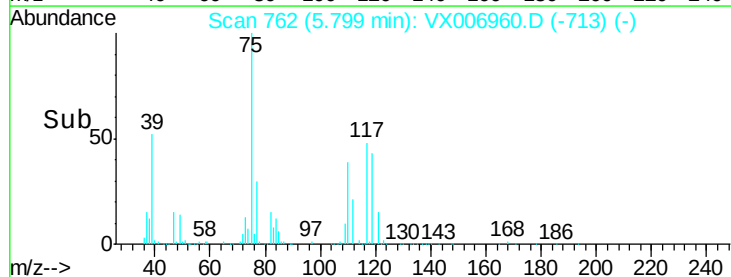
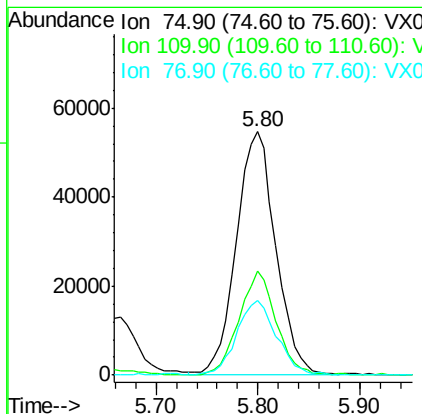
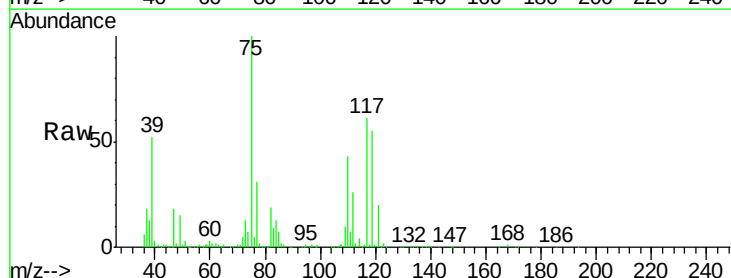
RT: 5.80 min Scan# 762

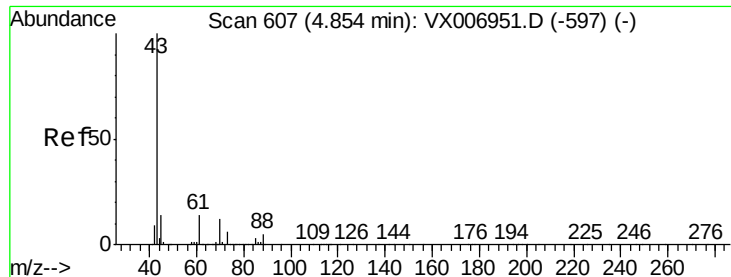
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	75	Resp:	145164
Ion Ratio	Lower	Upper	
75	100		
110	41.0	20.2	60.5
77	30.6	24.8	37.2





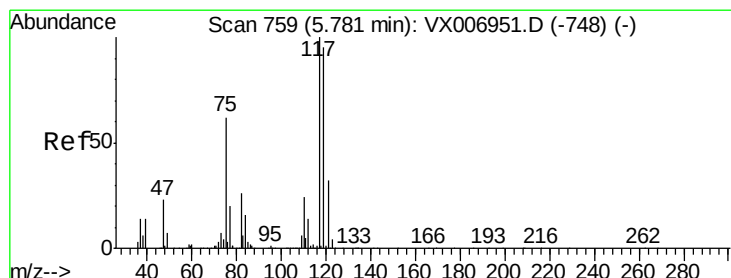
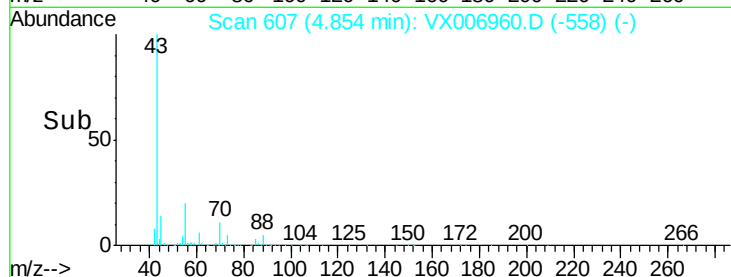
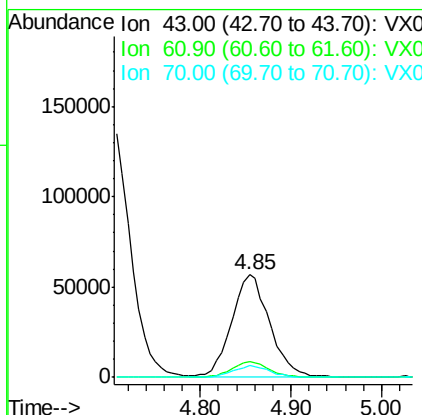
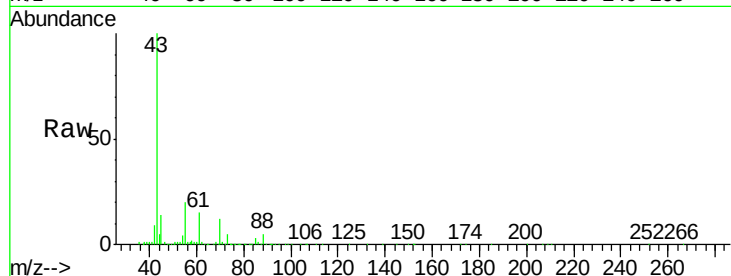
#37
Ethyl Acetate
Concen: 19.568 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	10.8	9.7	14.5

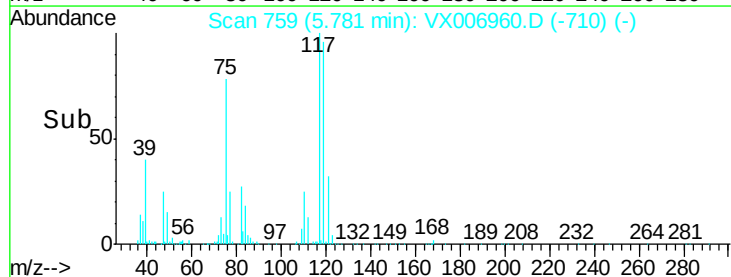
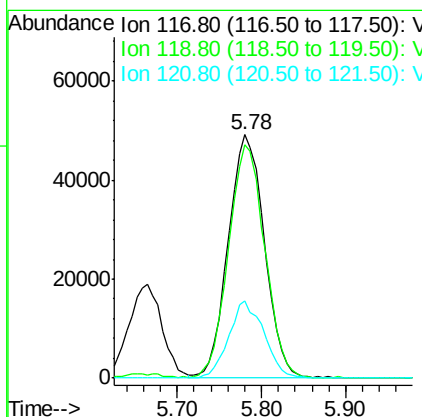
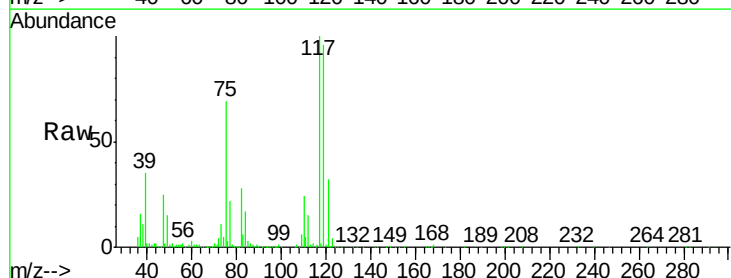
Manual Integrations
APPROVED

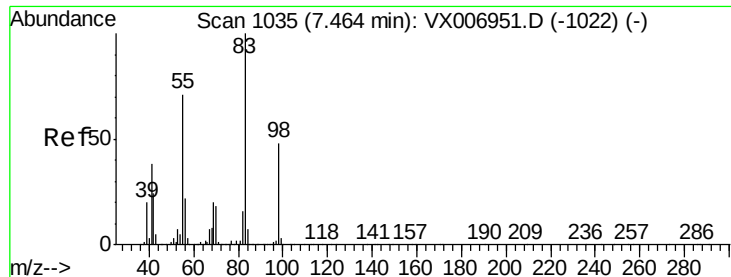
MMDadoda
1/10/2019 10:54:15 AM



#38
Carbon Tetrachloride
Concen: 18.219 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	79.4	119.2
121	32.0	24.0	36.0





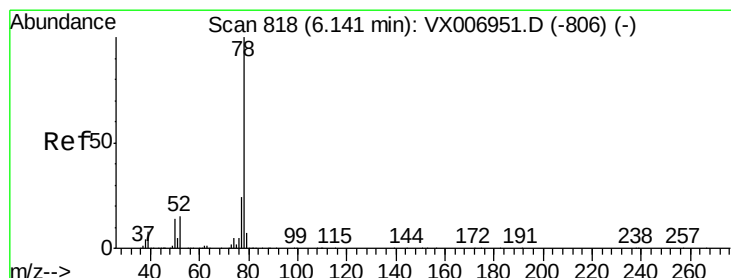
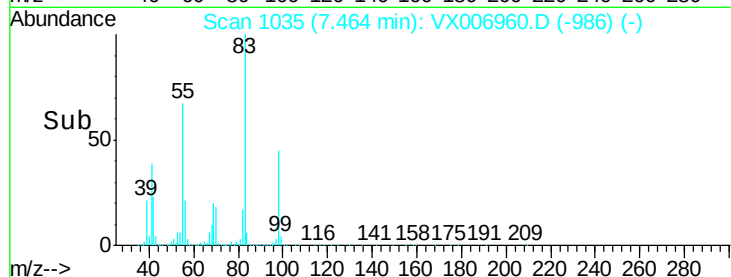
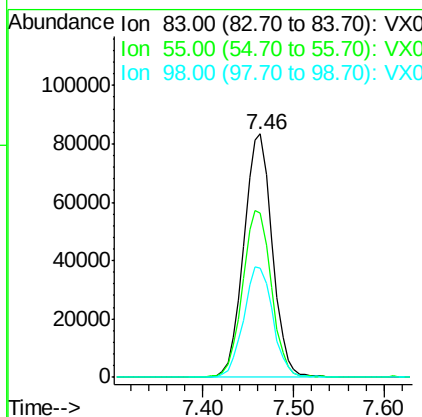
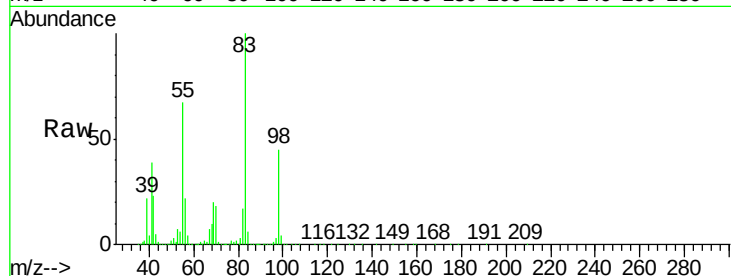
#39
Methylvlcyclohexane
Concen: 18.276 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	83	Resp	181640
Ion	Ratio	Lower	Upper
83	100		
55	67.1	54.9	82.3
98	44.9	37.9	56.9

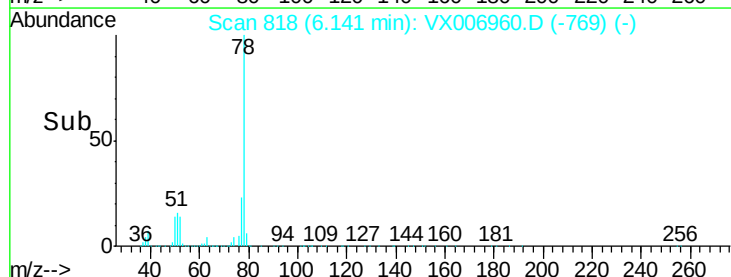
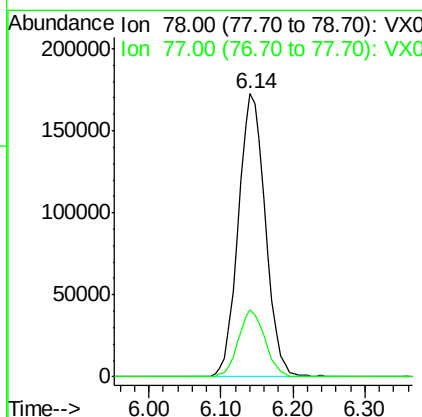
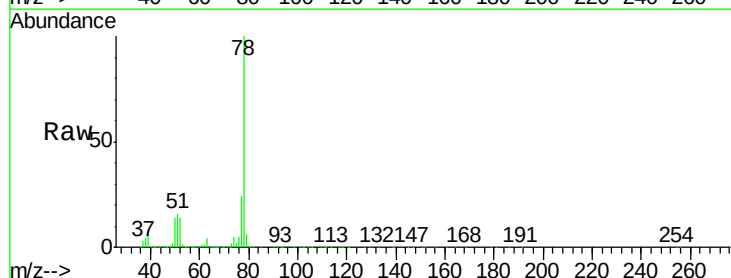
Manual Integrations
APPROVED

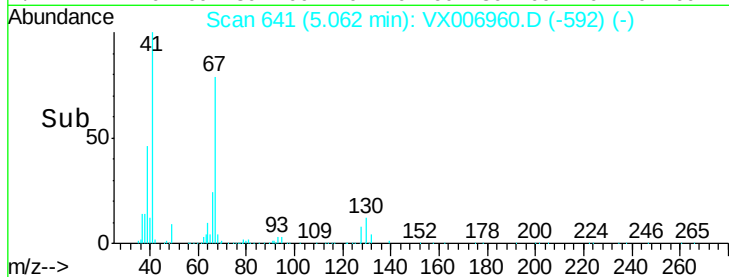
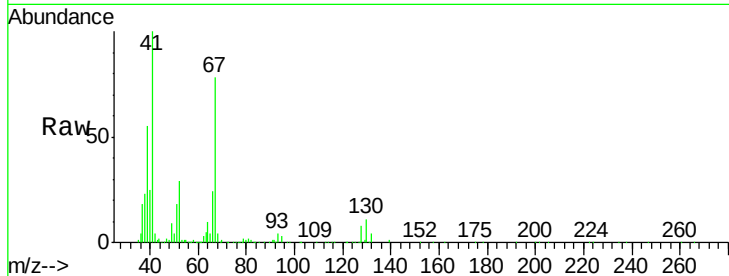
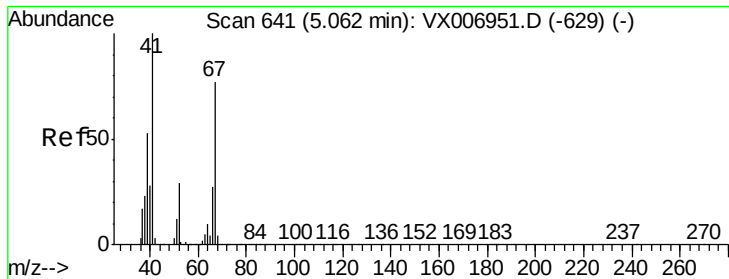
MMDadoda
1/10/2019 10:54:15 AM



#40
Benzene
Concen: 18.866 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

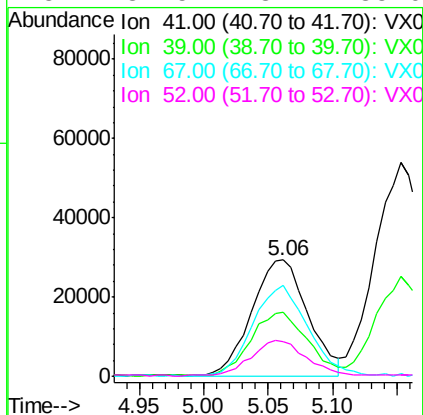
Tgt Ion	78	Resp	448789
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41
Methacrylonitrile
Concen: 18.209 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

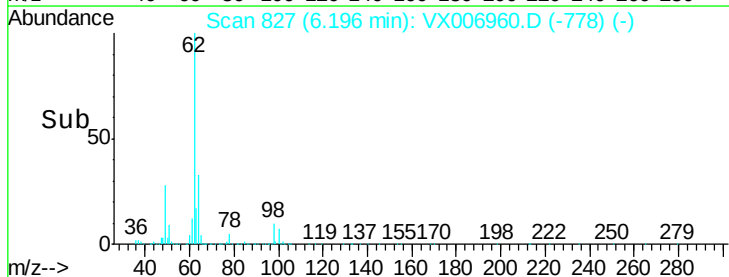
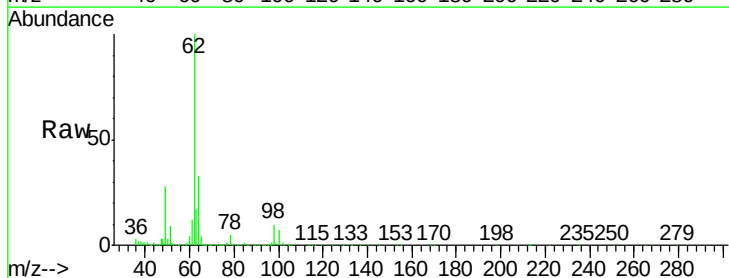
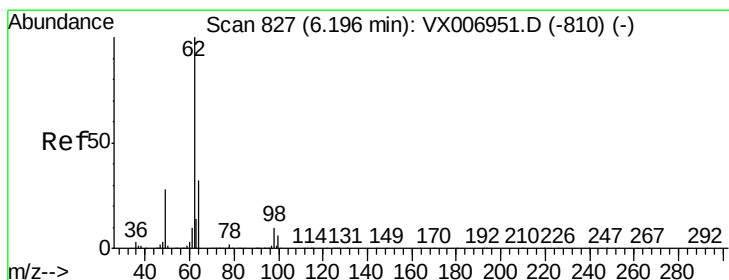
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	42.8	64.2	
67	77.9	62.1	93.1	
52	31.5	23.4	35.0	



Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

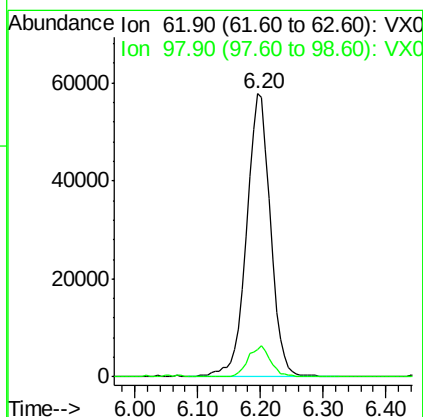
Manual Integrations
APPROVED

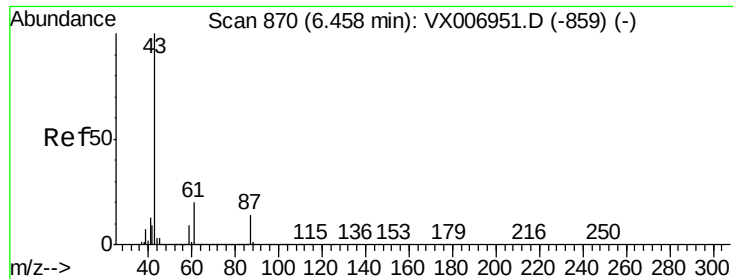
MMDadoda
1/10/2019 10:54:15 AM



#42
1,2-Dichloroethane
Concen: 18.598 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.230 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

