

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030419\
 Data File : VX007818.D
 Acq On : 04 Mar 2019 18:35
 Operator : JC/SP
 Sample : K1719-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:34:48 AM

Quant Time: Mar 04 22:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	307097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	399793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171286	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	5.50	113	153161	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.71	98	559865	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	11.13	95	200165	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112924	39.917	ug/l	99
3) Chloromethane	1.33	50	143598	45.806	ug/l	100
4) Vinyl Chloride	1.41	62	153757	47.806	ug/l	100
5) Bromomethane	1.64	94	81802	40.070	ug/l	99
6) Chloroethane	1.71	64	101220	49.259	ug/l	99
7) Trichlorofluoromethane	1.93	101	210694	42.732	ug/l	99
8) Diethyl Ether	2.19	74	96801	47.838	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	123878	41.569	ug/l	99
10) Methyl Iodide	2.51	142	198972	53.621	ug/l	97
11) Tert butyl alcohol	3.08	59	181960	252.112	ug/l	100
12) 1,1-Dichloroethene	2.37	96	127753	47.558	ug/l	95
13) Acrolein	2.30	56	233847	364.616	ug/l	100
14) Allyl chloride	2.73	41	268893	54.136	ug/l	90
15) Acrylonitrile	3.15	53	456491	268.764	ug/l	100
16) Acetone	2.45	43	381271	225.388	ug/l	98
17) Carbon Disulfide	2.57	76	363655	48.660	ug/l	99
18) Methyl Acetate	2.78	43	207346	56.172	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	473551	50.623	ug/l	98
20) Methylene Chloride	2.86	84	144815	46.361	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	136884	46.873	ug/l	95
22) Diisopropyl ether	3.87	45	515256	49.833	ug/l	93
23) Vinyl Acetate	3.82	43	2120854	233.791	ug/l	98
24) 1,1-Dichloroethane	3.70	63	273977	48.756	ug/l	98
25) 2-Butanone	4.70	43	632129	245.317	ug/l	95
26) 2,2-Dichloropropane	4.59	77	175194	39.057	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	164914	44.381	ug/l	95
28) Bromochloromethane	5.02	49	127297	46.532	ug/l	88
29) Tetrahydrofuran	5.15	42	422541	248.766	ug/l	94
30) Chloroform	5.21	83	262093	43.542	ug/l	99
31) Cyclohexane	5.57	56	235797	44.609	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	221612	44.517	ug/l	99
36) 1,1-Dichloropropene	5.80	75	194848	47.390	ug/l	97
37) Ethyl Acetate	4.85	43	226575	49.609	ug/l	99
38) Carbon Tetrachloride	5.78	117	191752	46.428	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030419\
 Data File : VX007818.D
 Acq On : 04 Mar 2019 18:35
 Operator : JC/SP
 Sample : K1719-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:34:48 AM

Quant Time: Mar 04 22:26:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	224093	43.125	ug/l	96
40) Benzene	6.14	78	609992	48.061	ug/l	99
41) Methacrylonitrile	5.06	41	134768	55.259	ug/l	94
42) 1,2-Dichloroethane	6.20	62	199804	46.837	ug/l	98
43) Isopropyl Acetate	6.46	43	365038	51.931	ug/l	98
44) Trichloroethene	7.21	130	197378	56.532	ug/l	98
45) 1,2-Dichloropropane	7.51	63	164158	49.930	ug/l	99
46) Dibromomethane	7.66	93	101843	44.402	ug/l	97
47) Bromodichloromethane	7.90	83	196118	49.340	ug/l	99
48) Methyl methacrylate	7.77	41	194569	52.806	ug/l	91
49) 1,4-Dioxane	7.75	88	74048	930.467	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1192433	253.427	ug/l	99
52) Toluene	8.79	92	374737	46.822	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	218433	44.528	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	239613	49.675	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	155716	46.657	ug/l	98
56) Ethyl methacrylate	9.18	69	242771	51.151	ug/l	94
57) 1,3-Dichloropropane	9.37	76	259721	48.614	ug/l	100
59) 2-Hexanone	9.49	43	893130	241.776	ug/l	98
60) Dibromochloromethane	9.58	129	163759	50.993	ug/l	97
61) 1,2-Dibromoethane	9.67	107	163552	47.199	ug/l	98
64) Tetrachloroethene	9.34	164	162545	50.082	ug/l	99
65) Chlorobenzene	10.14	112	410424	47.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	154251	51.141	ug/l	99
67) Ethyl Benzene	10.25	91	691891	48.304	ug/l	100
68) m/p-Xylenes	10.36	106	530557	95.212	ug/l	97
69) o-Xylene	10.69	106	260918	48.679	ug/l	97
70) Stvrene	10.71	104	419177	47.579	ug/l	99
71) Bromoform	10.86	173	132335	58.510	ug/l	99
73) Isopropylbenzene	11.02	105	691419	48.196	ug/l	100
74) N-amyl acetate	10.90	43	309259	49.641	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	229858	46.325	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	223961m	52.345	ug/l	
77) Bromobenzene	11.26	156	184043	51.147	ug/l	95
78) n-propylbenzene	11.36	91	761815	46.993	ug/l	98
79) 2-Chlorotoluene	11.42	91	453076	46.416	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	561150	47.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	69439	43.882	ug/l	90
82) 4-Chlorotoluene	11.51	91	516776	45.256	ug/l	98
83) tert-Butylbenzene	11.77	119	570519	50.354	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	575205	47.653	ug/l	98
85) sec-Butylbenzene	11.94	105	673196	47.415	ug/l	99
86) p-Isopropyltoluene	12.06	119	602054	48.420	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	320592	48.032	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	319997	46.813	ug/l	100
89) n-Butylbenzene	12.38	91	496592	44.783	ug/l	99
90) Hexachloroethane	12.60	117	101232	48.320	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	321800	48.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49936	46.189	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	220622	54.120	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030419\
Data File : VX007818.D
Acq On : 04 Mar 2019 18:35
Operator : JC/SP
Sample : K1719-04MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

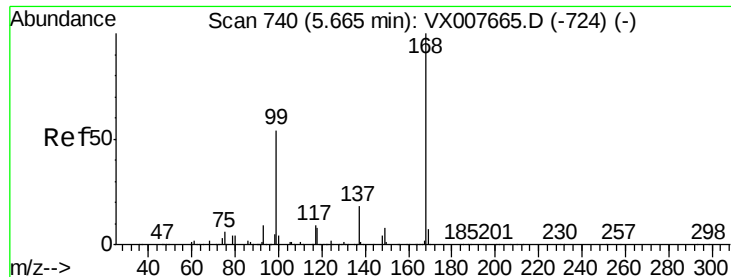
Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM

Quant Time: Mar 04 22:26:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	112554	60.355	ug/l	100
95) Naphthalene	13.83	128	681770	51.621	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	223044	54.491	ug/l	100

(#) = 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: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:168 Resp: 307097