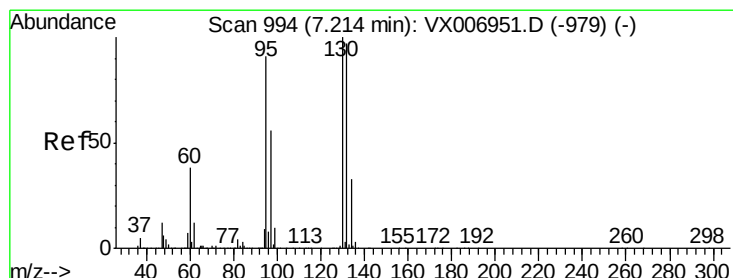
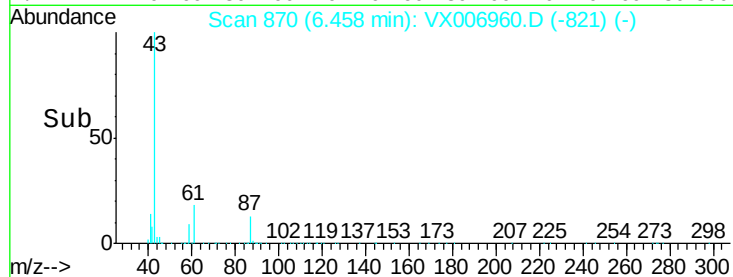
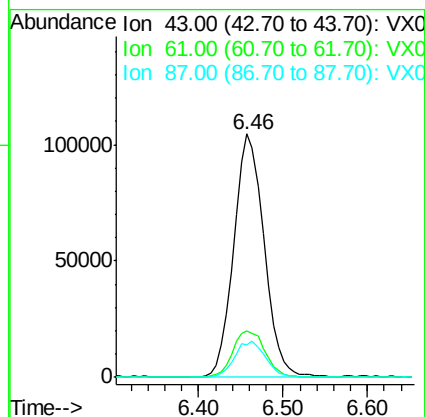
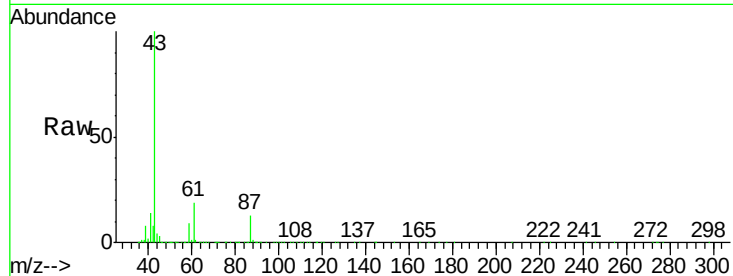
ClientSampleId :

VX0109WBSD01

Tot Ion:	43	Resp:	253526
Ion Ratio		Lower	Upper
43	100		
61	20.8	16.8	25.2
87	15.3	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#44

Trichloroethene

Concen: 18.403 ug/l

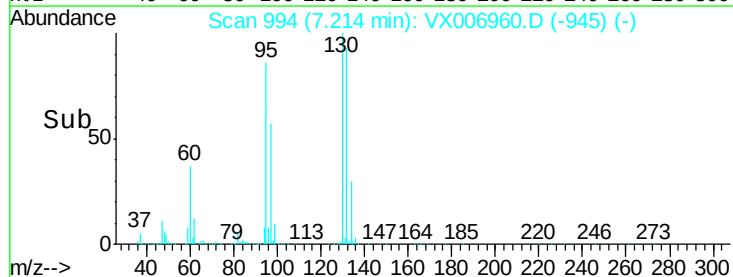
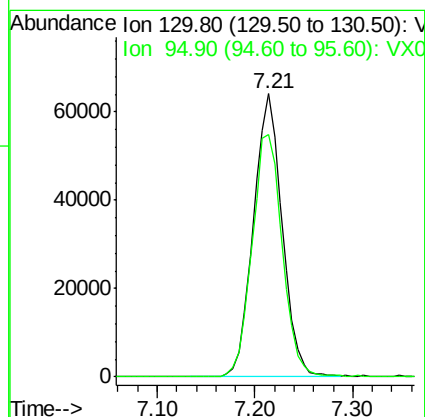
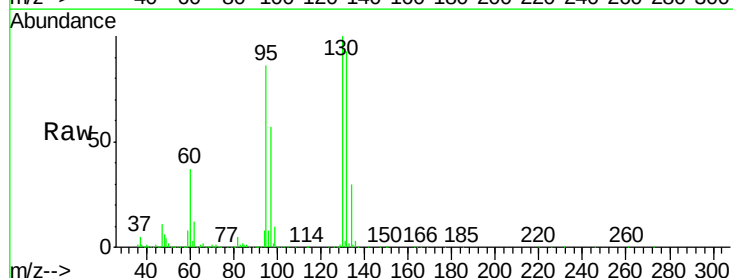
RT: 7.21 min Scan# 994

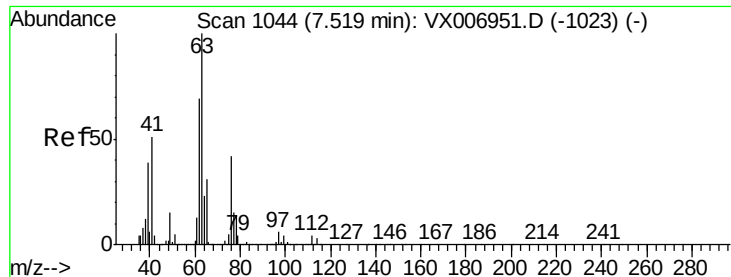
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	130	Resp:	131184
Ion Ratio		Lower	Upper
130	100		
95	85.6	0.0	187.0





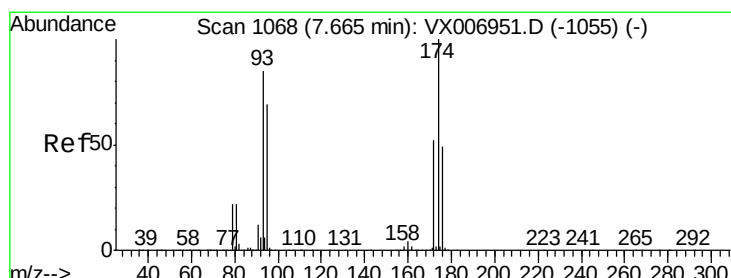
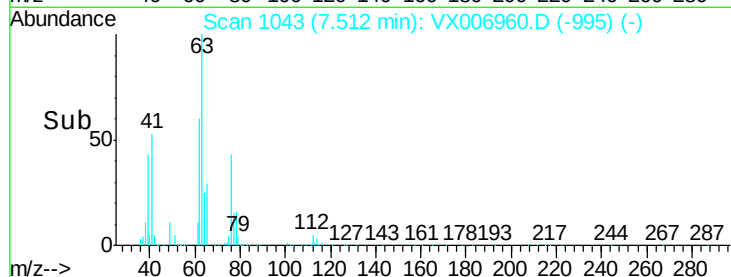
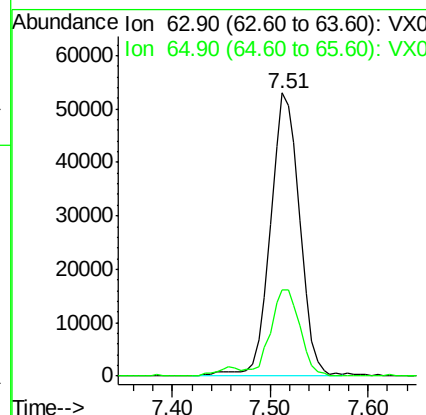
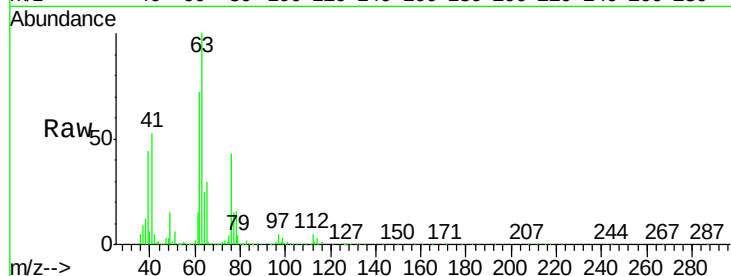
#45
 1,2-Dichloropropane
 Concen: 18.610 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.4	38.0

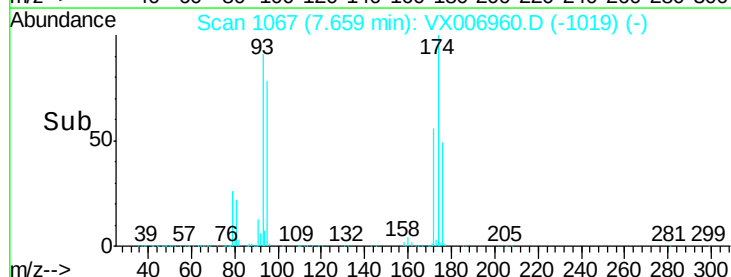
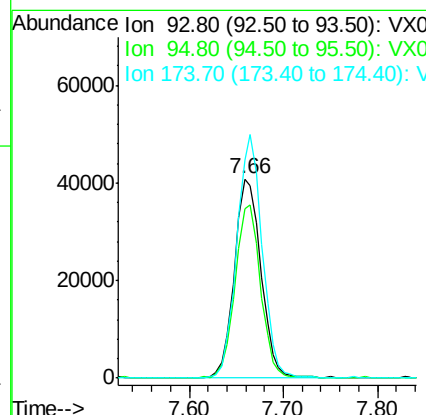
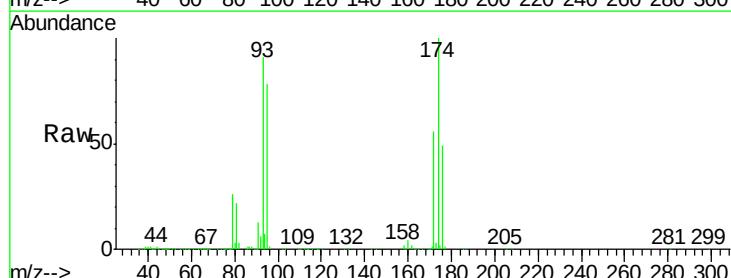
Manual Integrations
 APPROVED

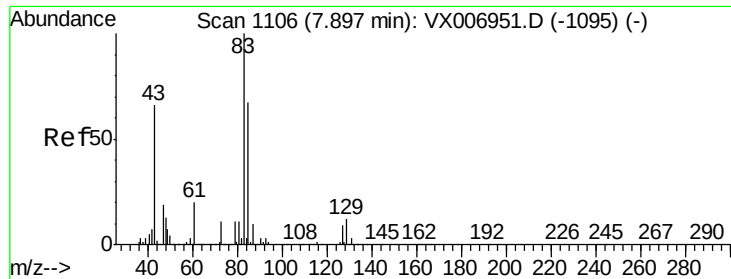
MMDadoda
 1/10/2019 10:54:15 AM



#46
 Dibromomethane
 Concen: 19.147 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.2	99.4
174	116.2	91.0	136.4





#47

Bromodichloromethane

Concen: 18.415 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

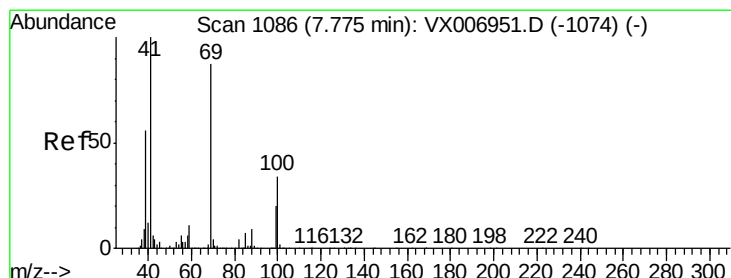
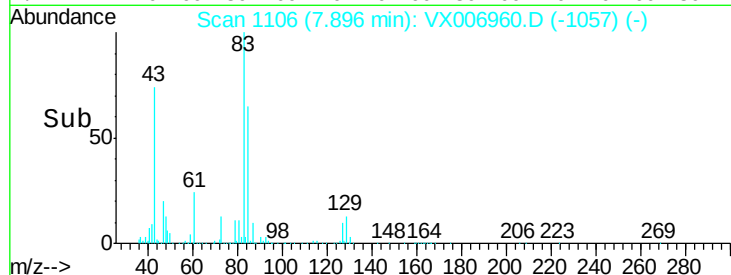
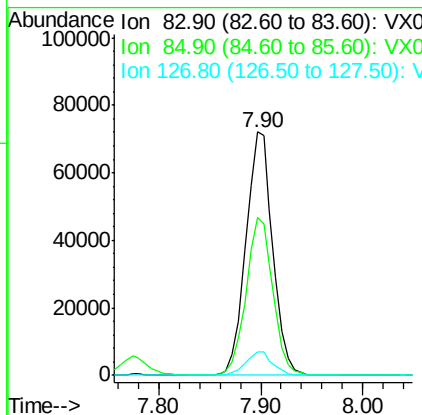
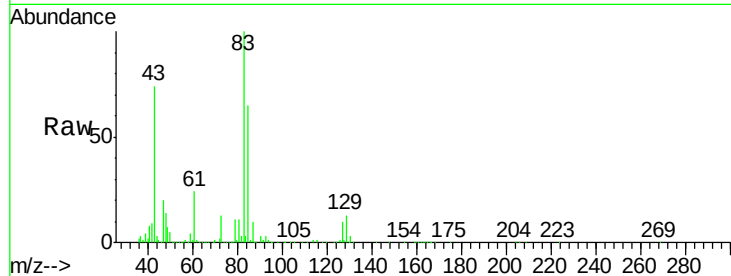
ClientSampleId :

VX0109WBSD01

Tot Ion:	83	Resp:	131742
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.2	79.8
127	9.7	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#48

Methyl methacrylate

Concen: 18.821 ug/l

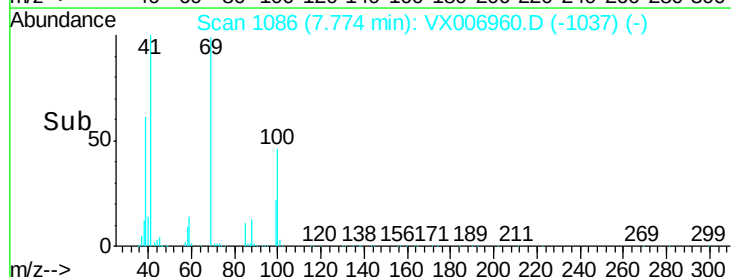
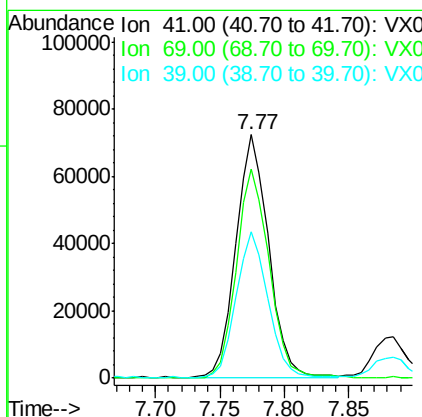
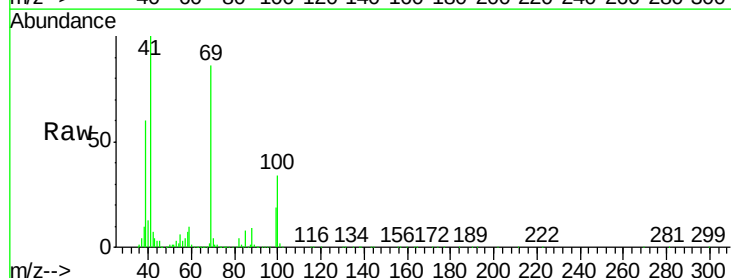
RT: 7.77 min Scan# 1086

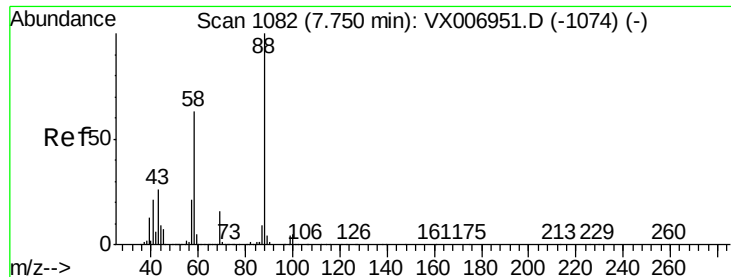
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	41	Resp:	127426
Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.4	108.6
39	58.1	45.8	68.8





#49

1,4-Dioxane

Concen: 390.827 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

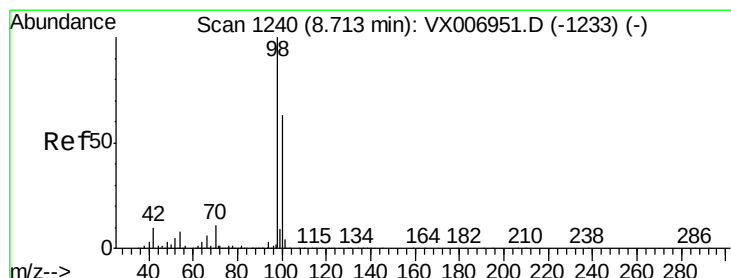
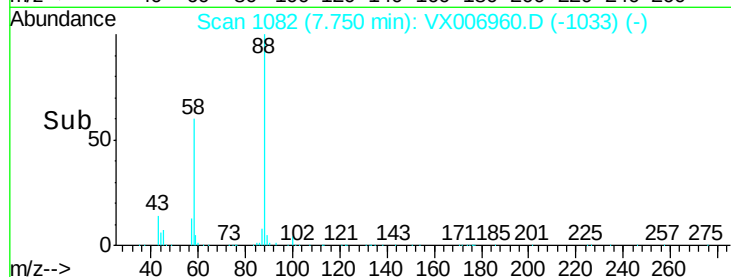
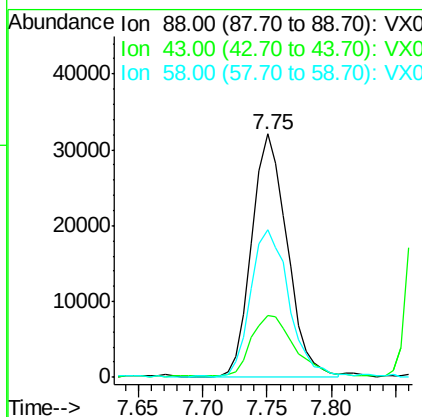
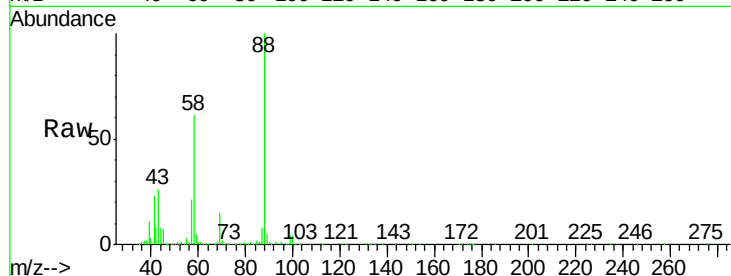
ClientSampleId :

VX0109WBSD01

Tot Ion:	88	Resp:	61235
Ion	Ratio	Lower	Upper
88	100		
43	30.2	22.2	33.4
58	65.2	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#50

Toluene-d8

Concen: 47.213 ug/l

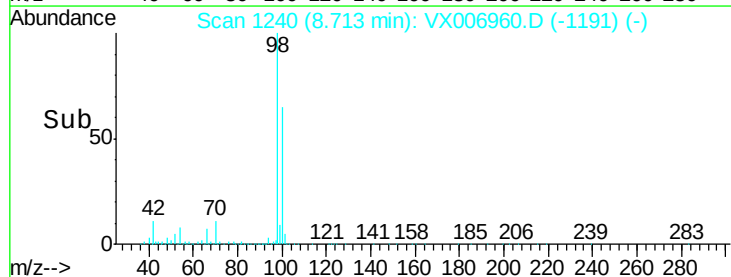
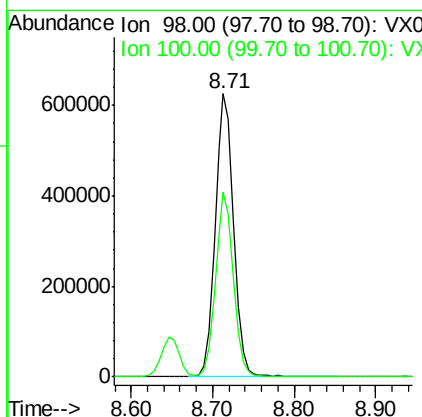
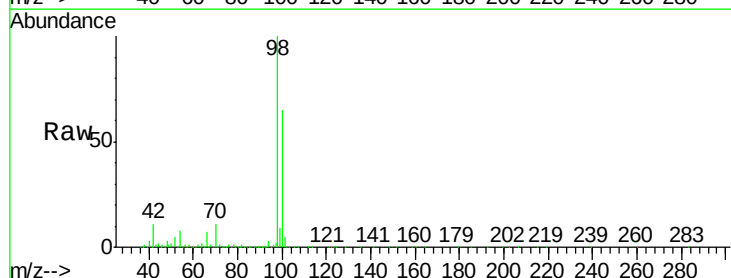
RT: 8.71 min Scan# 1240

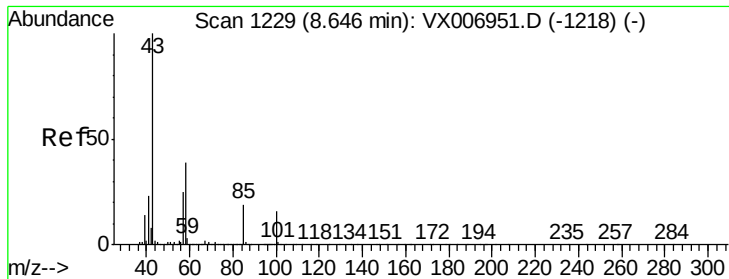
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	98	Resp:	992356
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 96.828 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 43 Resp: 820380

Ion Ratio Lower Upper

43 100

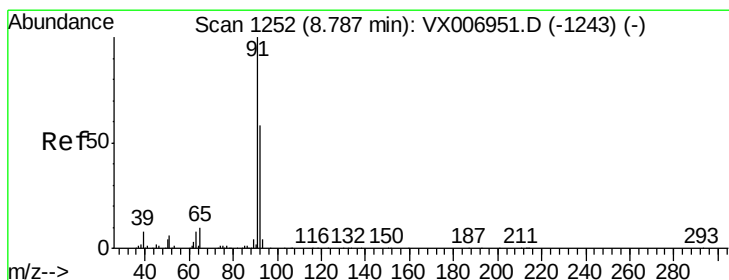
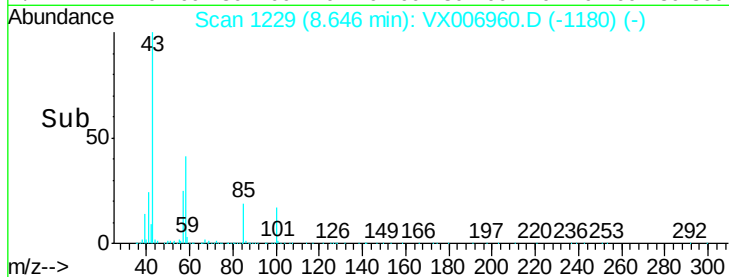
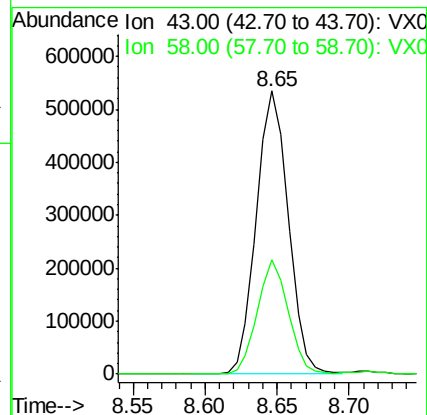
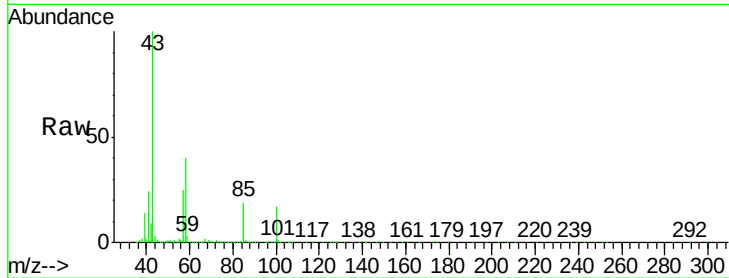
58 39.1 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

1/10/2019 10:54:15 AM



#52

Toluene

Concen: 18.455 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006960.D

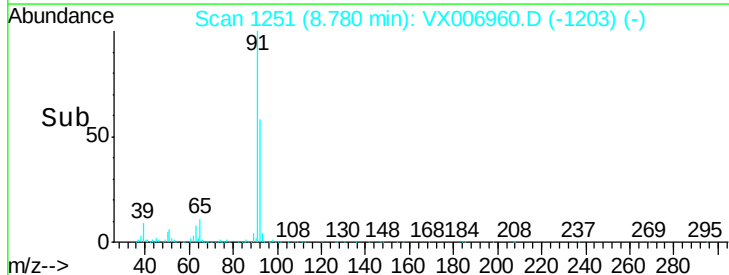
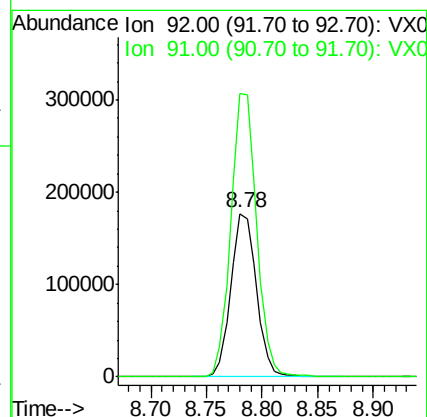
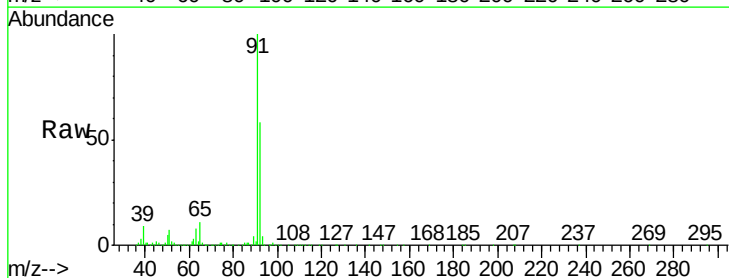
Acq: 09 Jan 2019 12:18

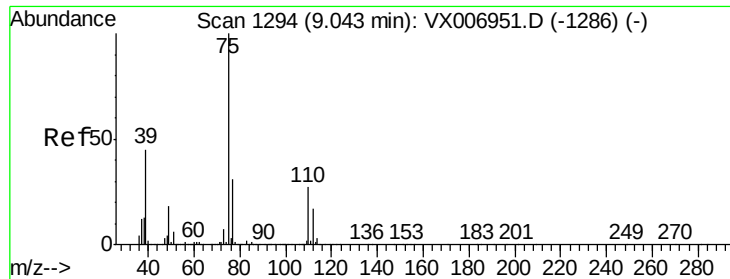
Tgt Ion: 92 Resp: 282159

Ion Ratio Lower Upper

92 100

91 174.1 137.6 206.4





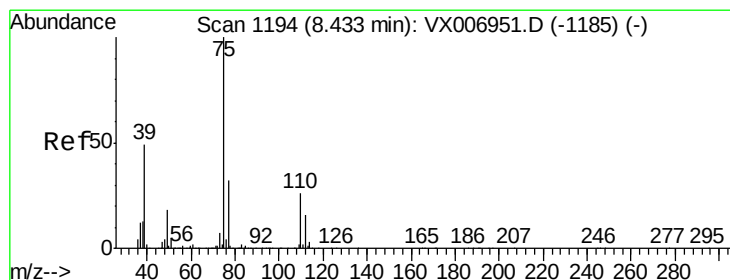
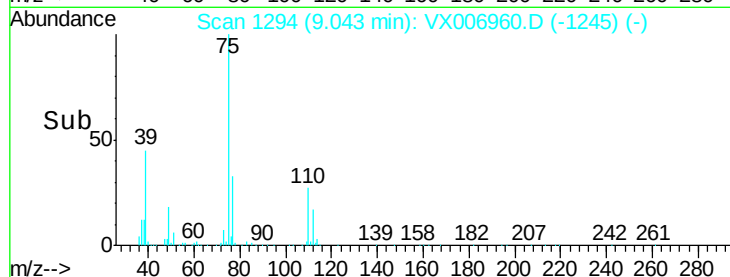
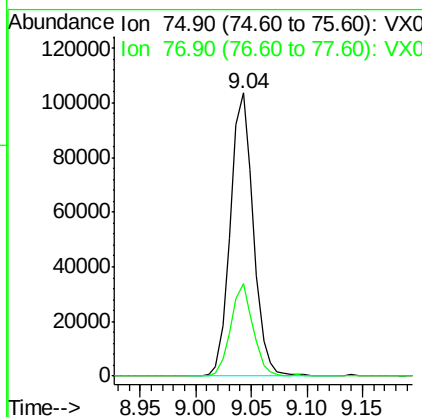
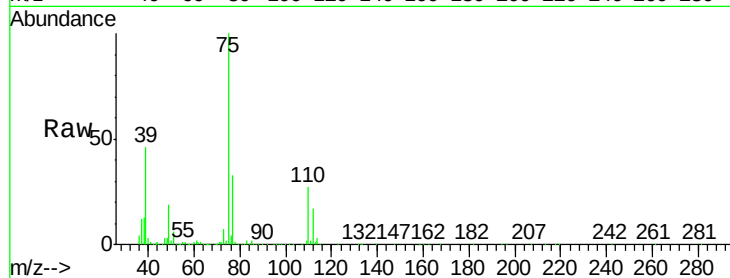
#53
t-1,3-Dichloropropene
Concen: 18.630 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

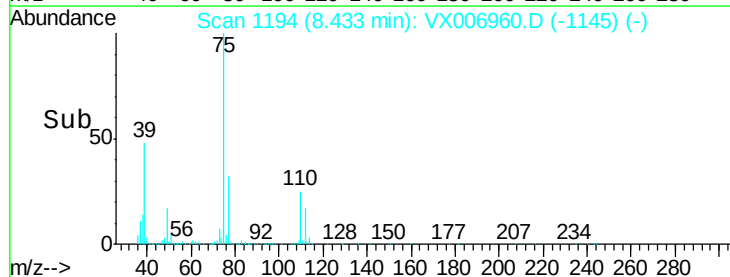
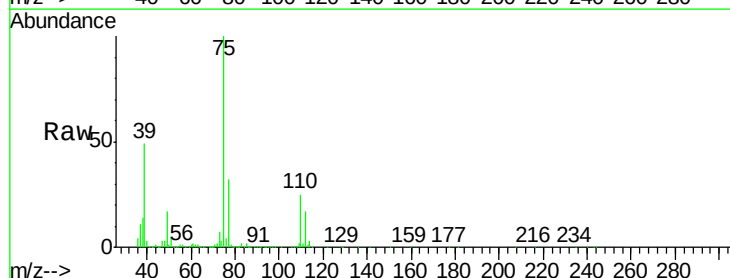
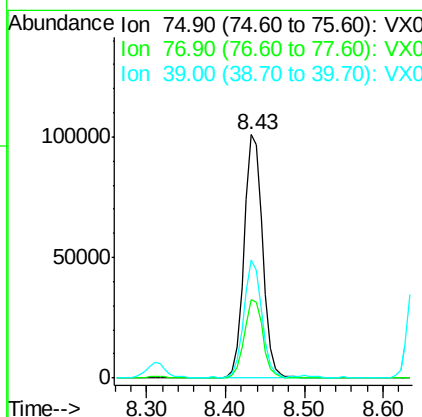
Manual Integrations
APPROVED

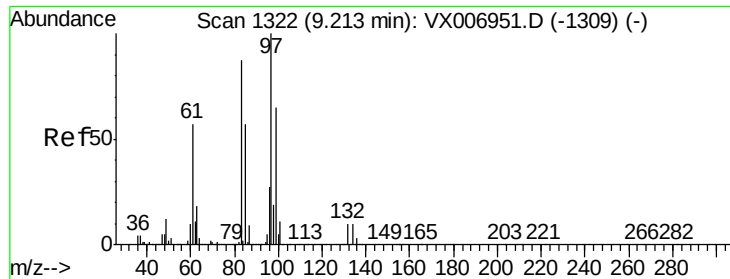
MMDadoda
1/10/2019 10:54:15 AM



#54
cis-1,3-Dichloropropene
Concen: 18.730 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2
39	48.5	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 19.541 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

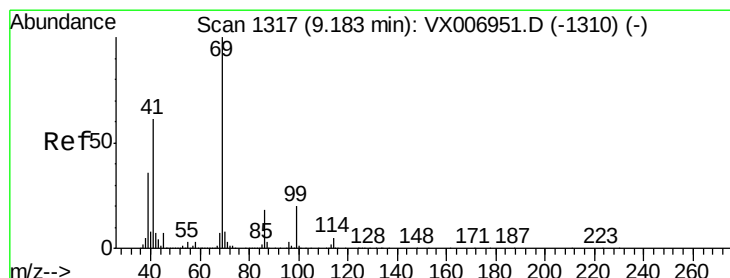
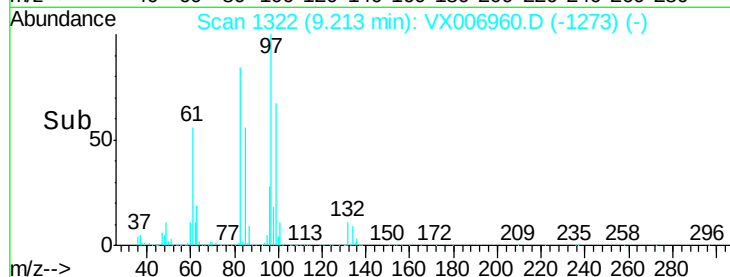
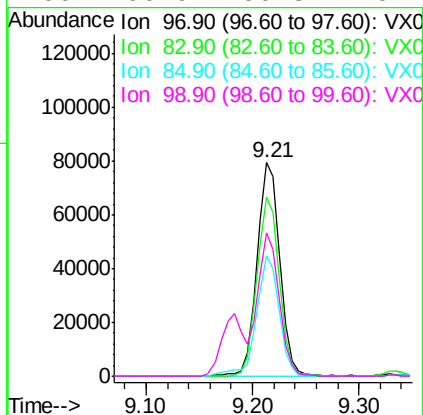
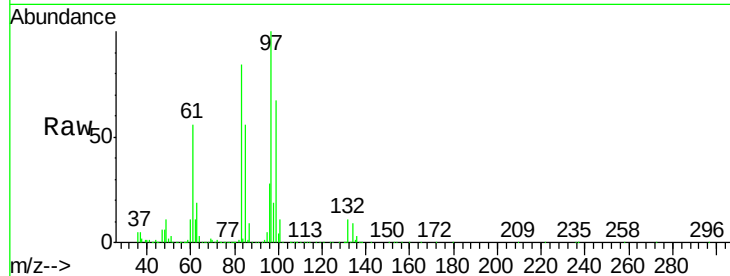
ClientSampleId :

VX0109WBSD01

Tot Ion:	97	Resp:	119585
Ion Ratio	Lower	Upper	
97	100		
83	83.8	66.6	99.8
85	56.0	42.7	64.1
99	66.9	50.8	76.2

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#56

Ethyl methacrylate

Concen: 18.964 ug/l

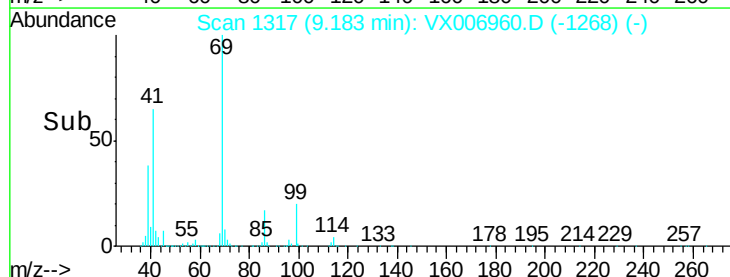
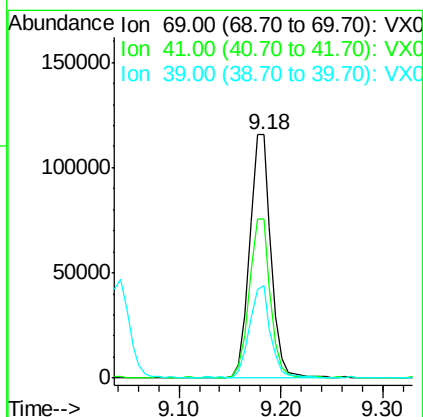
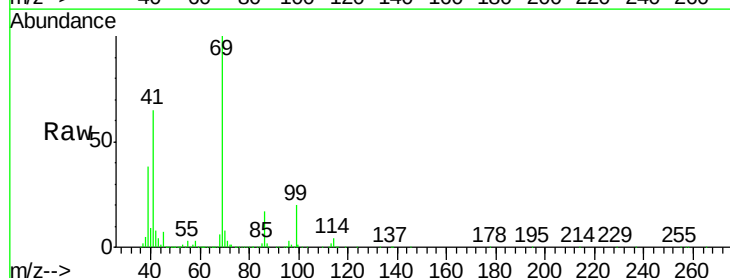
RT: 9.18 min Scan# 1317

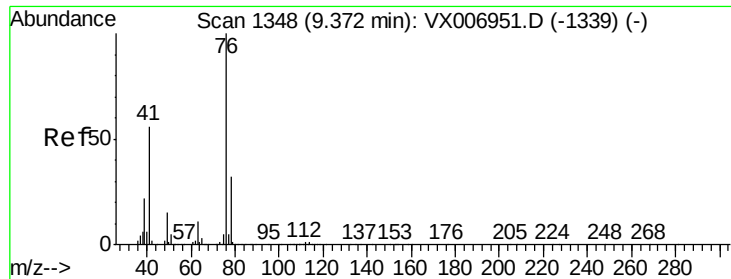
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	69	Resp:	169424
Ion Ratio	Lower	Upper	
69	100		
41	64.4	48.7	73.1
39	36.6	27.0	40.6





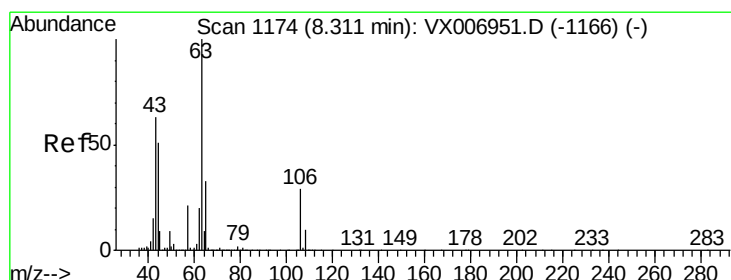
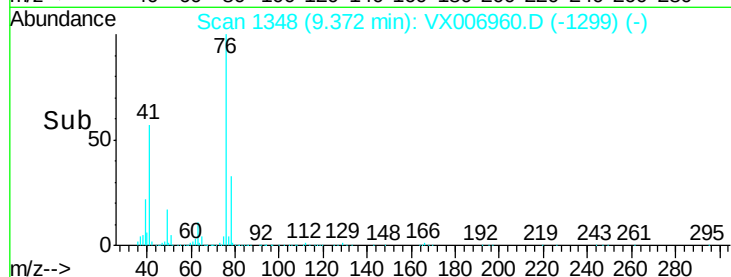
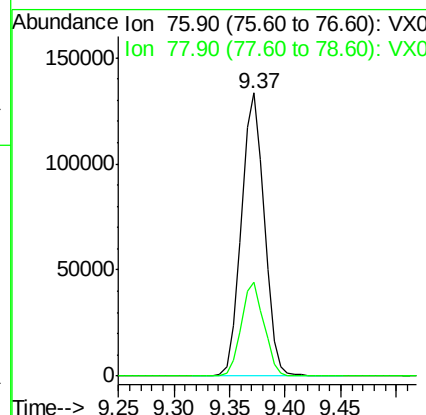
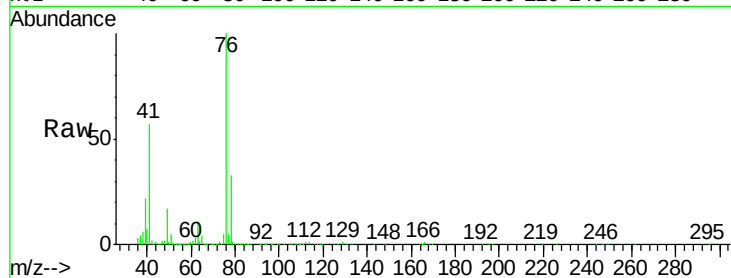
#57
 1,3-Dichloropropane
 Concen: 18.991 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