Ion Ratio Lower Upper

168 100

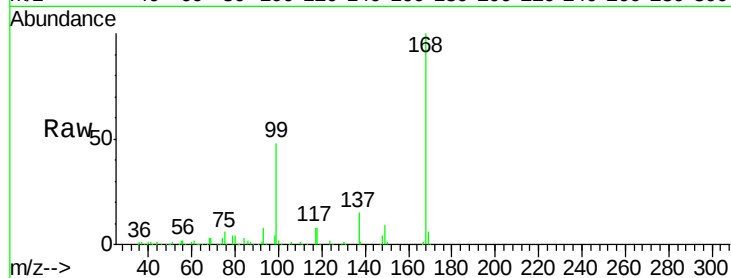
99 47.5 37.9 56.9

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

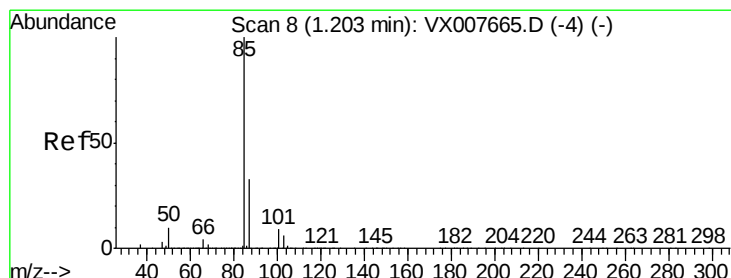
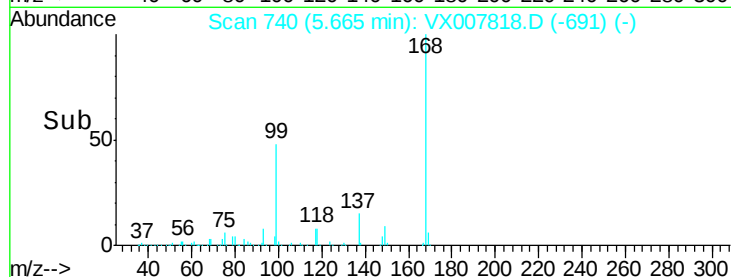
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 39.917 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007818.D

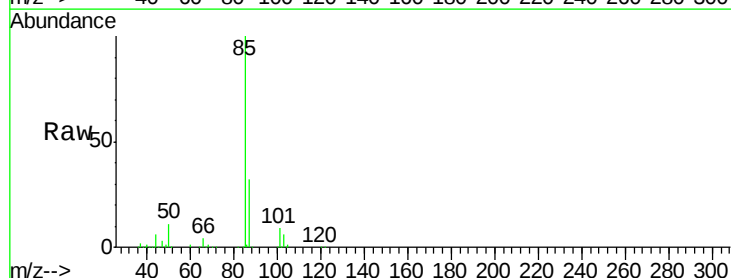
Acq: 04 Mar 2019 18:35

Tgt Ion: 85 Resp: 112924

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

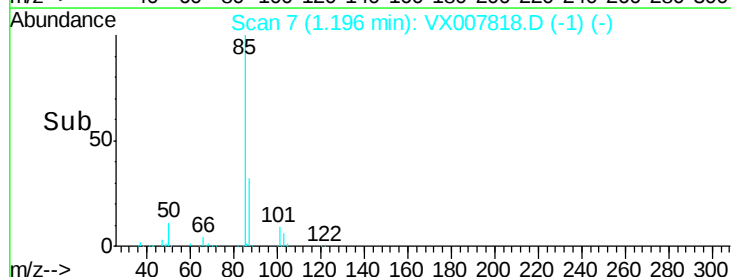
40000

20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.806 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 50 Resp: 143598

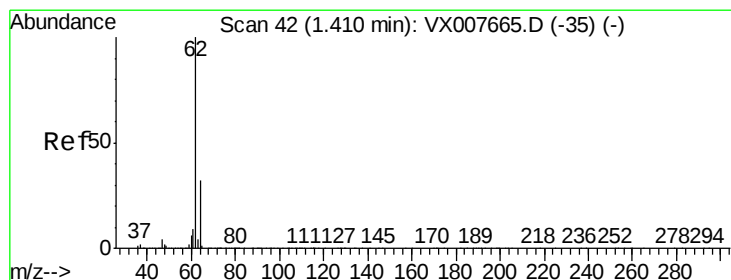
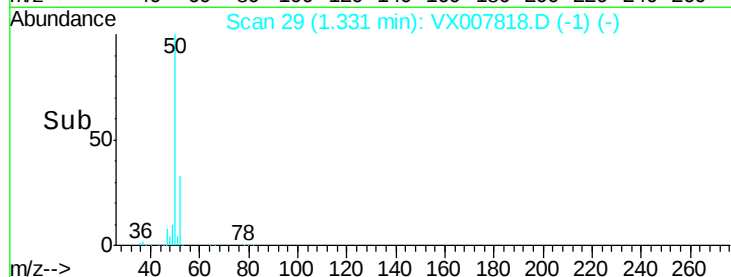
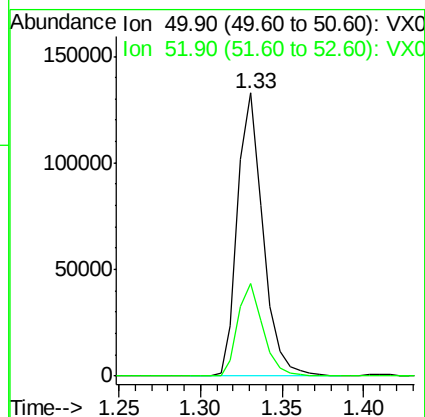
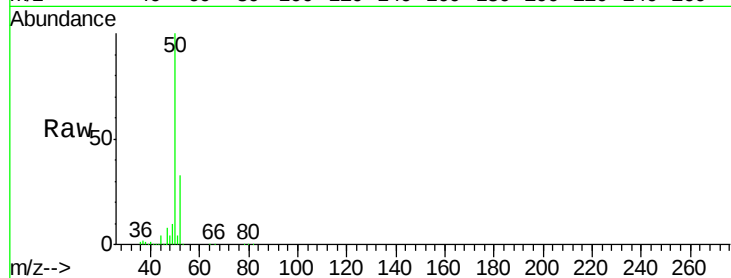
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#4

Vinyl Chloride

Concen: 47.806 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007818.D

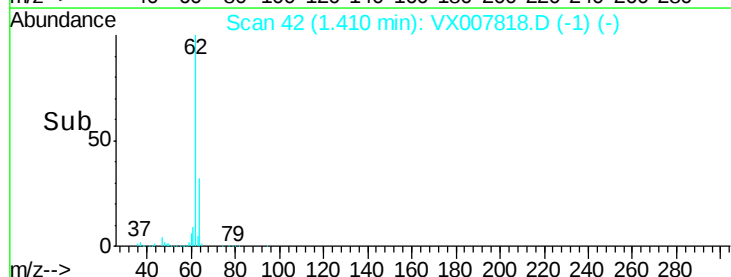
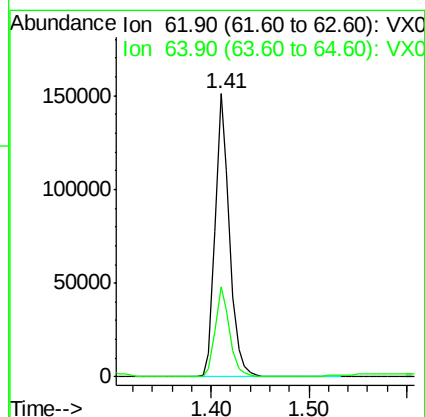
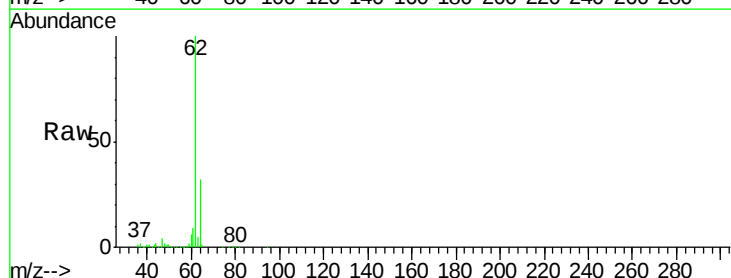
Acq: 04 Mar 2019 18:35

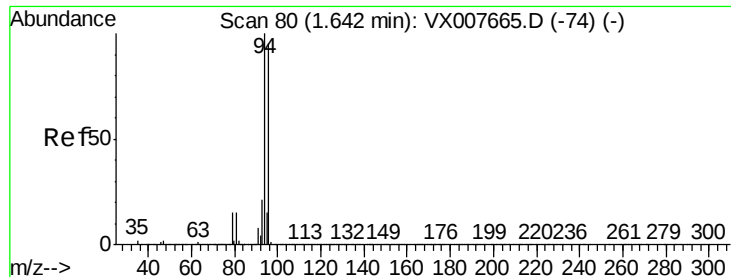
Tgt Ion: 62 Resp: 153757

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 40.070 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 94 Resp: 81802