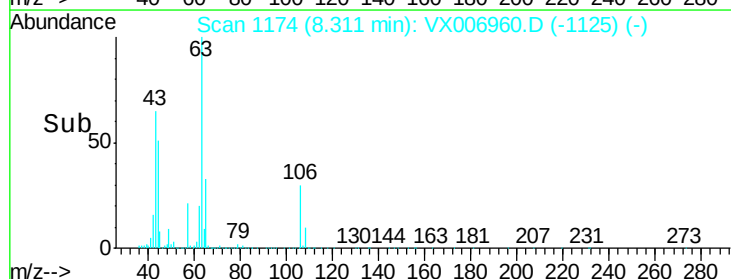
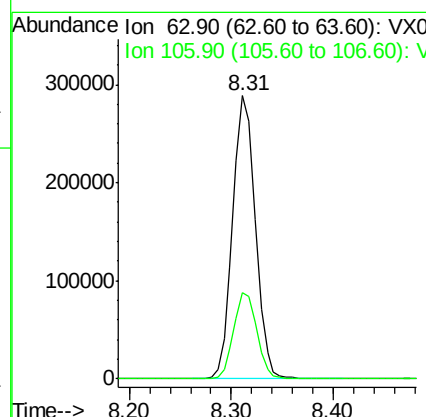
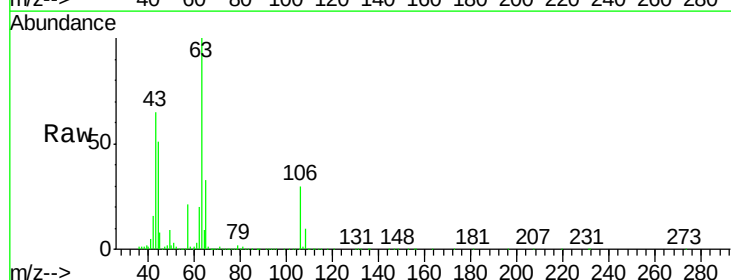
Manual Integrations
 APPROVED

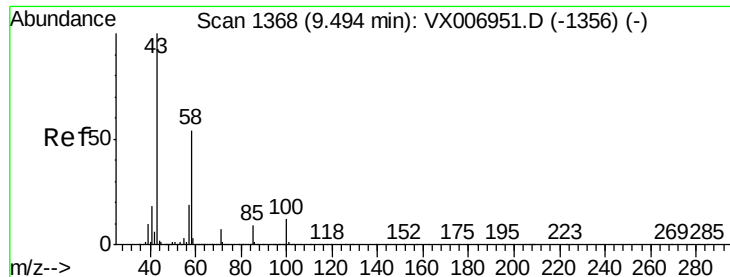
MMDadoda
 1/10/2019 10:54:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.983 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	24.6	36.8





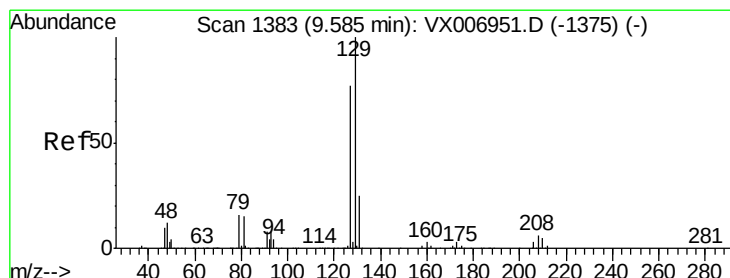
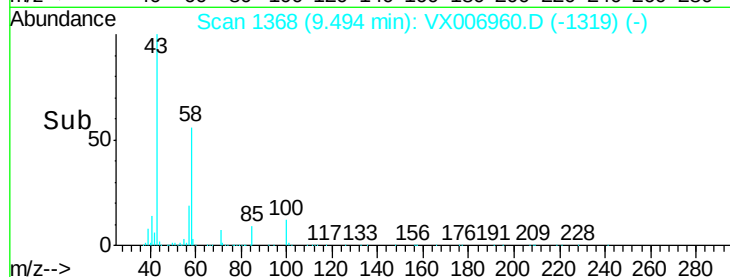
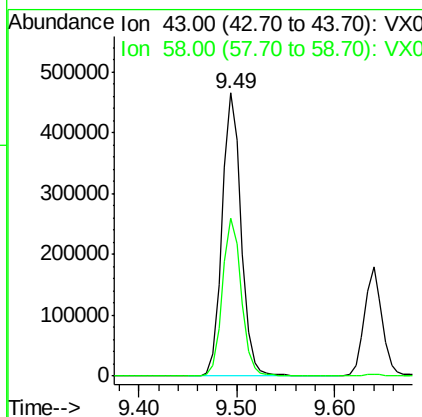
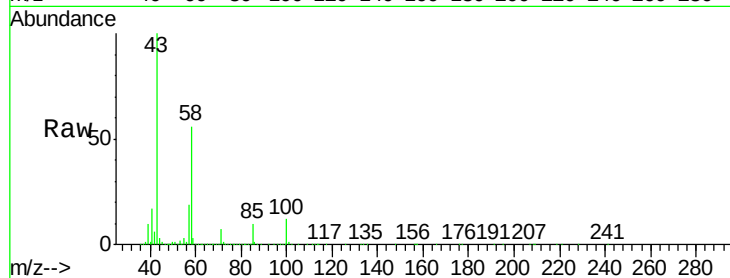
#59
2-Hexanone
Concen: 97.008 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampled :
VX0109WBSD01

Tot Ion: 43 Resp: 626338
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

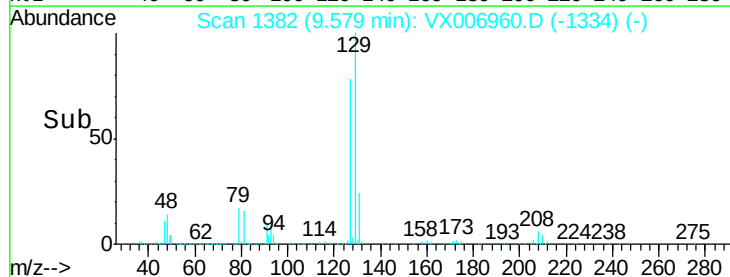
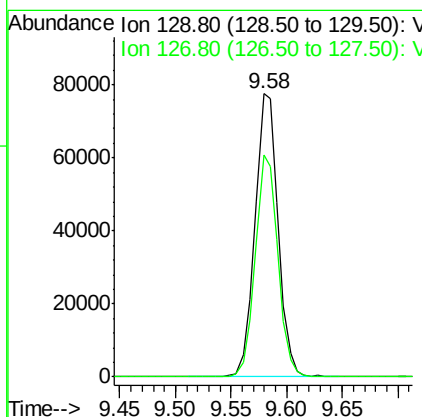
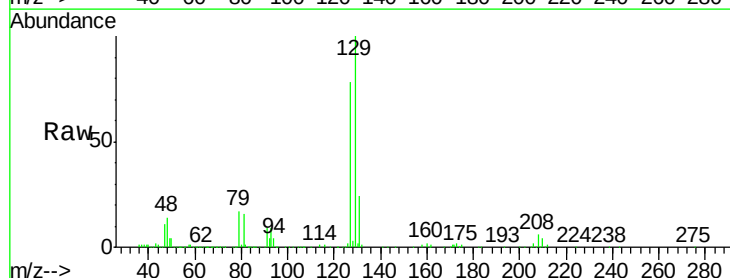
Manual Integrations
APPROVED

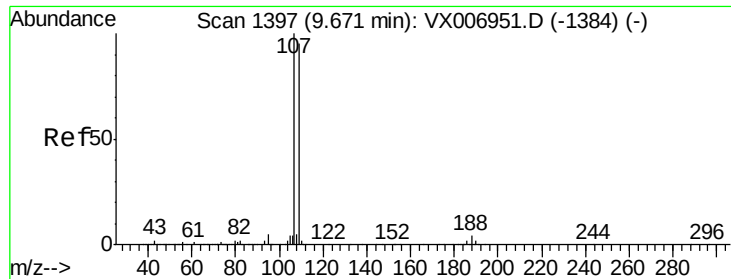
MMDadoda
1/10/2019 10:54:15 AM



#60
Dibromochloromethane
Concen: 18.956 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion: 129 Resp: 112646
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.014 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 107 Resp: 128100

Ion Ratio Lower Upper

107 100

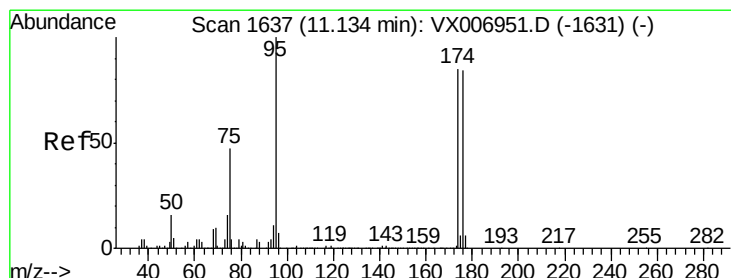
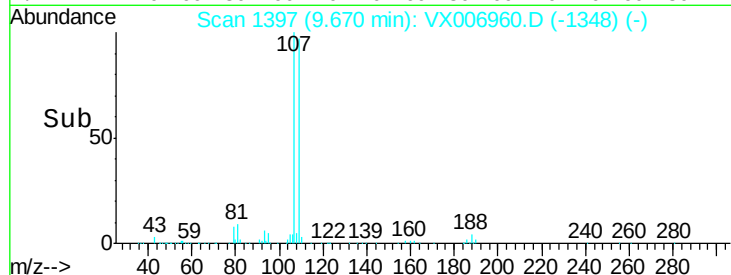
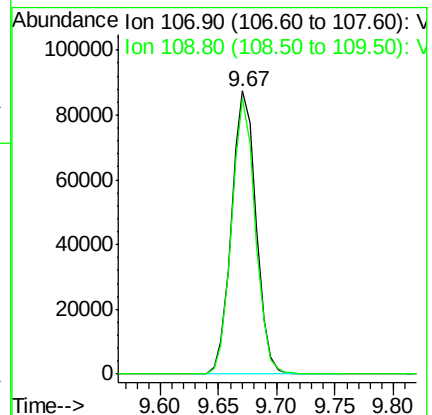
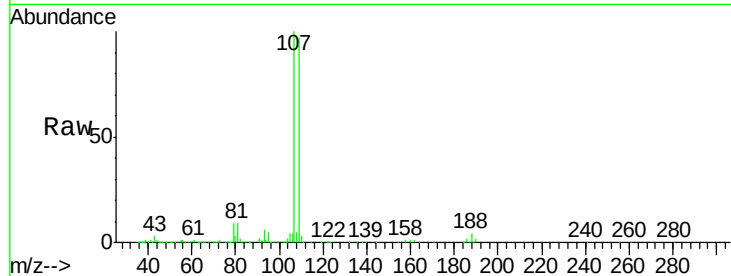
109 94.2 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

1/10/2019 10:54:15 AM



#62

4-Bromofluorobenzene

Concen: 47.289 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

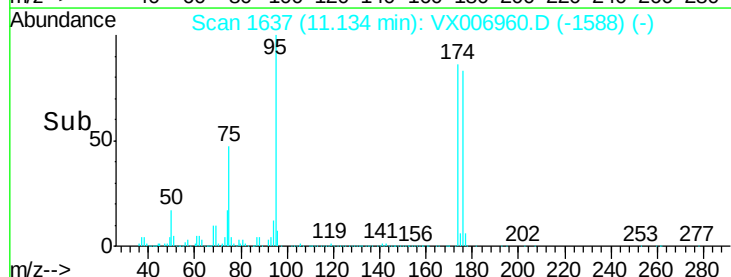
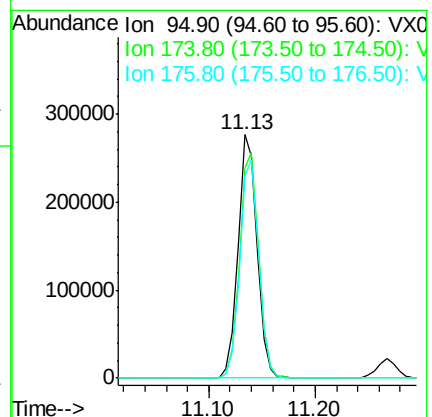
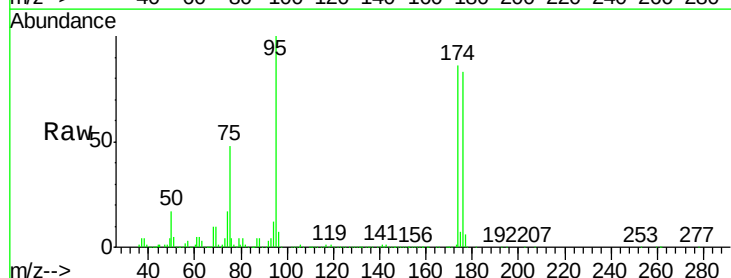
Tgt Ion: 95 Resp: 346518

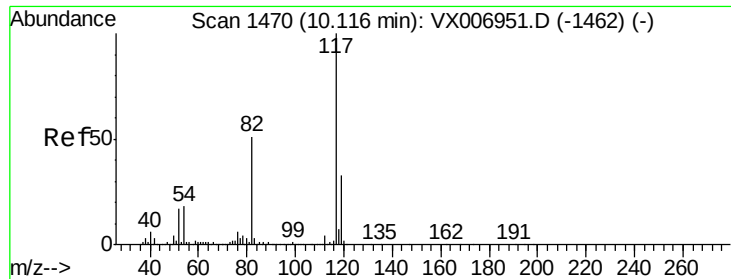
Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.2

176 89.9 0.0 178.8





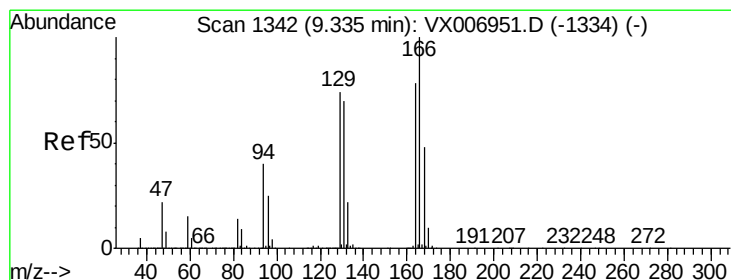
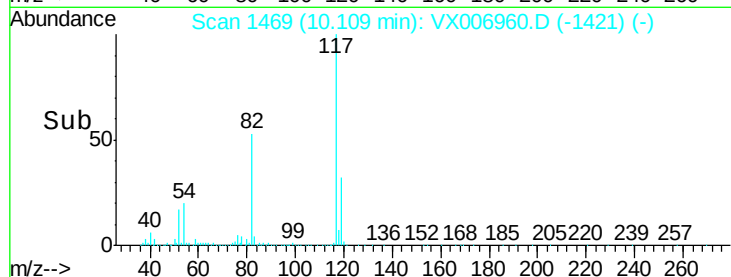
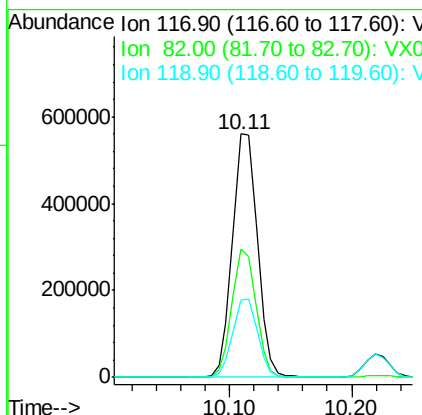
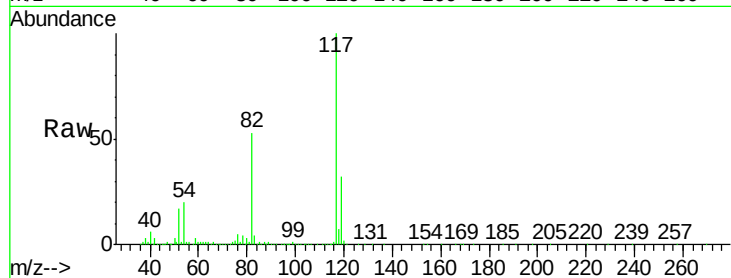
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.0	61.6
119	31.7	25.4	38.0

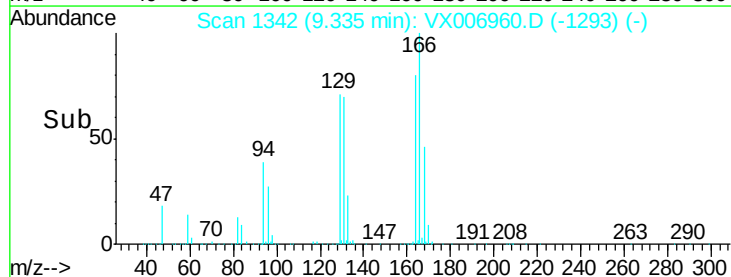
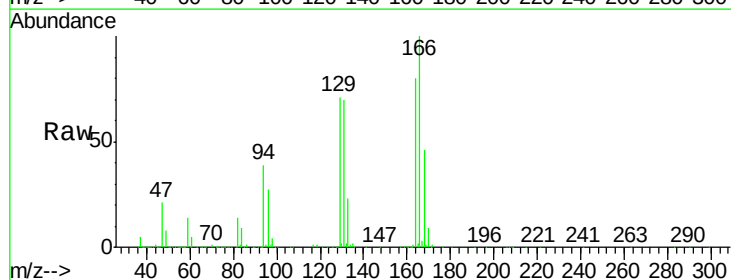
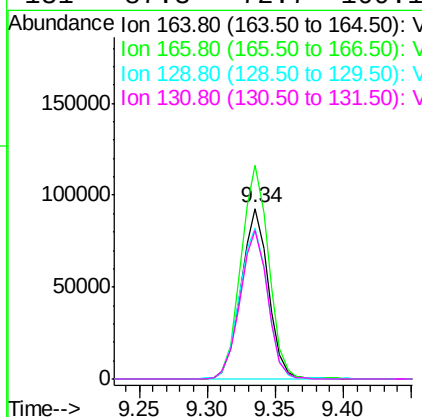
Manual Integrations
APPROVED

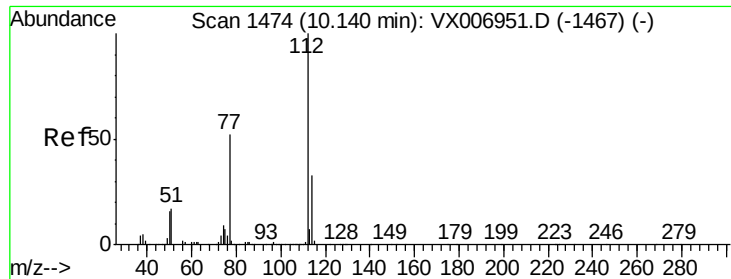
MMDadoda
1/10/2019 10:54:15 AM



#64
Tetrachloroethene
Concen: 18.987 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.5	153.7
129	89.0	75.1	112.7
131	87.3	72.7	109.1





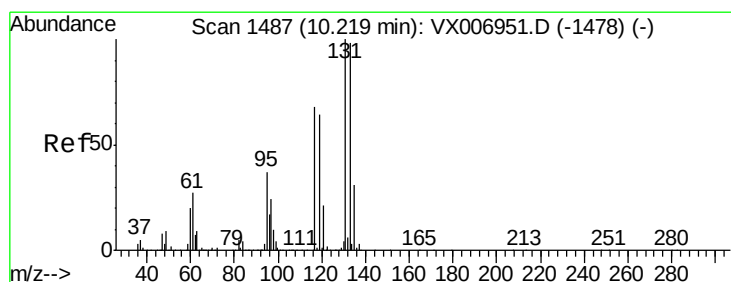
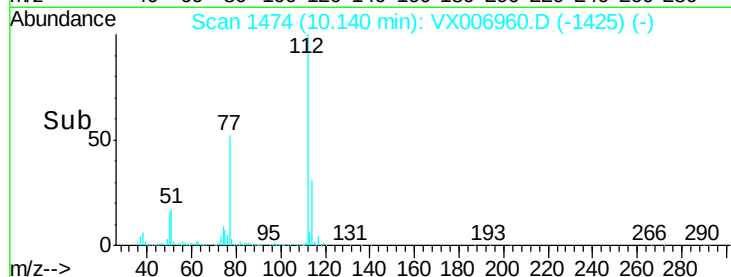
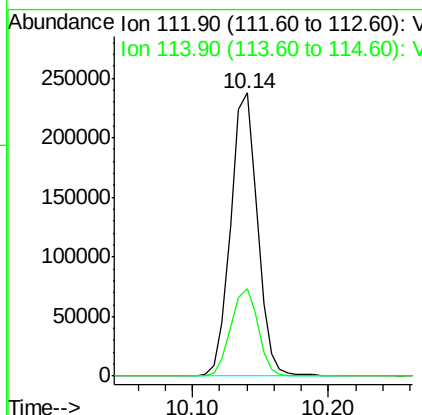
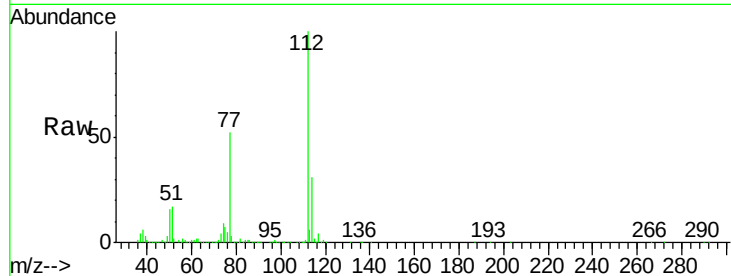
#65
Chlorobenzene
Concen: 18.923 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion:112 Resp: 327177
Ion Ratio Lower Upper
112 100
114 31.0 25.7 38.5