Ion Ratio Lower Upper

94 100

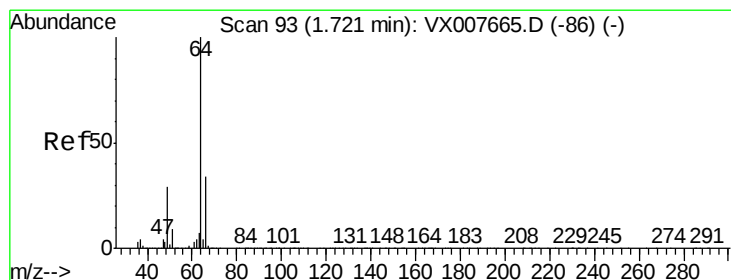
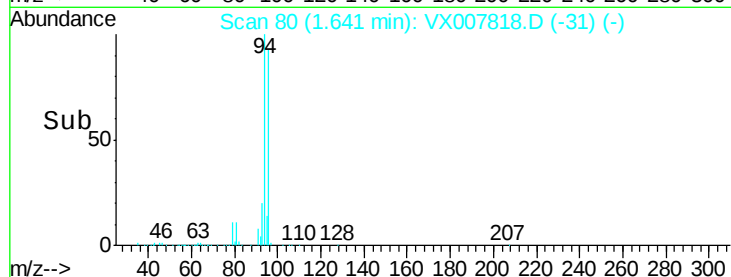
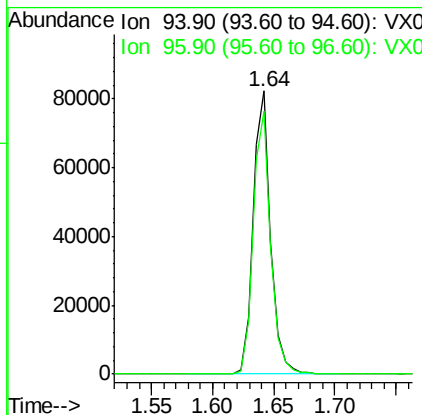
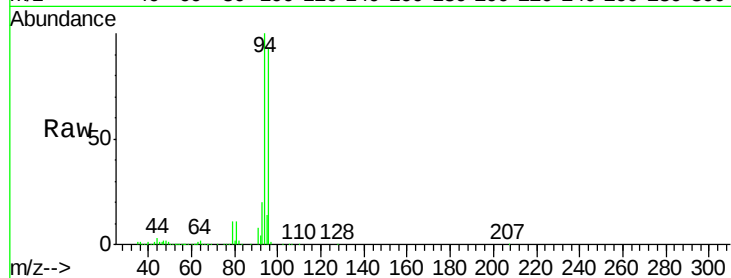
96 92.9 73.9 110.9

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



#6

Chloroethane

Concen: 49.259 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007818.D

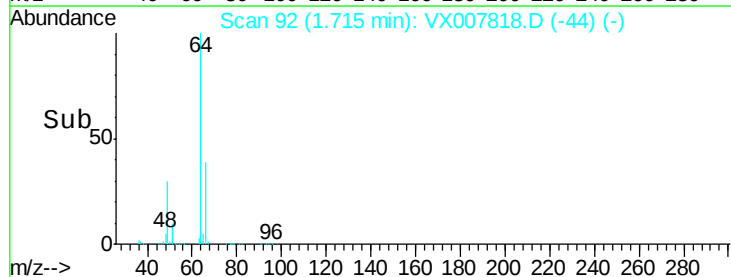
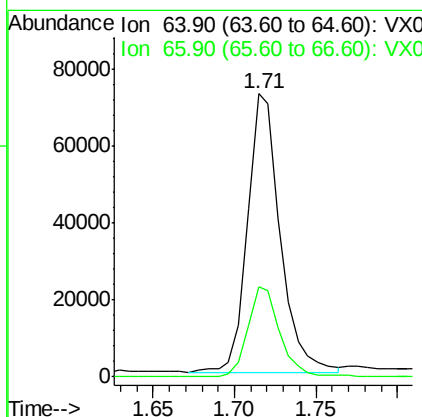
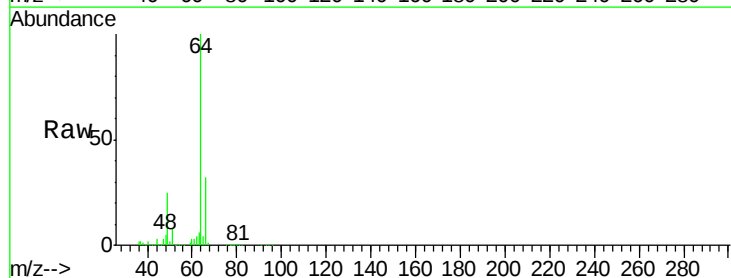
Acq: 04 Mar 2019 18:35

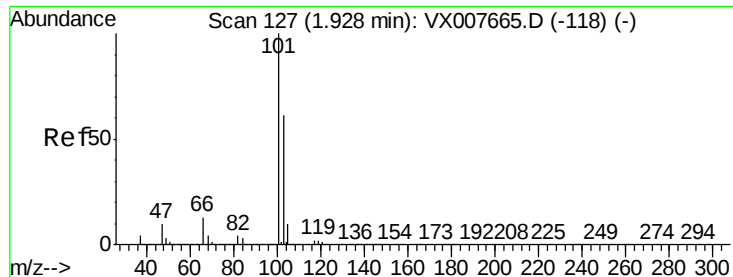
Tgt Ion: 64 Resp: 101220

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

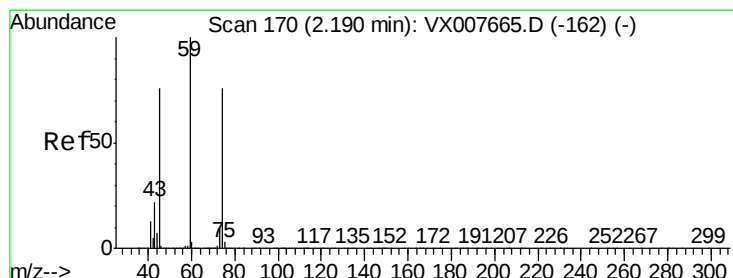
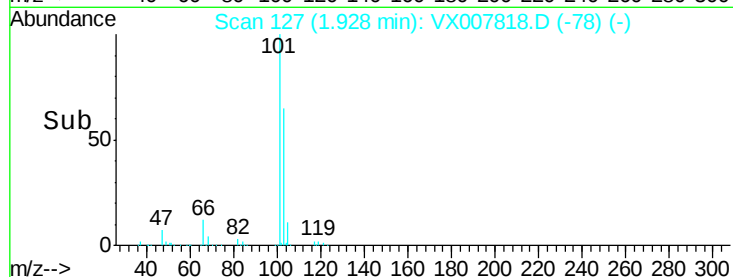
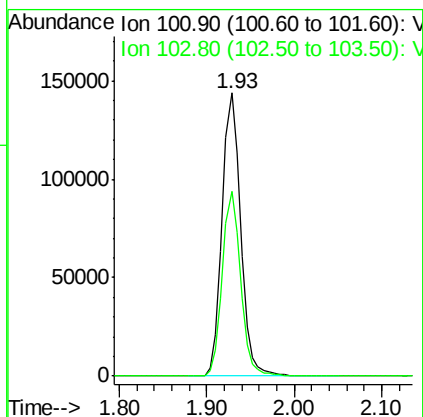
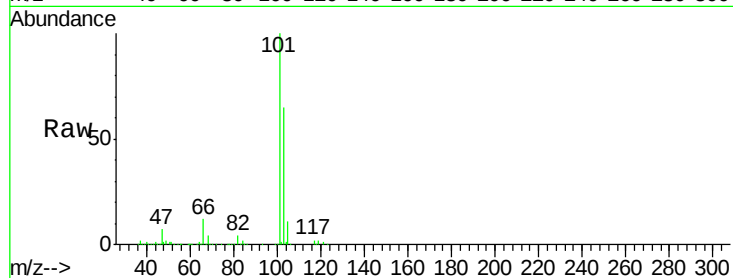
Trichlorofluoromethane
Concen: 42.732 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	210694		
103	65.2	52.6	79.0	

Manual Integrations
APPROVED

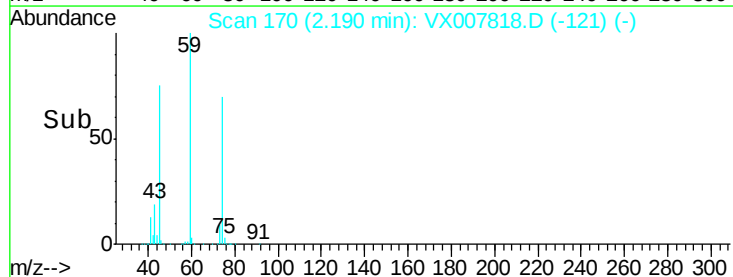
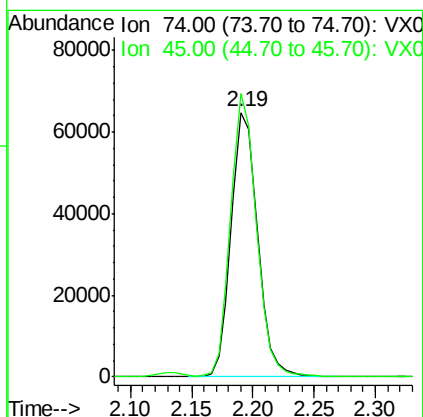
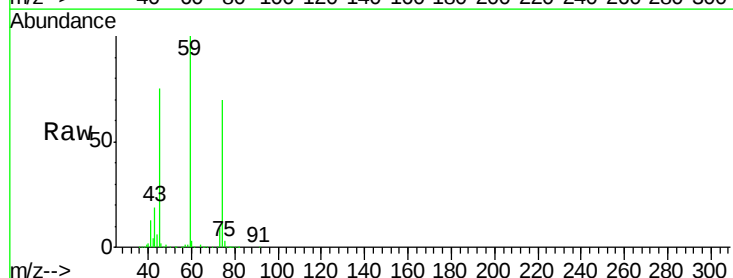
MMDadoda
3/5/2019 9:34:48 AM

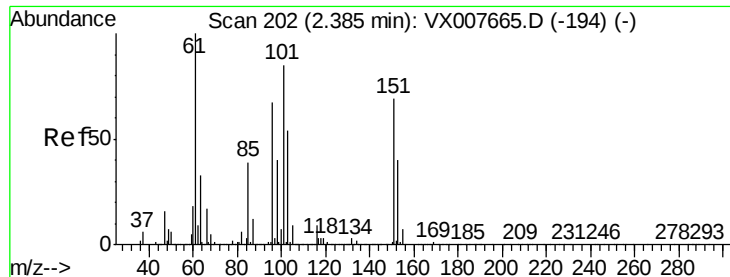


#8

Diethyl Ether
Concen: 47.838 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	96801		
45	104.0	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.569 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

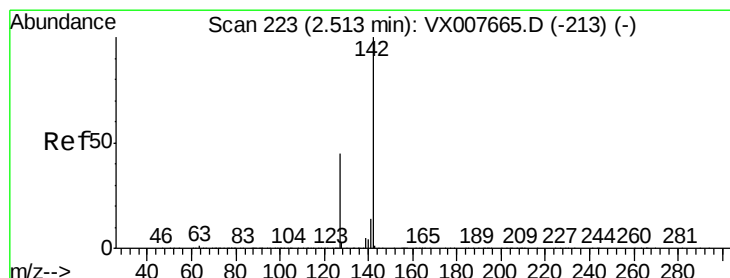
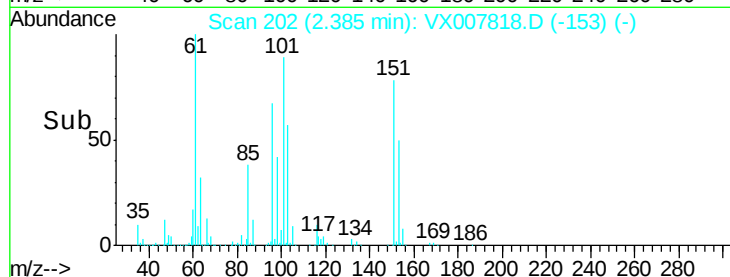
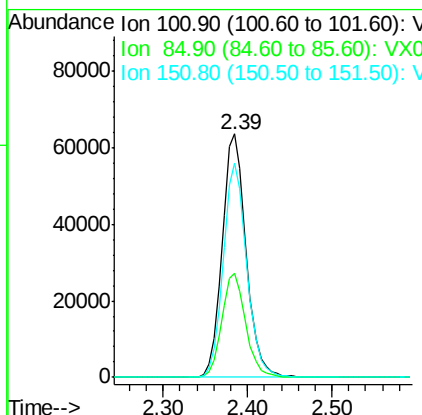
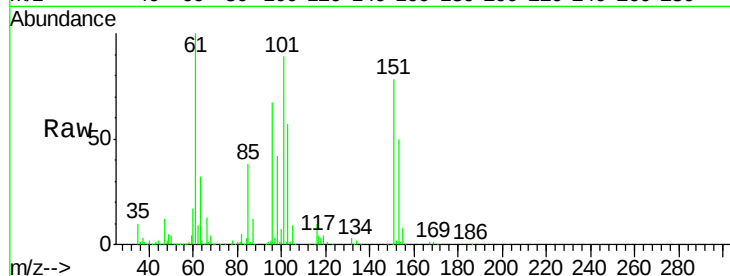
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	101	Resp:	123878
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.1	51.1
151	86.6	69.9	104.9

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#10

Methyl Iodide

Concen: 53.621 ug/l

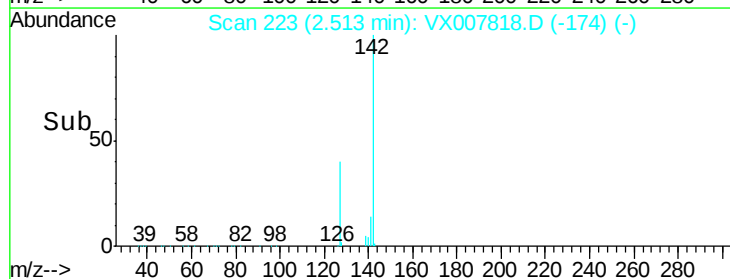
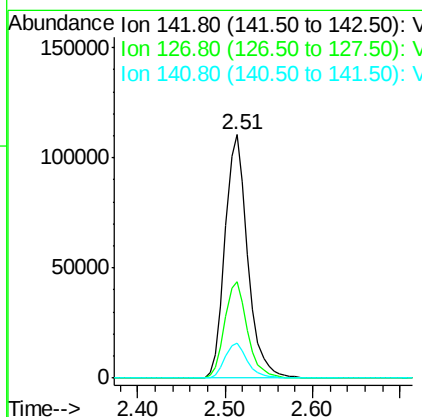
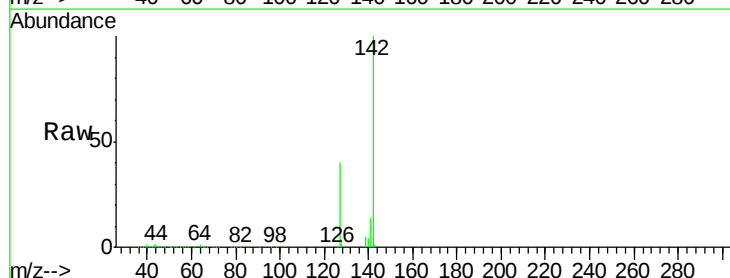
RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	142	Resp:	198972
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.7	50.5
141	14.3	11.3	16.9