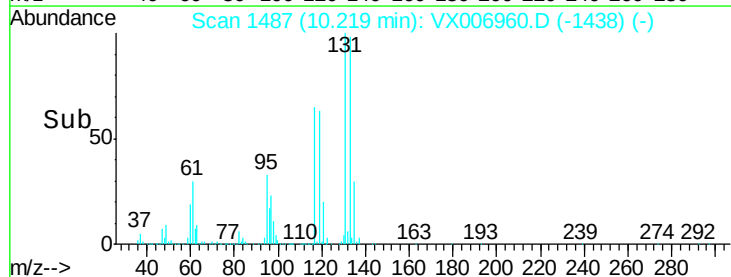
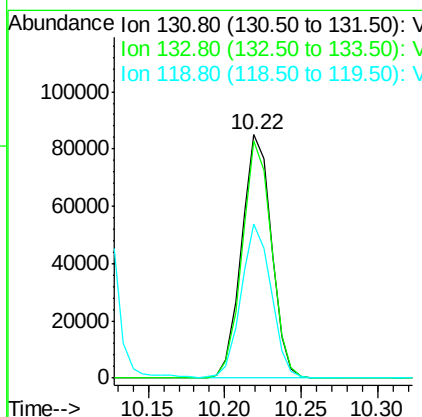
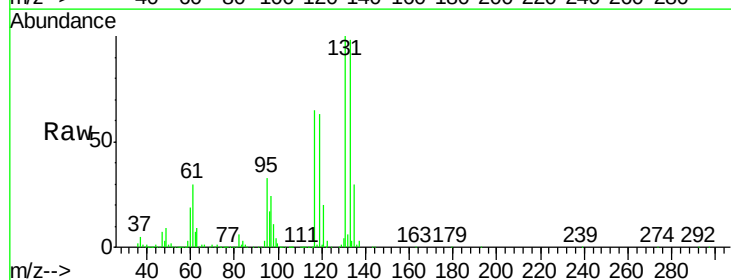
Manual Integrations
APPROVED

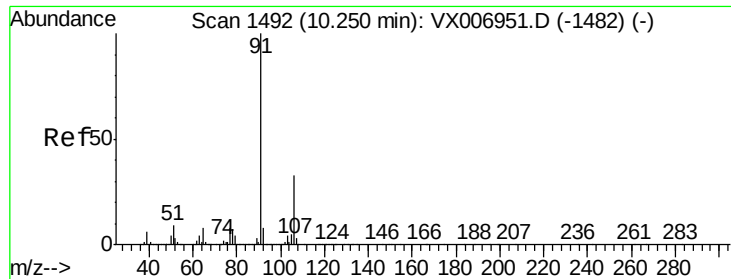
MMDadoda
1/10/2019 10:54:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.870 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion:131 Resp: 115569
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.2
119 63.2 32.6 97.8





#67

Ethyl Benzene

Concen: 18.714 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampled :

VX0109WBSD01

Tot Ion: 91 Resp: 534158

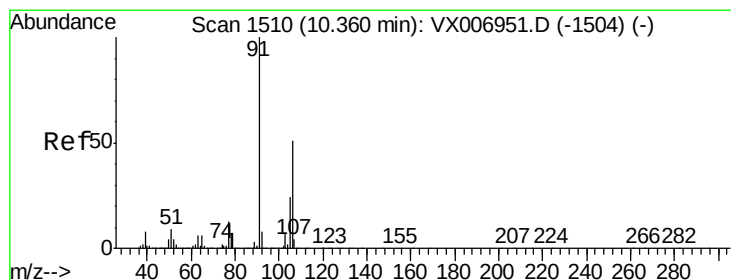
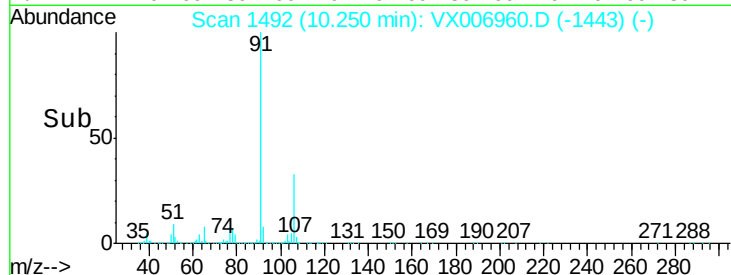
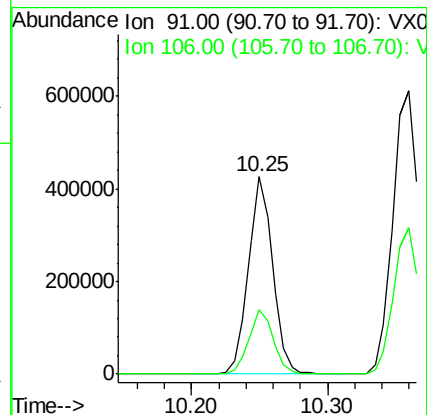
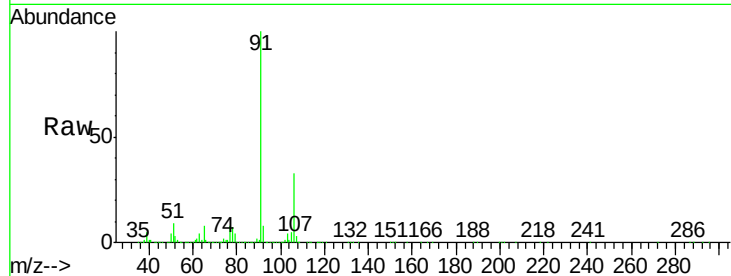
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#68

m/p-Xylenes

Concen: 37.188 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006960.D

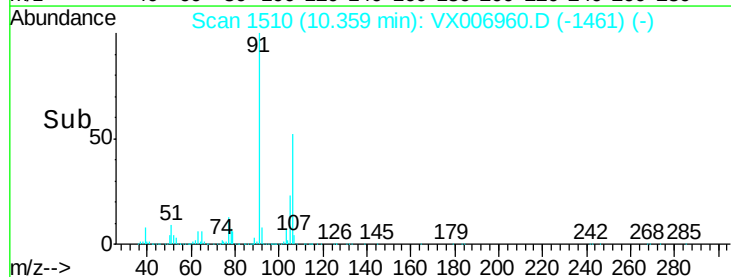
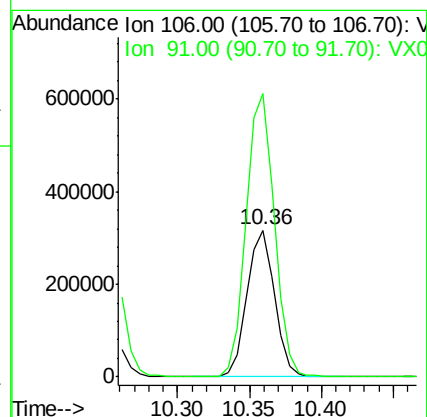
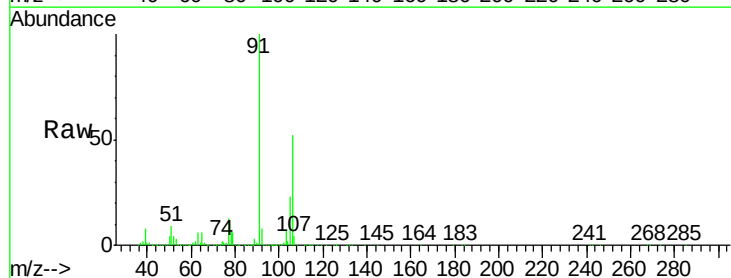
Acq: 09 Jan 2019 12:18

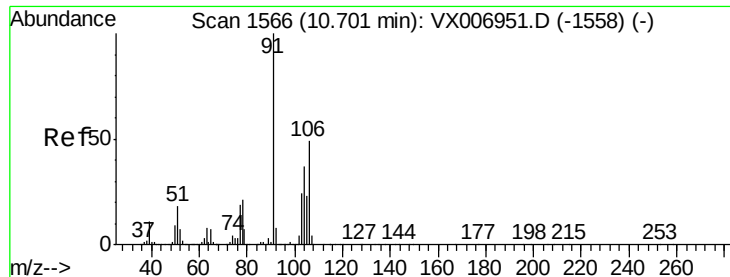
Tgt Ion: 106 Resp: 418208

Ion Ratio Lower Upper

106 100

91 198.5 155.8 233.6





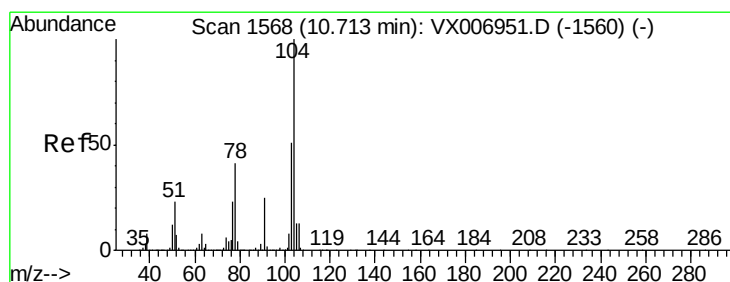
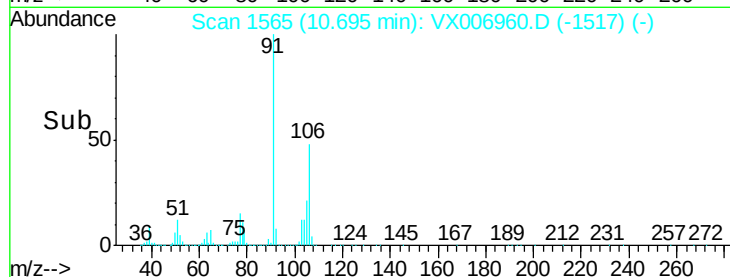
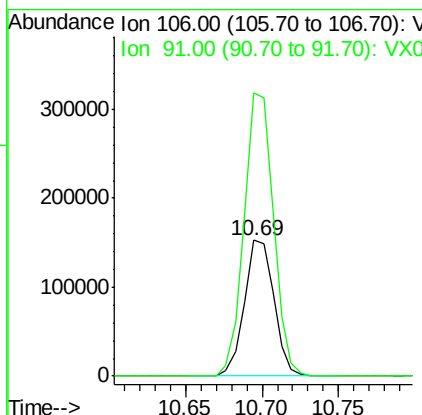
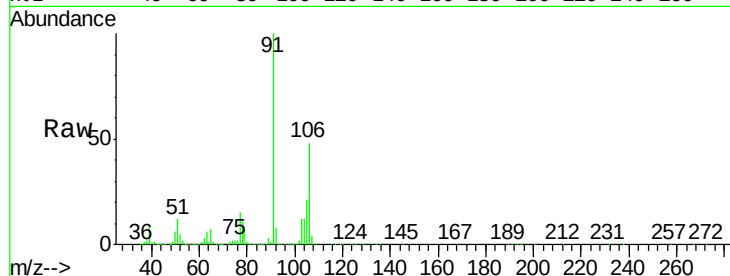
#69
o-Xylene
Concen: 18.770 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
205861	106	100		
	91	207.0	101.3	303.7

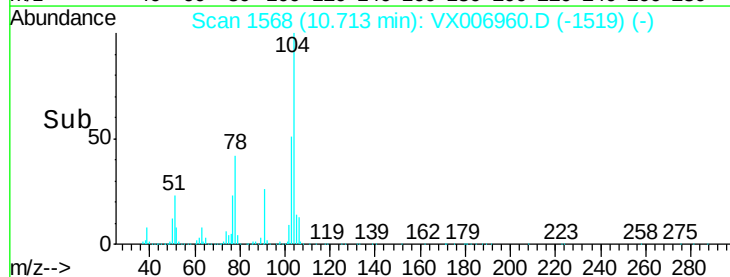
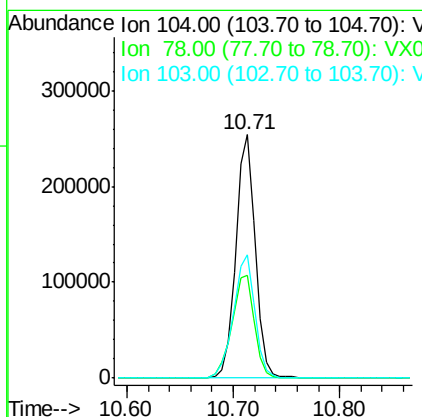
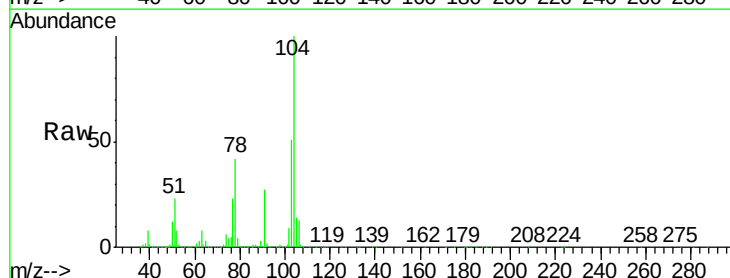
Manual Integrations
APPROVED

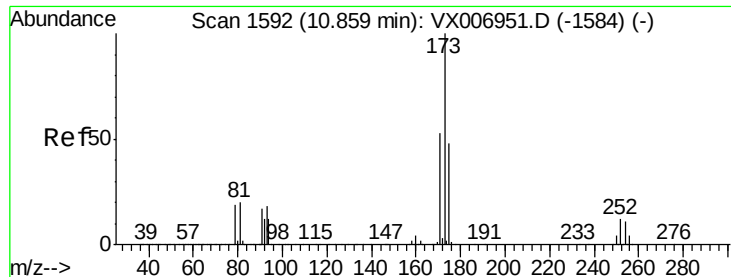
MMDadoda
1/10/2019 10:54:15 AM



#70
Styrene
Concen: 18.795 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
326469	104	100		
	78	48.8	37.7	56.5
	103	55.9	43.8	65.8





#71

Bromoform

Concen: 19.013 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

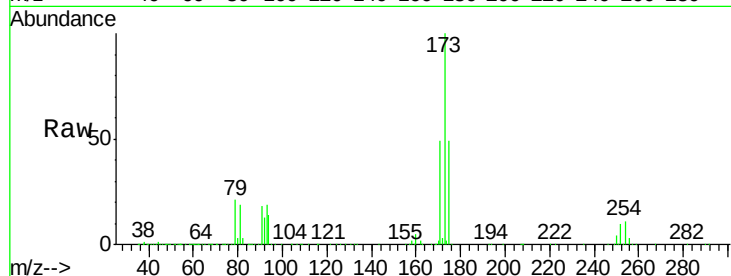
ClientSampleId :

VX0109WBSD01

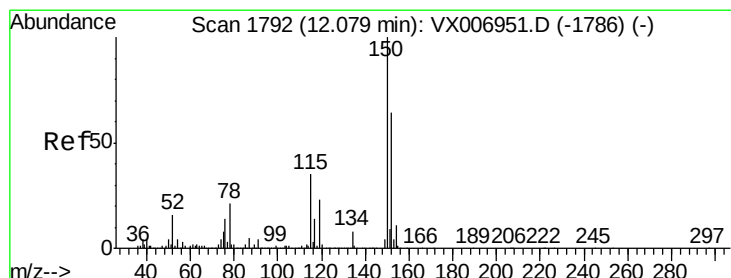
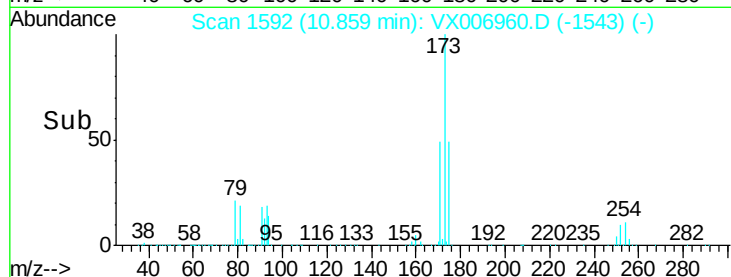
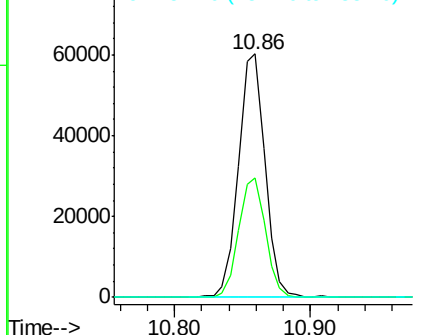
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 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

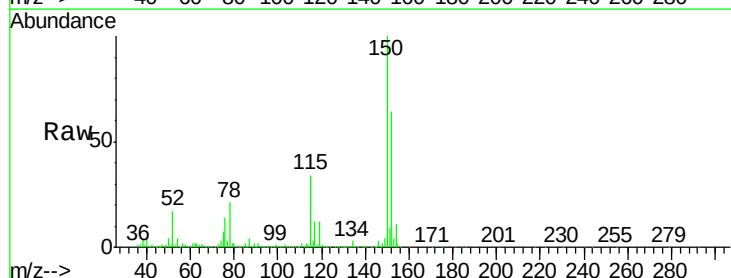
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

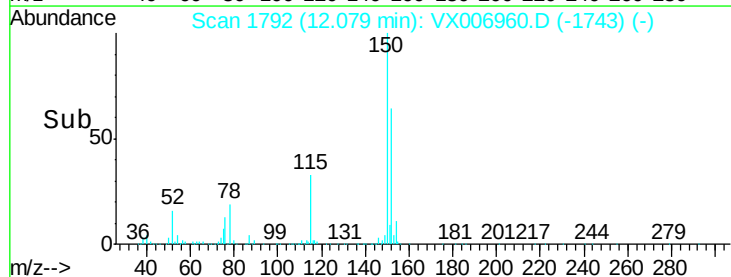
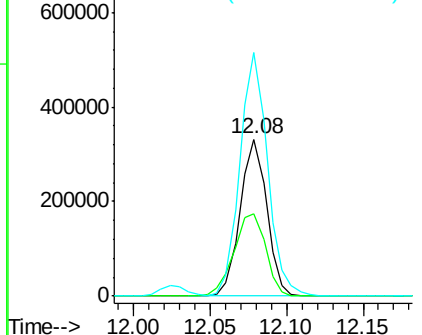
Lab File: VX006960.D

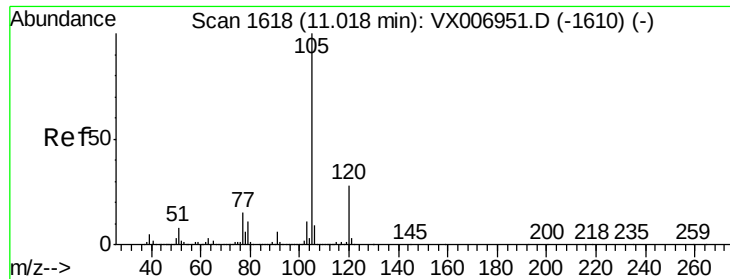
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	39.1	117.2
150	162.3	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: 19.418 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion:105 Resp: 546424