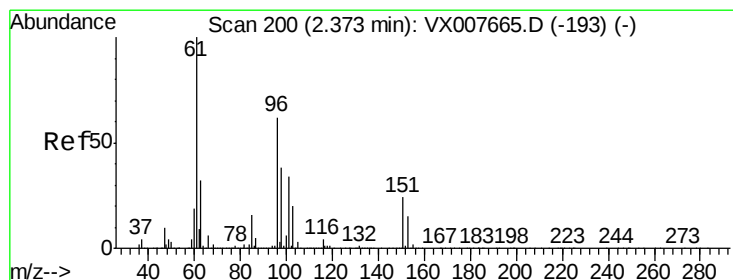
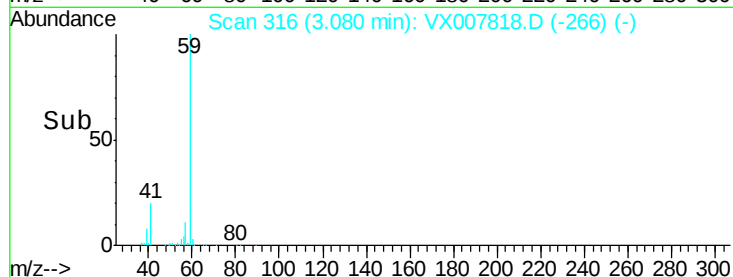
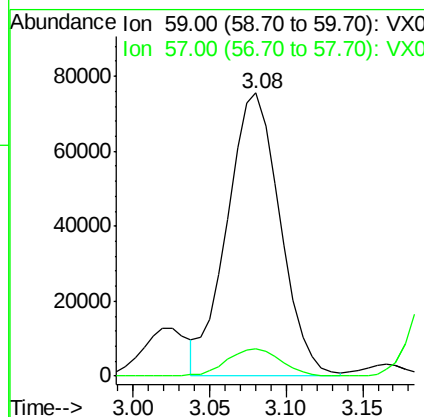
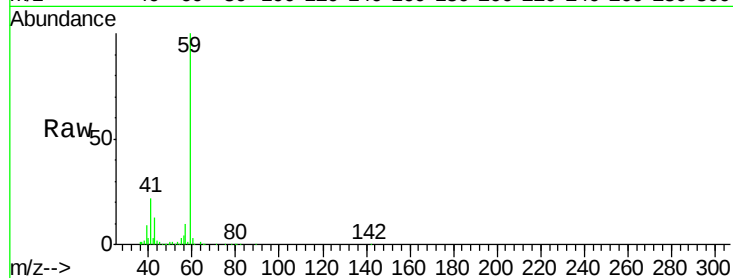
#11
Tert butyl alcohol
Concen: 252.112 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

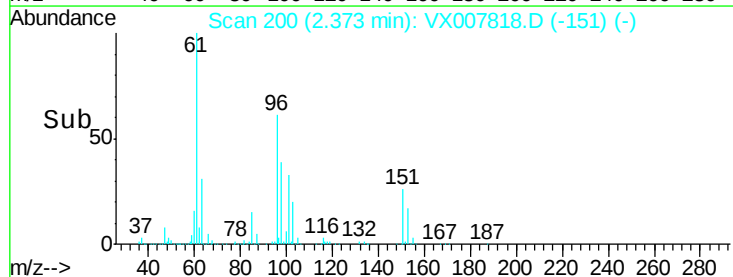
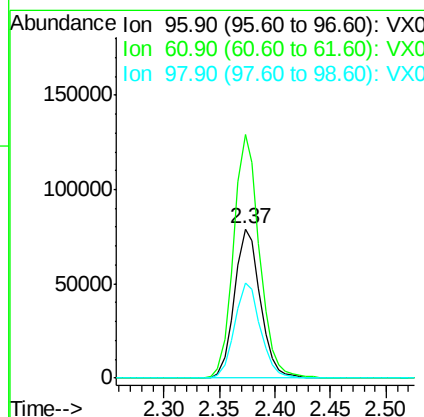
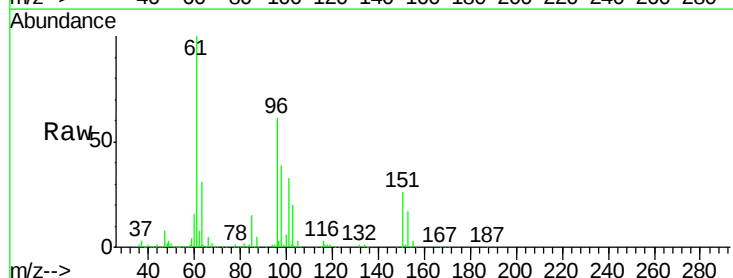
Manual Integrations
APPROVED

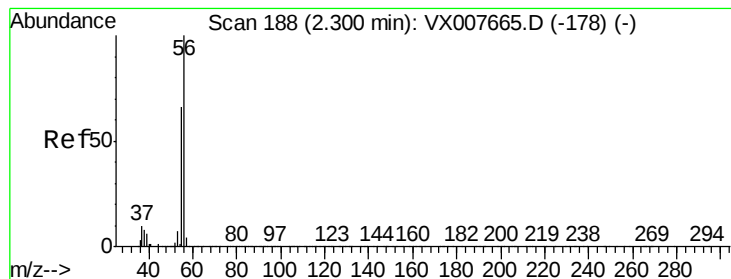
MMDadoda
3/5/2019 9:34:48 AM



#12
1,1-Dichloroethene
Concen: 47.558 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	123.0	184.4
98	63.9	50.9	76.3





#13

Acrolein

Concen: 364.616 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 56 Resp: 233847

Ion Ratio Lower Upper

56 100

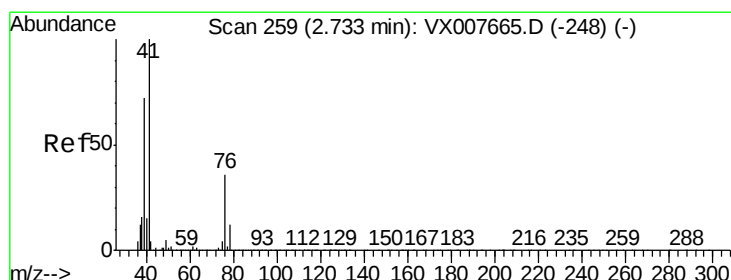
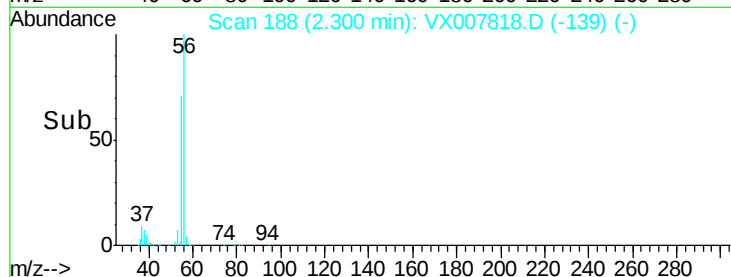
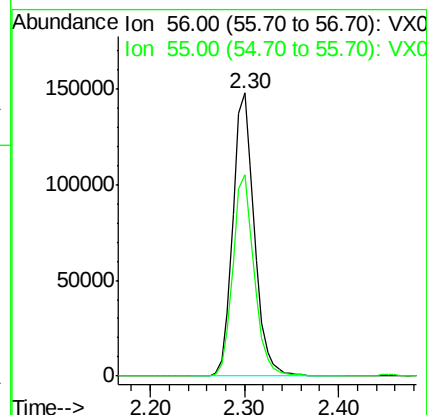
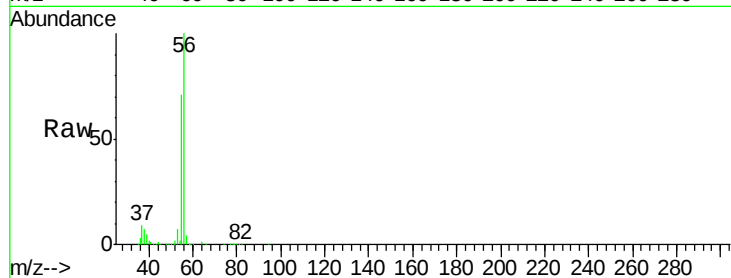
55 70.7 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



#14

Allyl chloride

Concen: 54.136 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

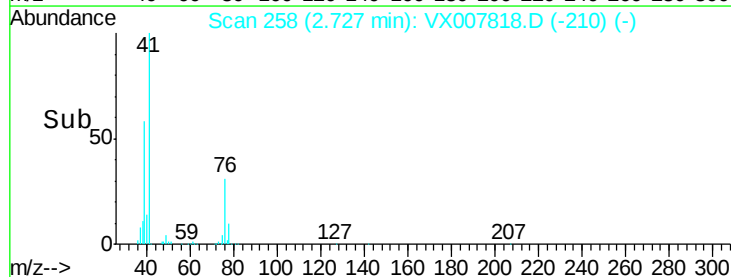
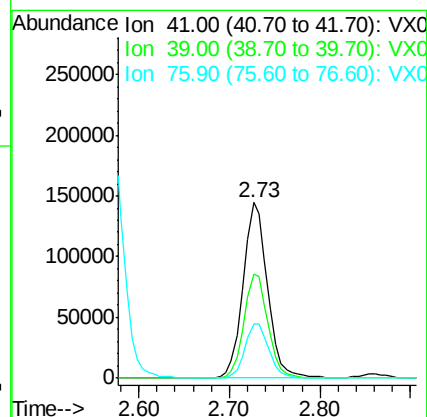
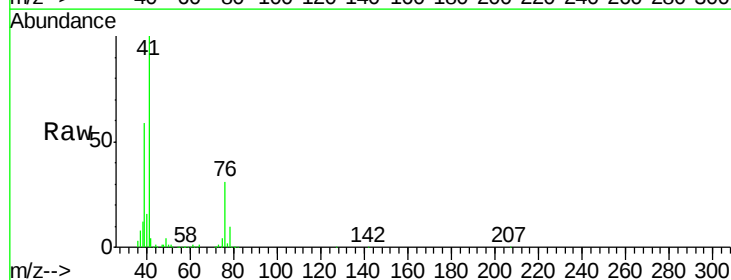
Tgt Ion: 41 Resp: 268893

Ion Ratio Lower Upper

41 100

39 58.3 54.1 81.1

76 30.3 27.8 41.8





#15

Acrylonitrile

Concen: 268.764 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

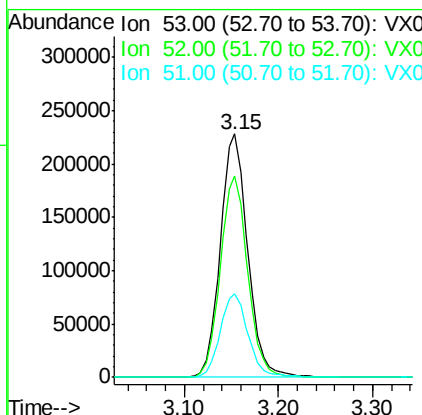
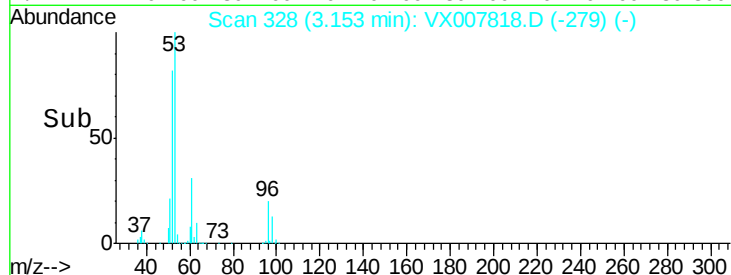
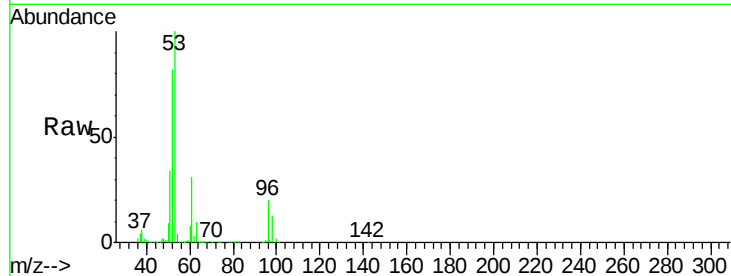
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	53	Resp:	456491
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.4	99.6
51	35.1	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#16

Acetone

Concen: 225.388 ug/l

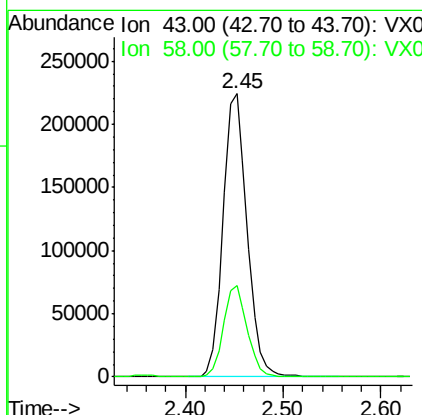
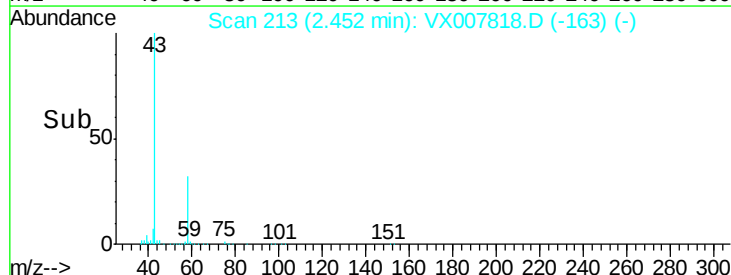
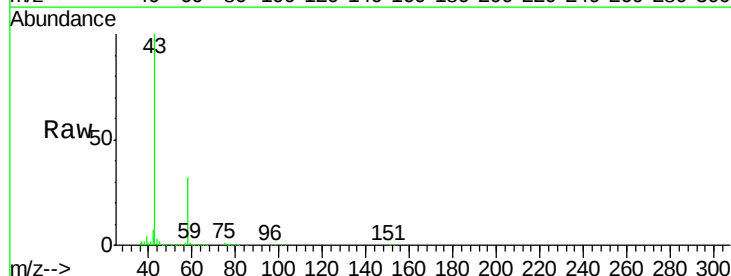
RT: 2.45 min Scan# 213

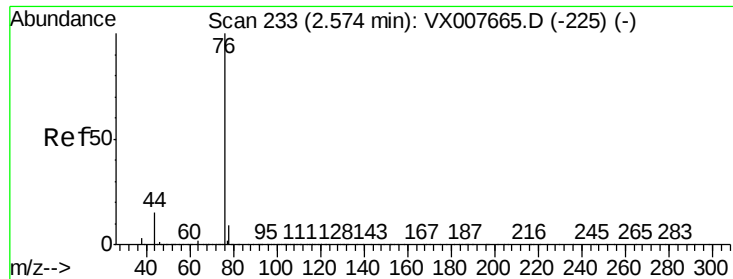
Delta R.T. 0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	43	Resp:	381271
Ion Ratio		Lower	Upper
43	100		
58	32.2	24.9	37.3