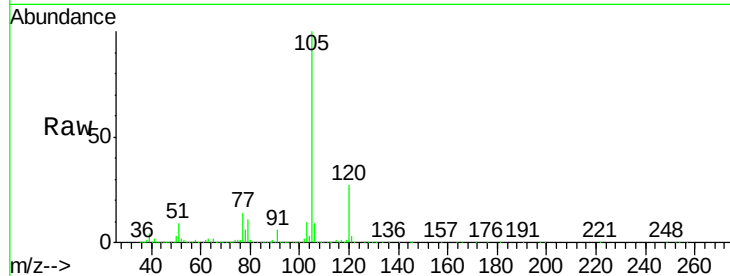
Ion Ratio Lower Upper

105 100

120 27.7 14.1 42.4

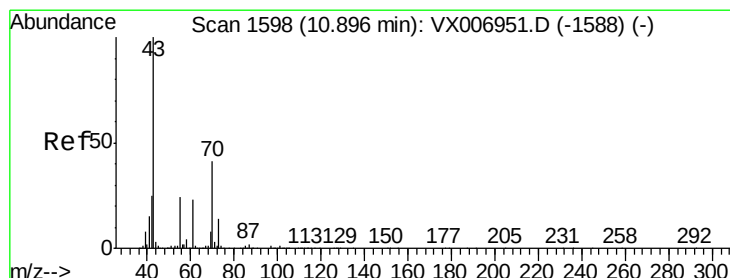
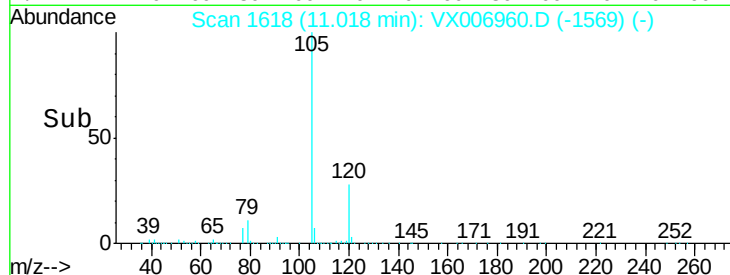
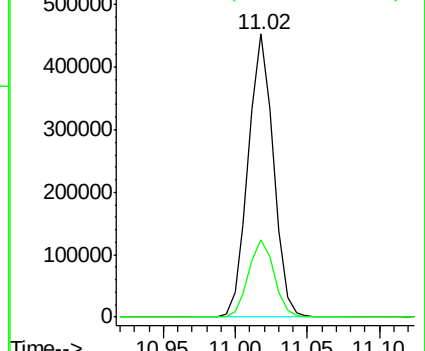
Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 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: 19.054 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion: 43 Resp: 215875

Ion Ratio Lower Upper

43 100

70 42.7 35.8 53.8

55 25.3 19.4 29.0

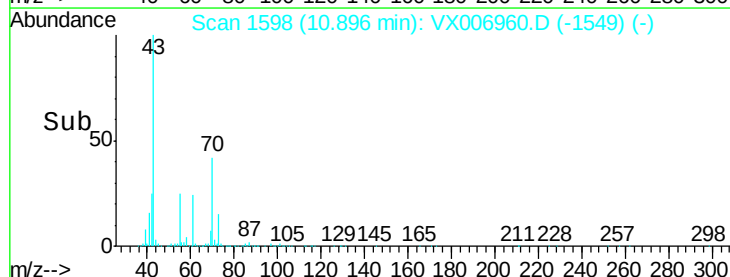
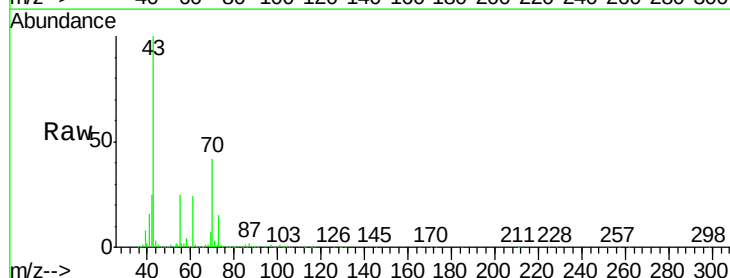
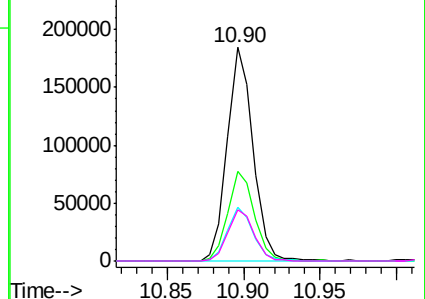
61 24.6 20.1 30.1

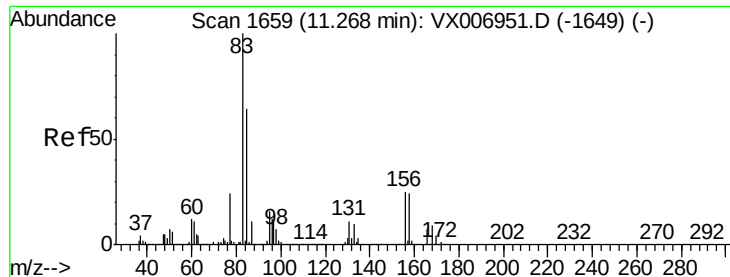
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.297 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 83 Resp: 172390

Ion Ratio Lower Upper

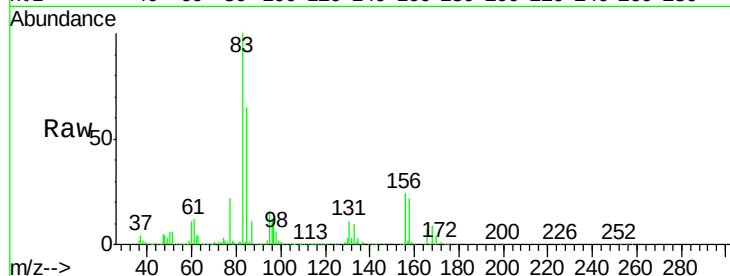
83 100

131 11.1 5.7 17.1

85 64.7 32.2 96.6

Manual Integrations
APPROVED

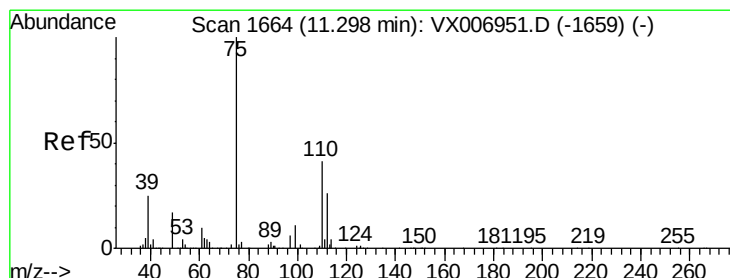
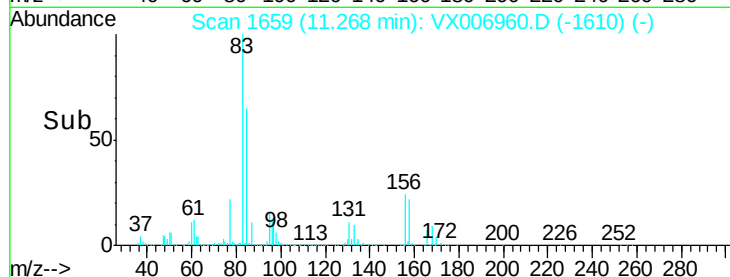
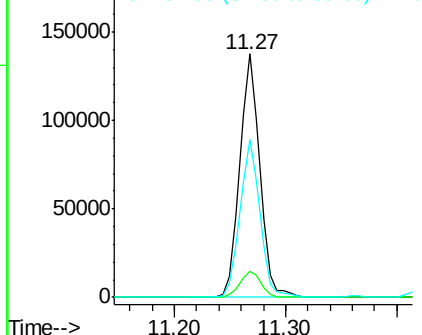
MMDadoda
1/10/2019 10:54:15 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.003 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006960.D

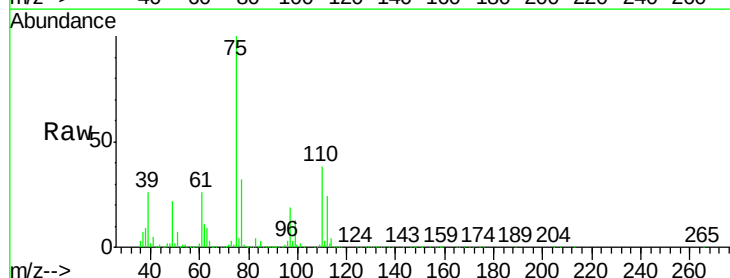
Acq: 09 Jan 2019 12:18

Tgt Ion: 75 Resp: 161763

Ion Ratio Lower Upper

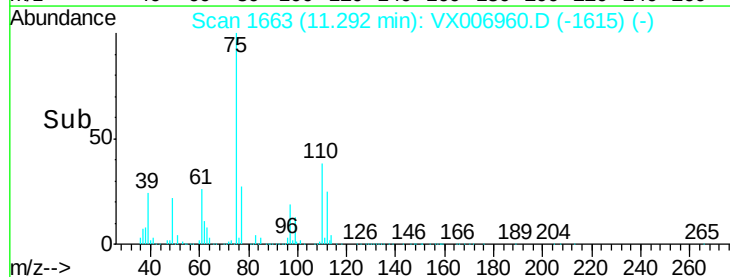
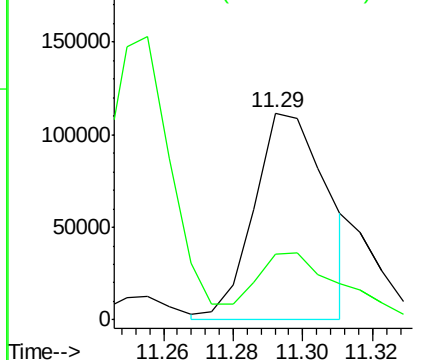
75 100

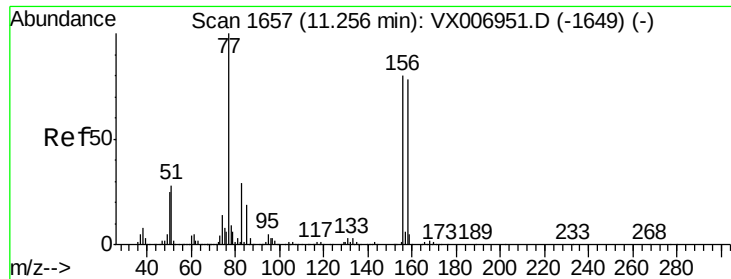
77 37.2 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.413 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

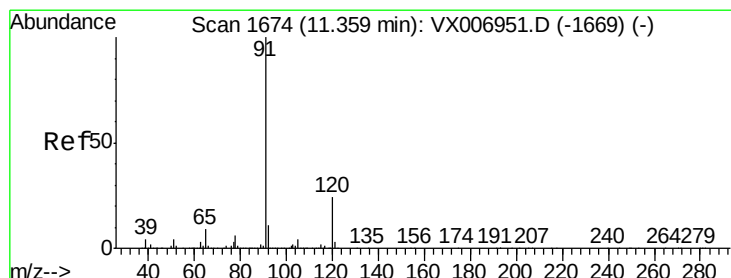
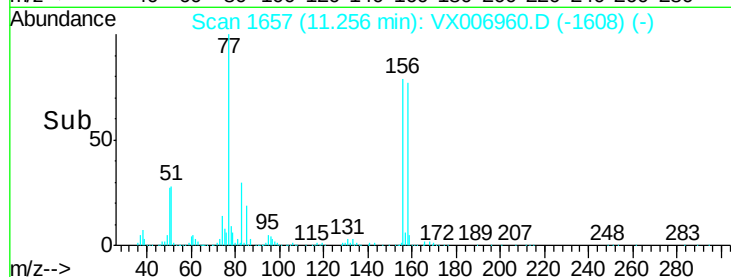
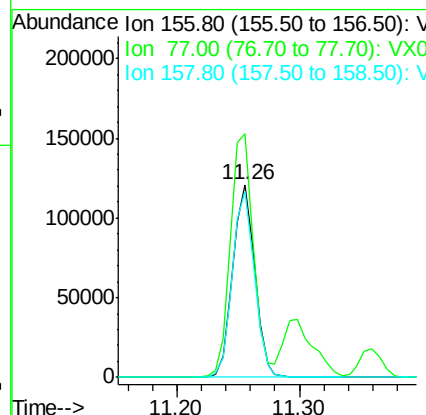
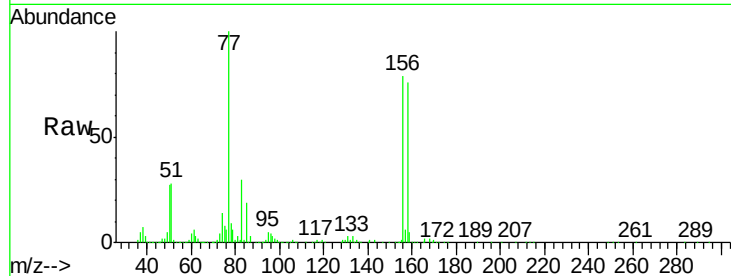
ClientSampleId :

VX0109WBSD01

Tot Ion:	156	Resp:	150520
Ion Ratio	Lower	Upper	
156	100		
77	132.4	68.0	204.0
158	96.4	48.3	144.8

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#78

n-propylbenzene

Concen: 19.400 ug/l

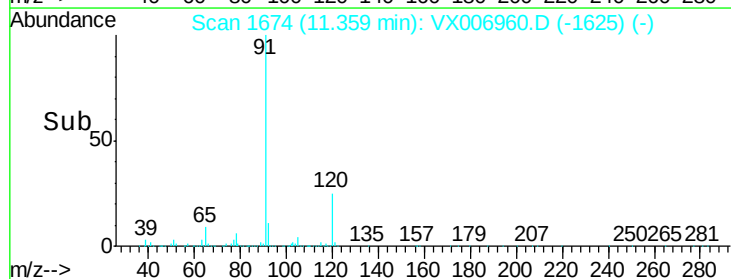
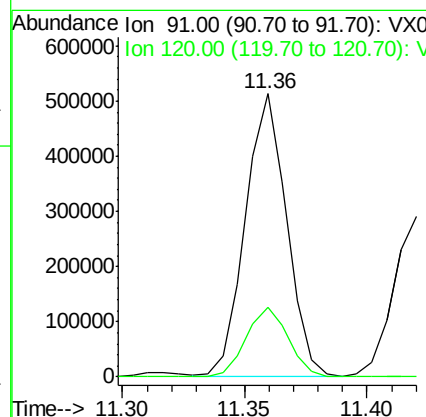
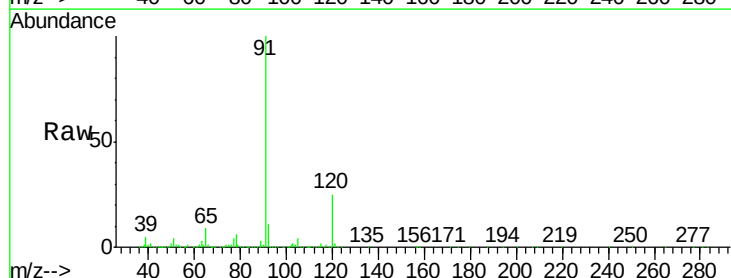
RT: 11.36 min Scan# 1674

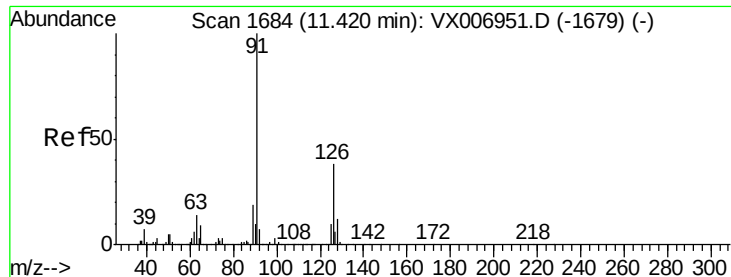
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	91	Resp:	599284
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.080 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 91 Resp: 354801

Ion Ratio Lower Upper

91 100

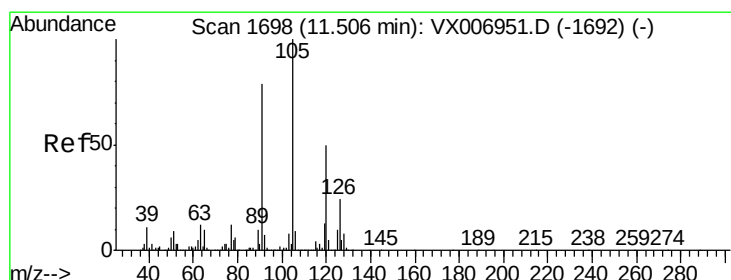
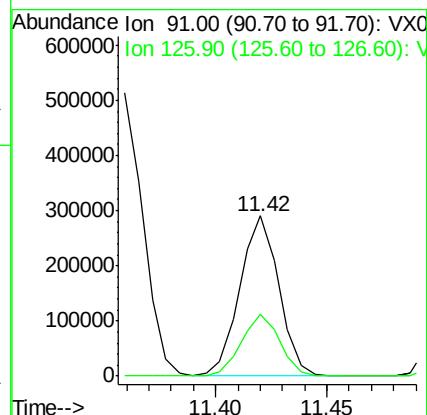
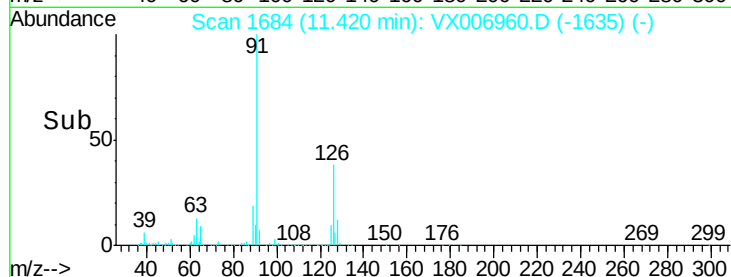
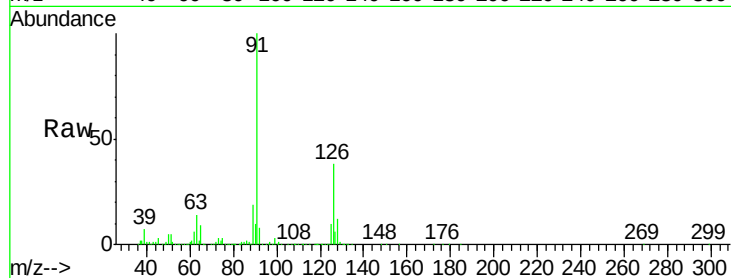
126 38.1 18.6 56.0

Manual Integrations

APPROVED

MMDadoda

1/10/2019 10:54:15 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.111 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006960.D

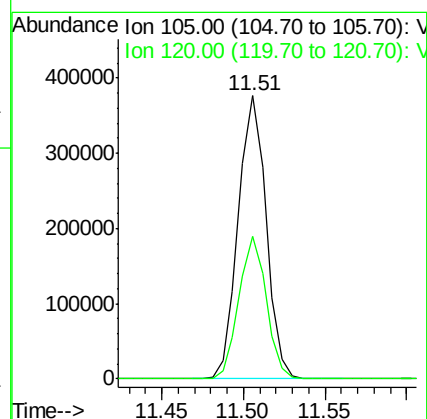
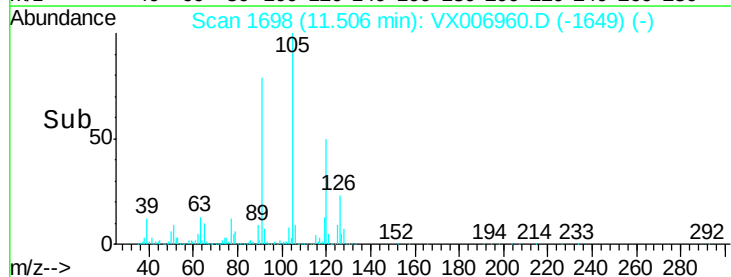
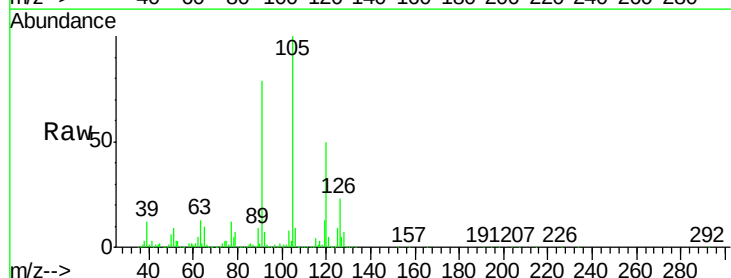
Acq: 09 Jan 2019 12:18

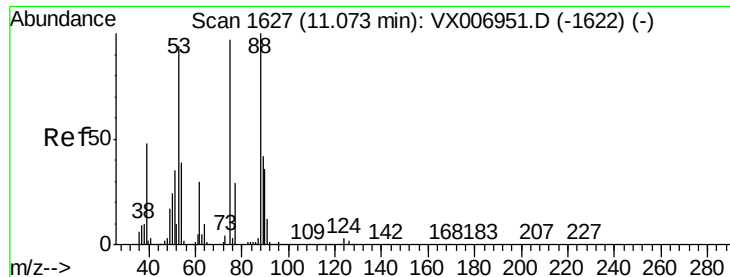
Tgt Ion: 105 Resp: 449360

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.512 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion: 75 Resp: 42700