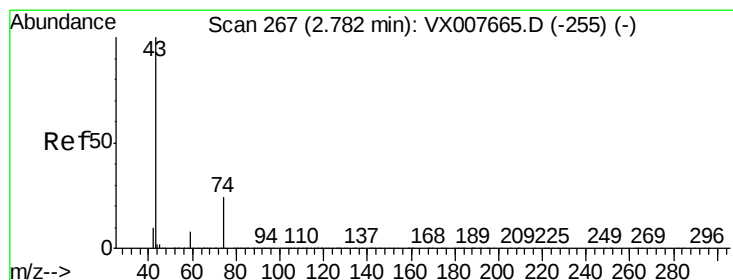
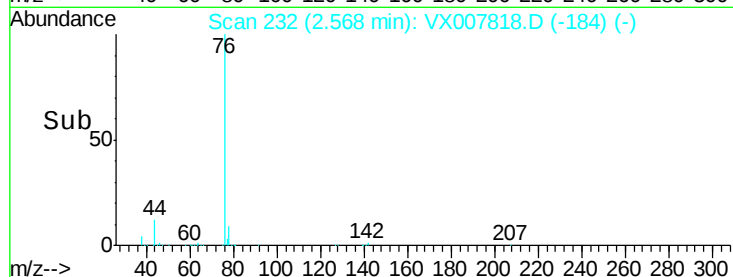
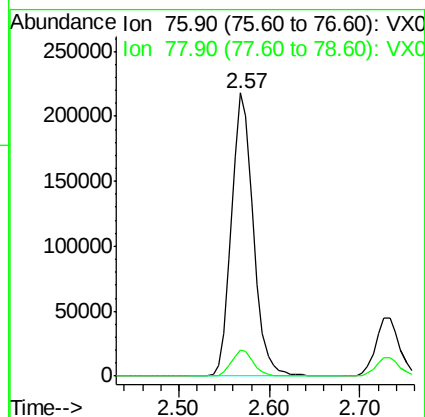
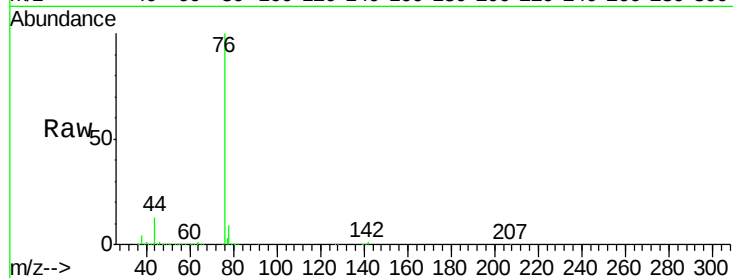
#17
Carbon Disulfide
Concen: 48.660 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

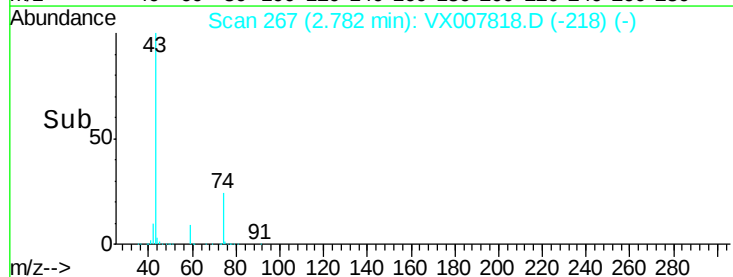
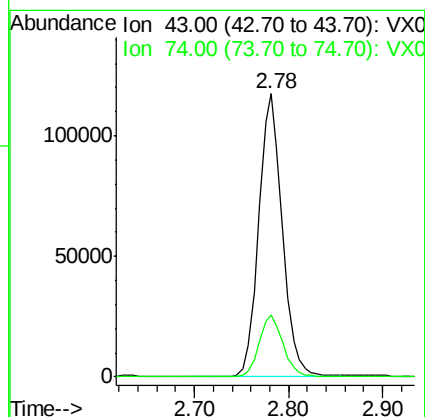
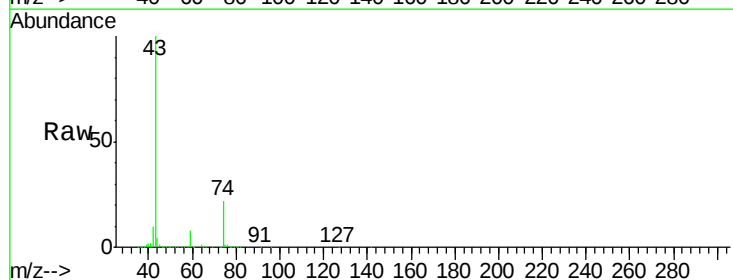
Manual Integrations
APPROVED

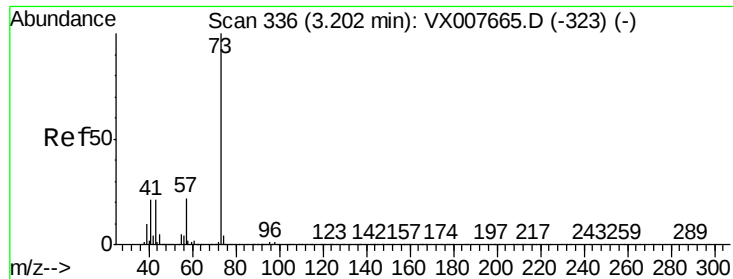
MMDadoda
3/5/2019 9:34:48 AM



#18
Methyl Acetate
Concen: 56.172 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.4	29.2





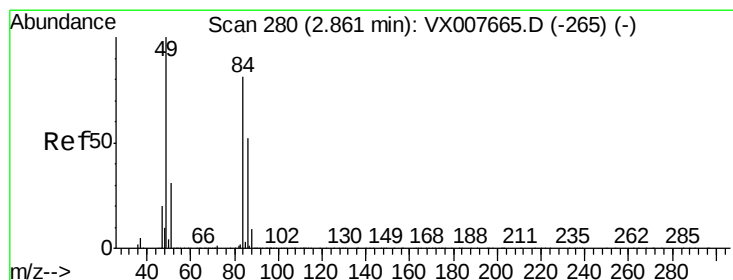
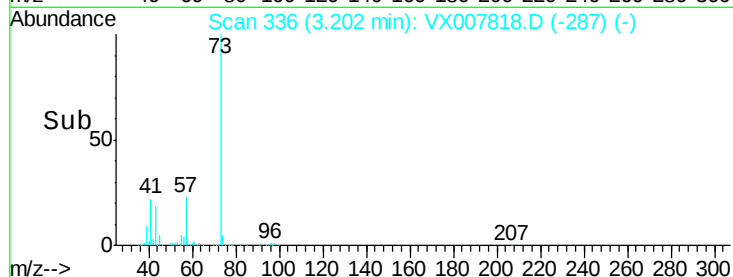
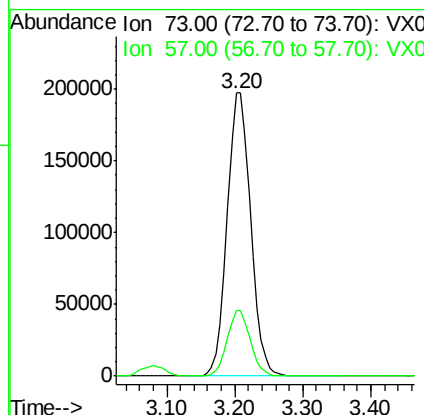
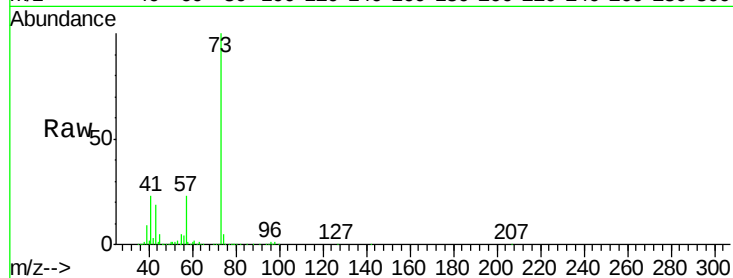
#19
Methvl tert-butvl Ether
Concen: 50.623 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.8	26.8