Ion Ratio Lower Upper

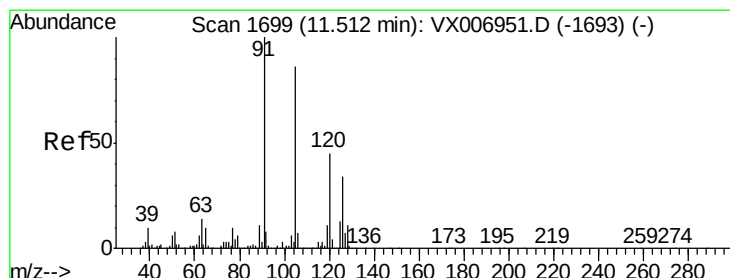
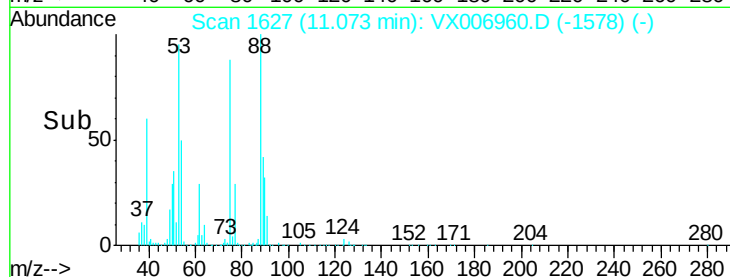
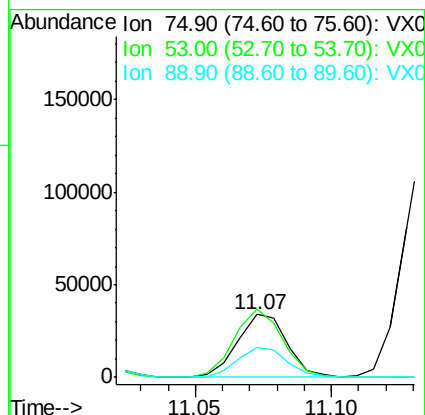
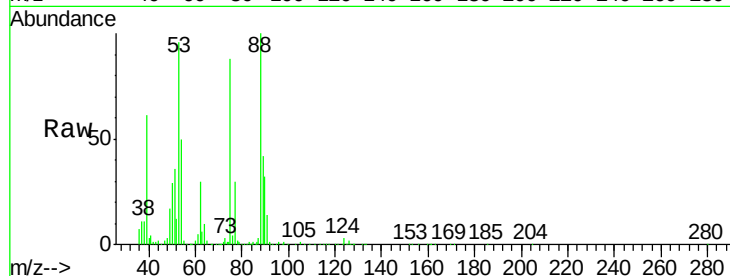
75 100

53 106.0 79.7 119.5

89 48.4 38.0 57.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#82

4-Chlorotoluene

Concen: 19.097 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006960.D

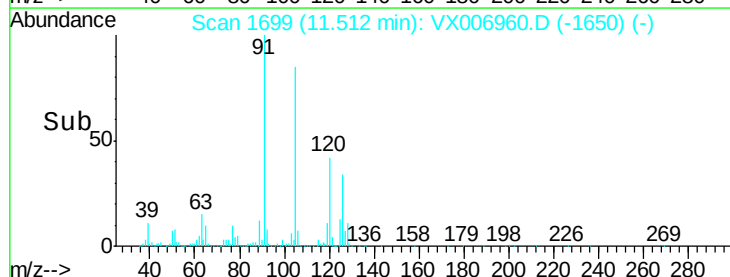
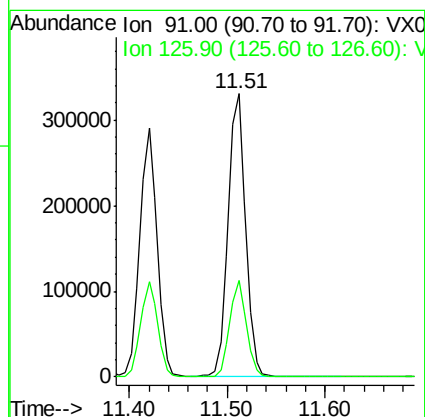
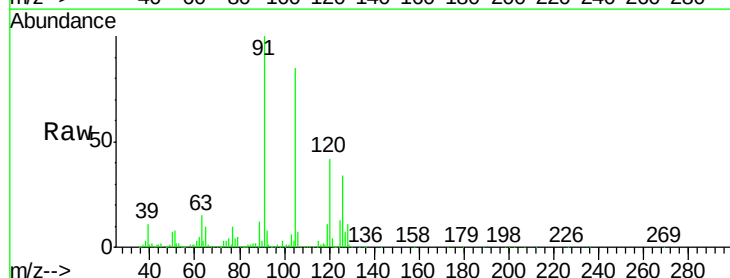
Acq: 09 Jan 2019 12:18

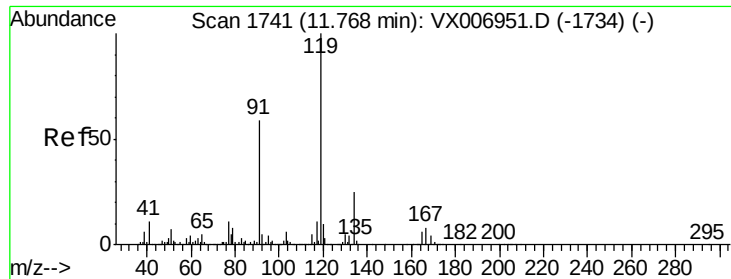
Tgt Ion: 91 Resp: 411161

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





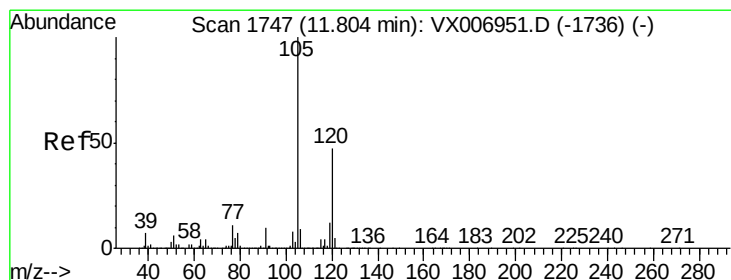
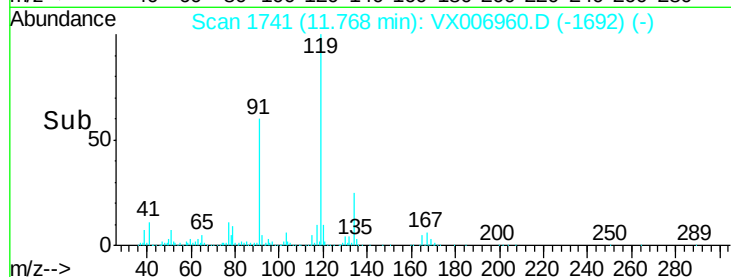
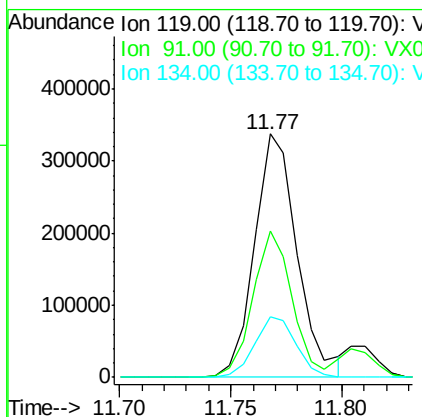
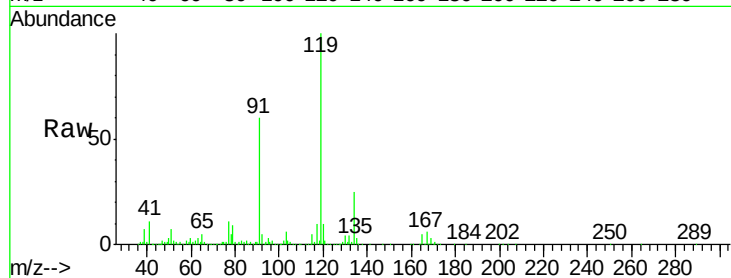
#83
 tert-Butylbenzene
 Concen: 19.200 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.7	83.1
134	24.0	11.9	35.5

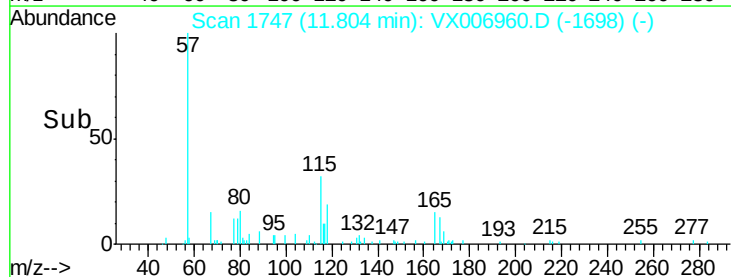
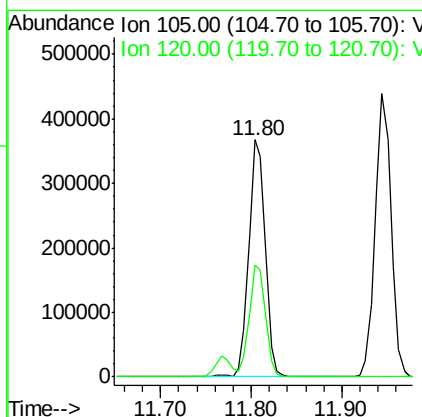
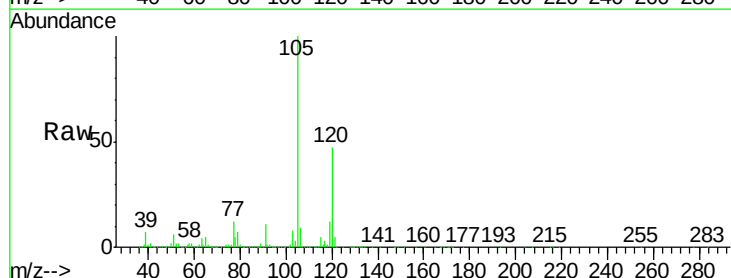
Manual Integrations
 APPROVED

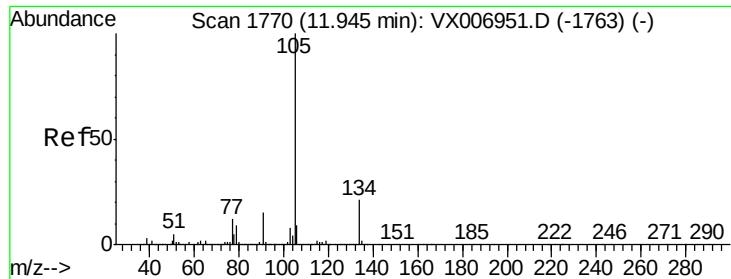
MMDadoda
 1/10/2019 10:54:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.491 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.124 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBSD01

Tot Ion:105 Resp: 535784

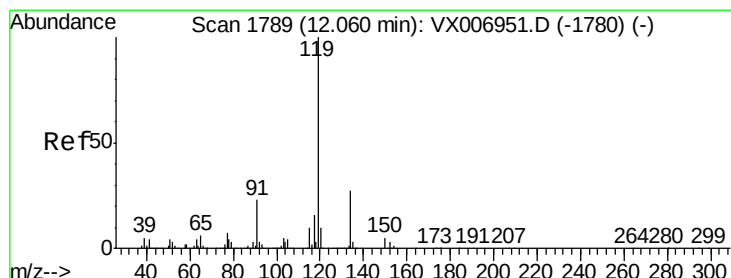
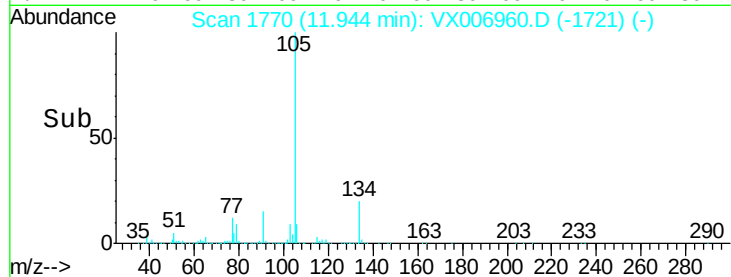
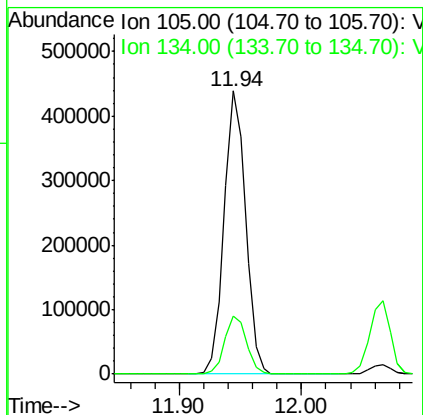
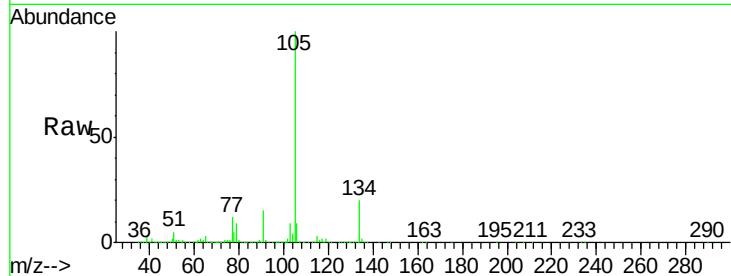
Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#86

p-Isopropyltoluene

Concen: 19.089 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

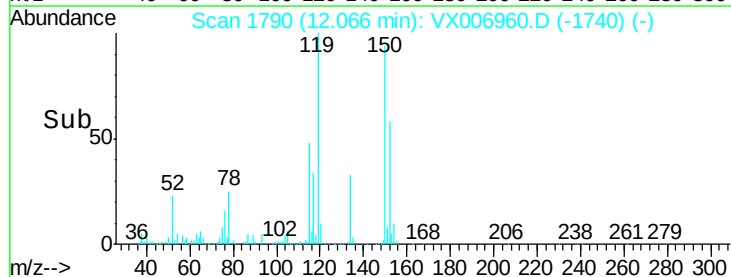
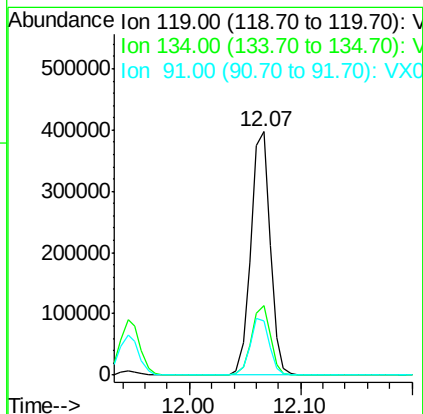
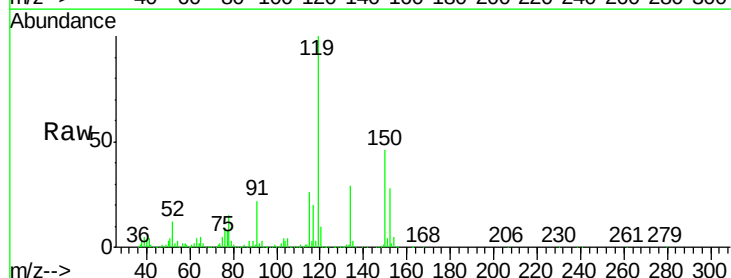
Tgt Ion:119 Resp: 478387

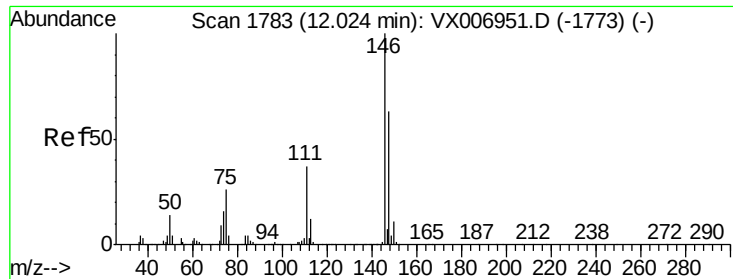
Ion Ratio Lower Upper

119 100

134 28.0 14.0 41.9

91 22.9 11.3 33.9





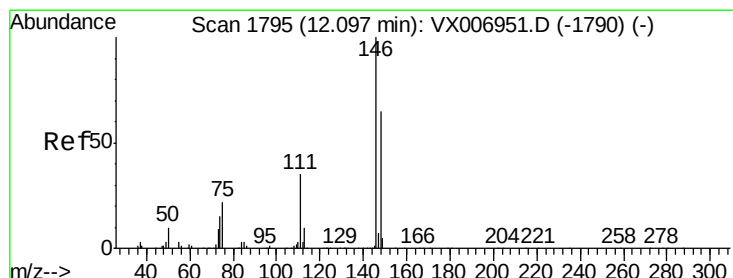
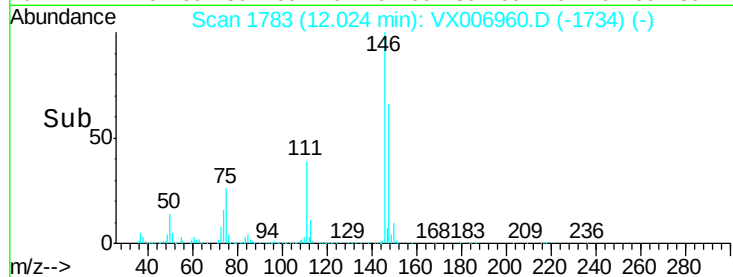
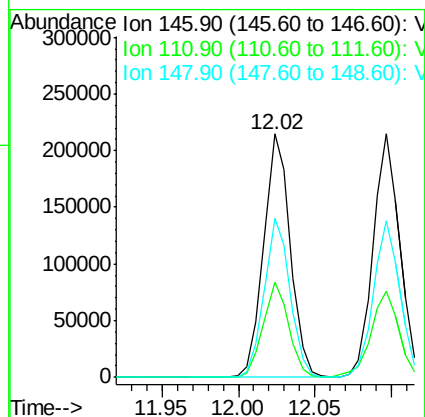
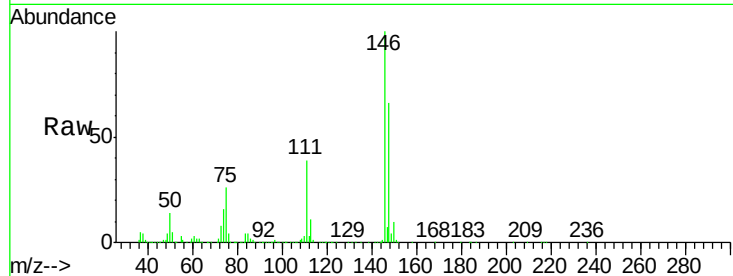
#87
 1,3-Dichlorobenzene
 Concen: 18.711 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	63.7	31.8	95.3

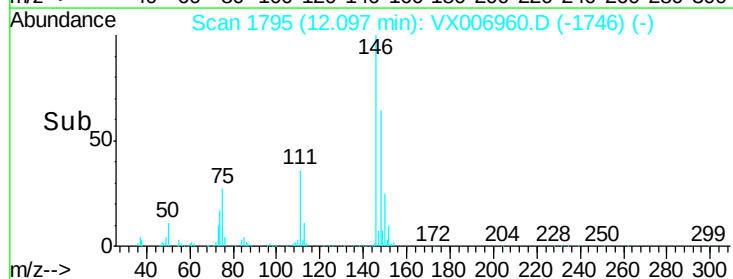
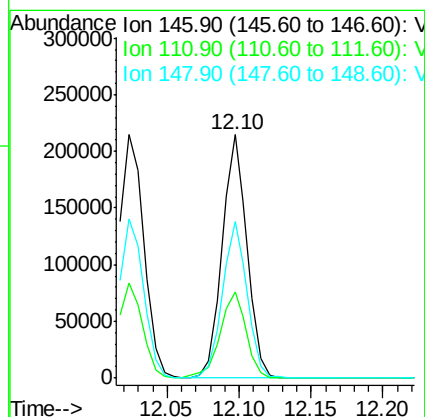
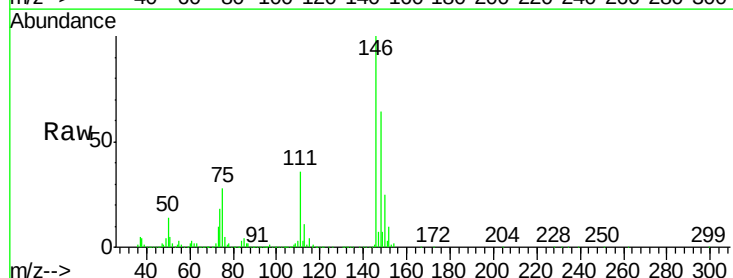
Manual Integrations
 APPROVED

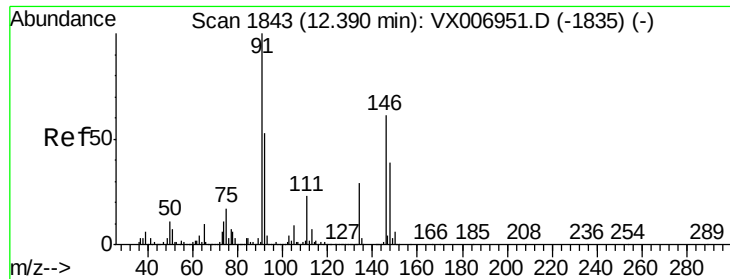
MMDadoda
 1/10/2019 10:54:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.603 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	64.4	31.9	95.9





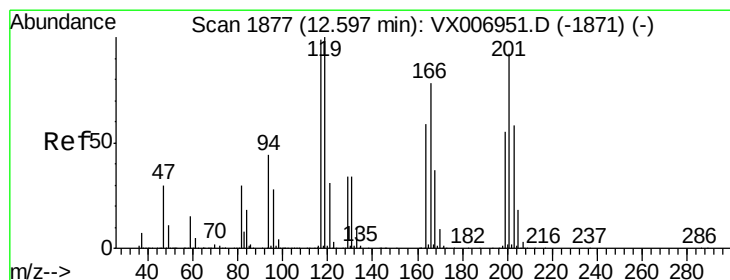
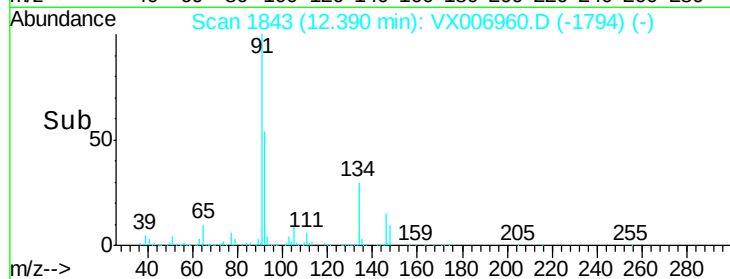
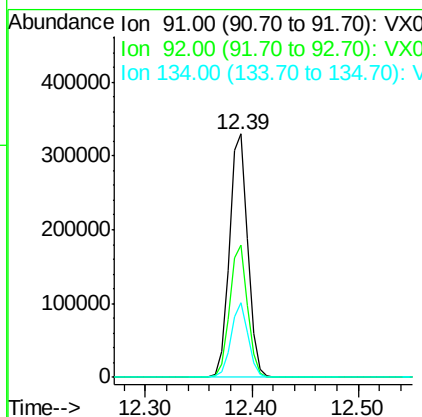
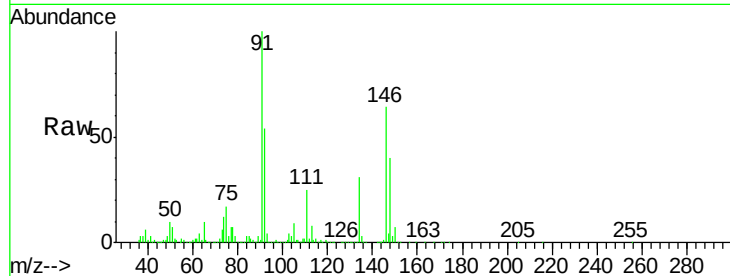
#89
n-Butylbenzene
Concen: 18.647 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	398353		
92	53.3	26.8	80.4	
134	28.8	14.4	43.2	

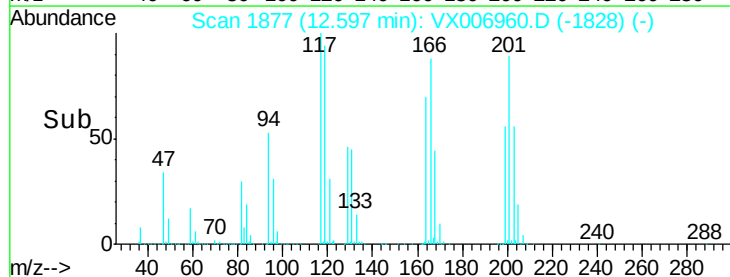
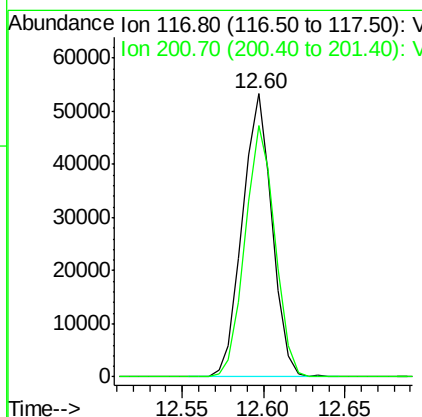
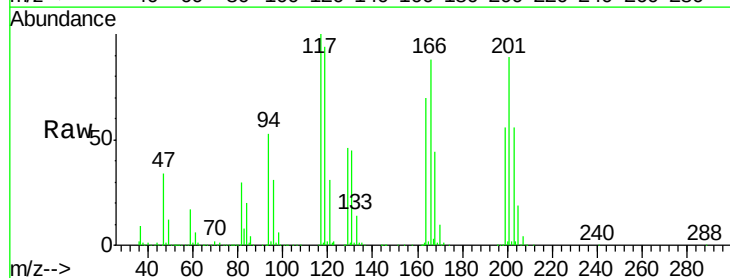
Manual Integrations
APPROVED

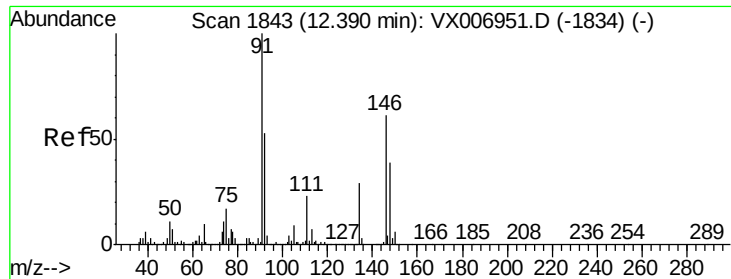
MMDadoda
1/10/2019 10:54:15 AM



#90
Hexachloroethane
Concen: 18.809 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006960.D
Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67545		
201	89.5	42.9	128.7	





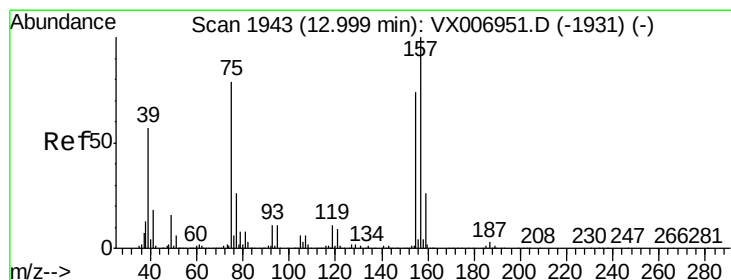
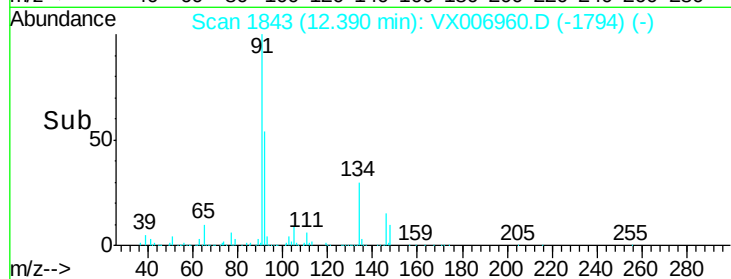
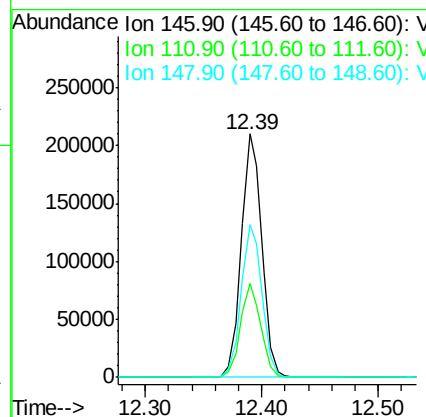
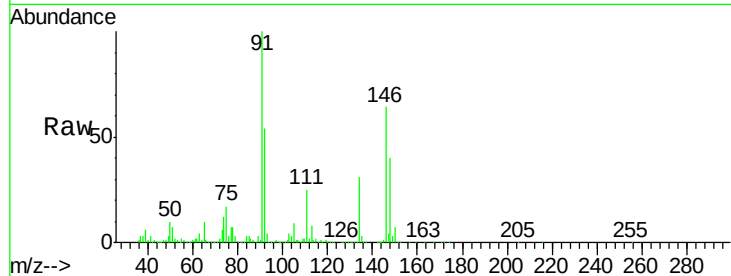
#91
 1,2-Dichlorobenzene
 Concen: 18.688 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	63.6	32.3	96.9

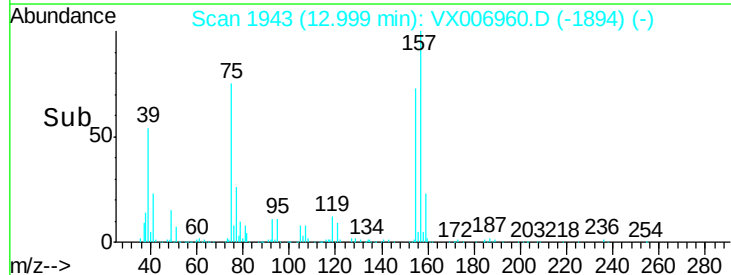
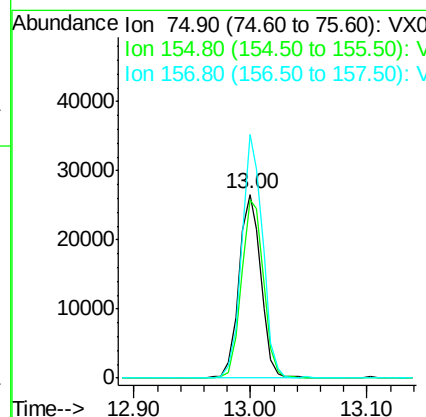
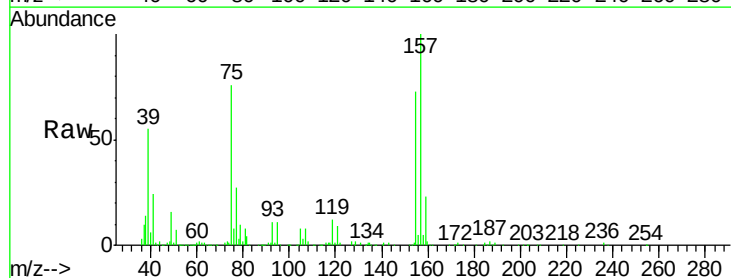
Manual Integrations
 APPROVED

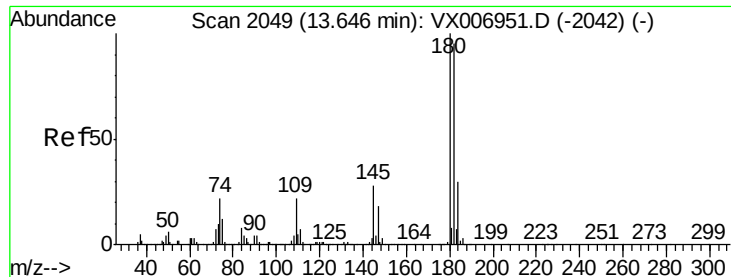
MMDadoda
 1/10/2019 10:54:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.785 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006960.D
 Acq: 09 Jan 2019 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	50.6	151.8
157	125.8	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 18.169 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

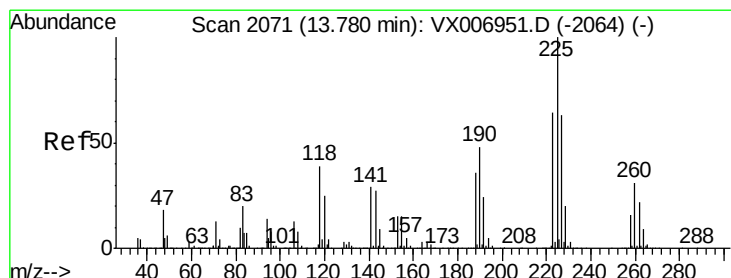
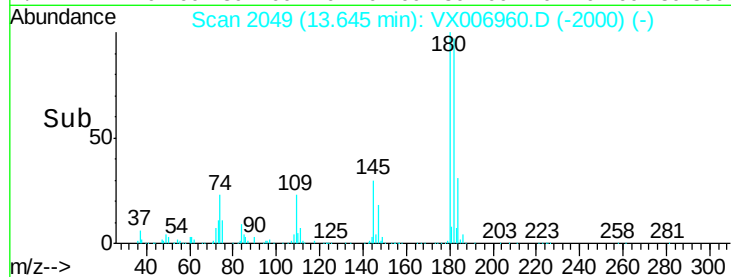
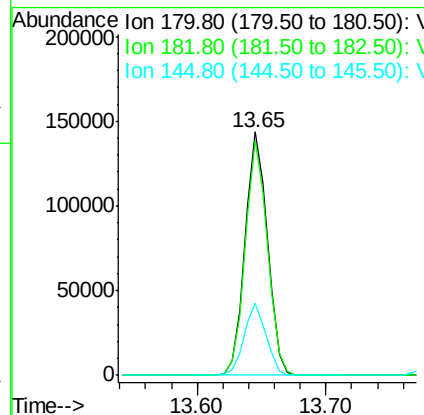
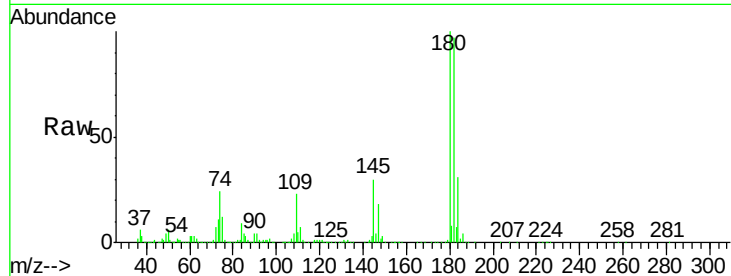
ClientSampleId :

VX0109WBSD01

Tot Ion:	180	Resp:	172397
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	29.1	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#94

Hexachlorobutadiene

Concen: 18.513 ug/l

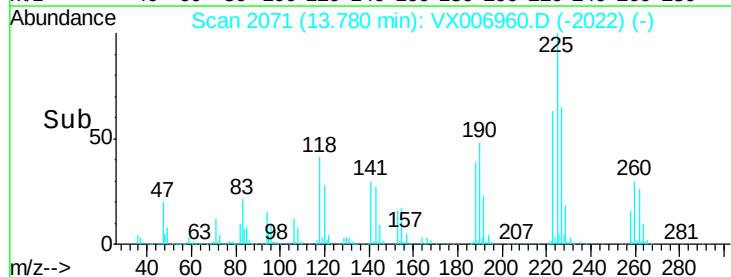
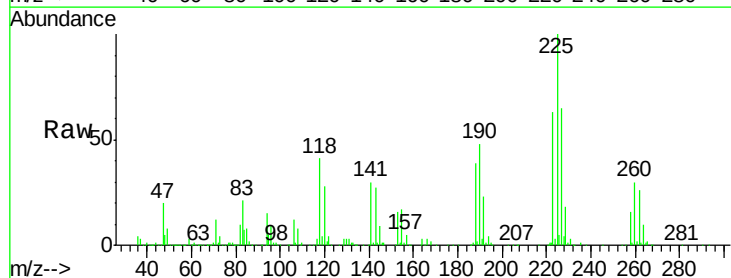
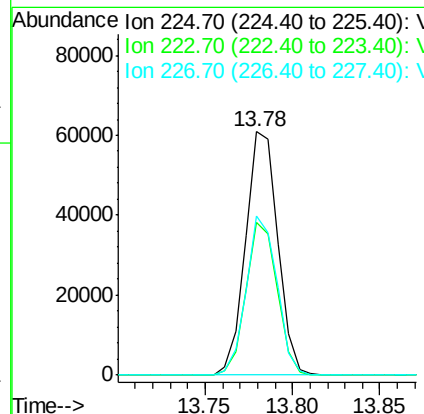
RT: 13.78 min Scan# 2071

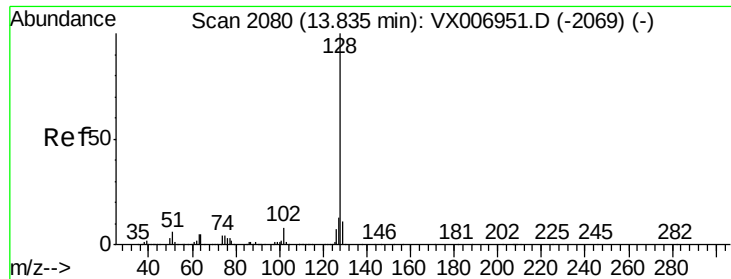
Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	225	Resp:	77954
Ion Ratio	Lower	Upper	
225	100		
223	61.0	32.1	96.3
227	62.4	32.3	96.8





#95

Naphthalene

Concen: 18.991 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Instrument :

MSVOA_X

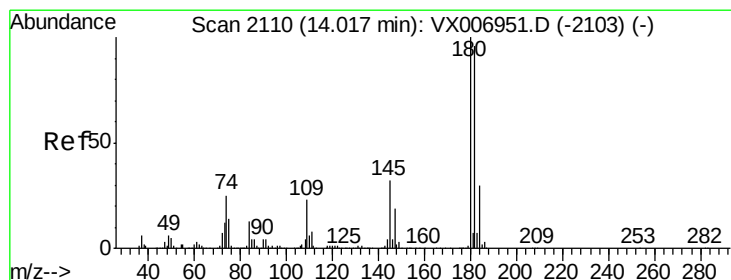
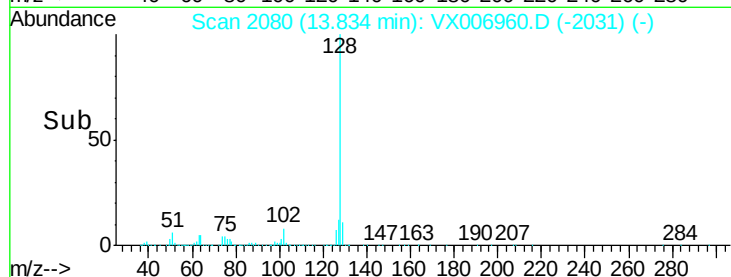
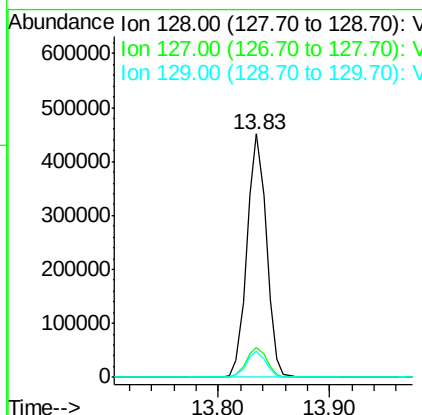
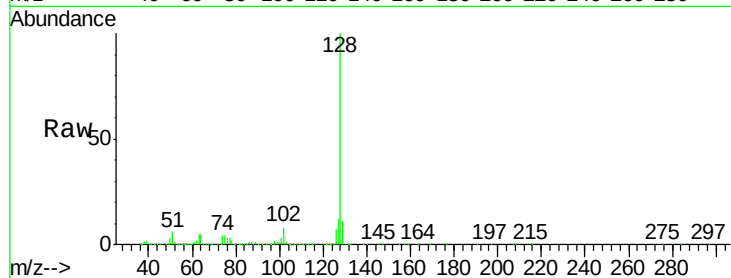
ClientSampleId :

VX0109WBSD01

Tot Ion:	128	Resp:	546043
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/10/2019 10:54:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.235 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX006960.D

Acq: 09 Jan 2019 12:18

Tgt Ion:	180	Resp:	171882
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.5	145.5
145	30.8	16.0	47.9