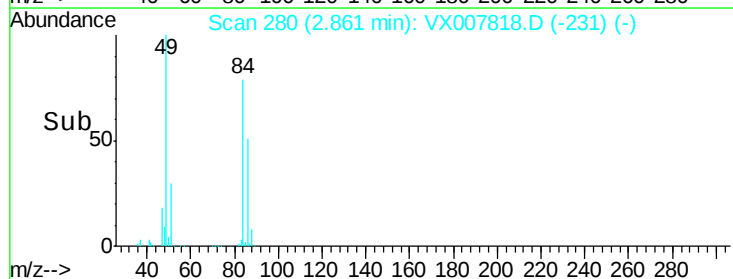
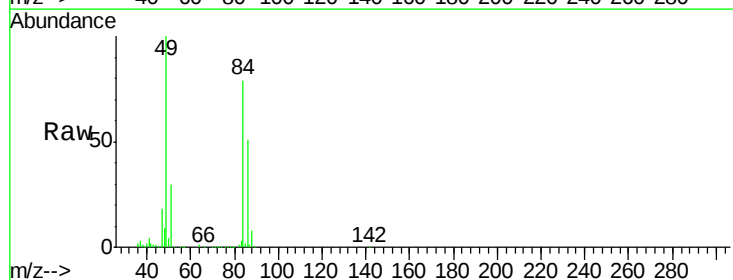
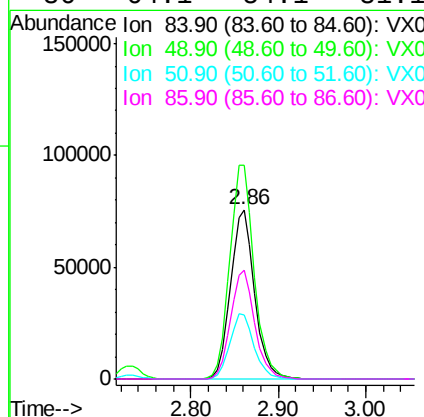
Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#20
Methylene Chloride
Concen: 46.361 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.1	94.8	142.2
51	37.7	29.8	44.8
86	64.1	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.873 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

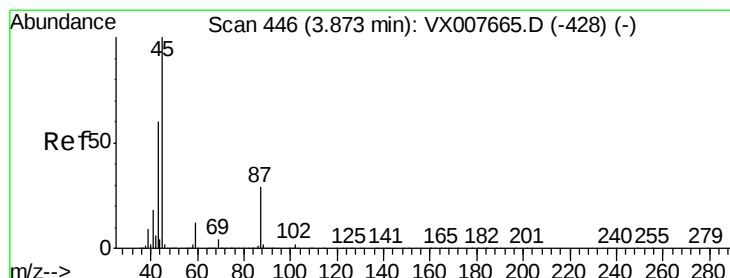
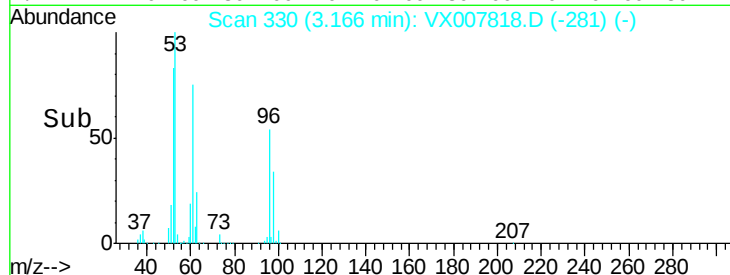
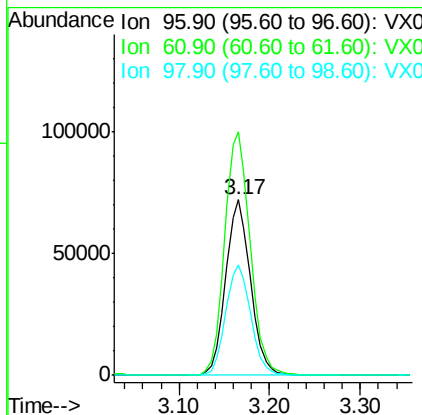
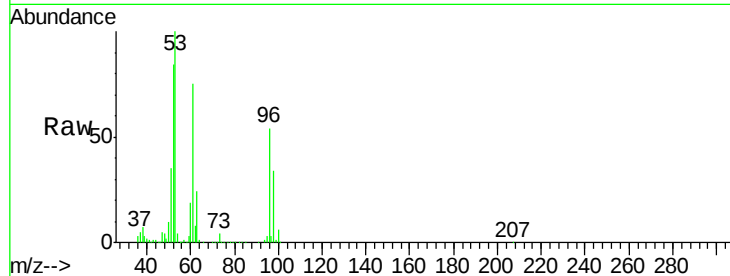
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	96	Resp:	136884
Ion Ratio	Lower	Upper	
96	100		
61	138.9	104.6	156.8
98	63.1	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#22

Diisopropyl ether

Concen: 49.833 ug/l

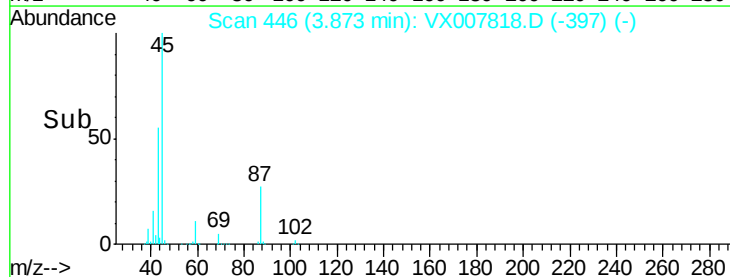
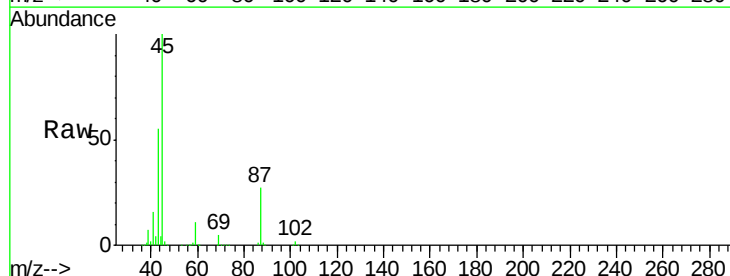
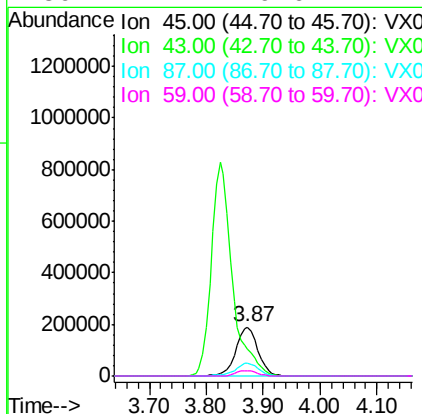
RT: 3.87 min Scan# 446

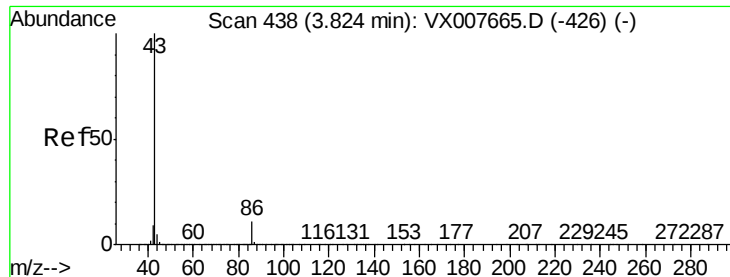
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	45	Resp:	515256
Ion Ratio	Lower	Upper	
45	100		
43	55.1	48.9	73.3
87	26.6	23.9	35.9
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 233.791 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 43 Resp: 2120854

Ion Ratio Lower Upper

43 100

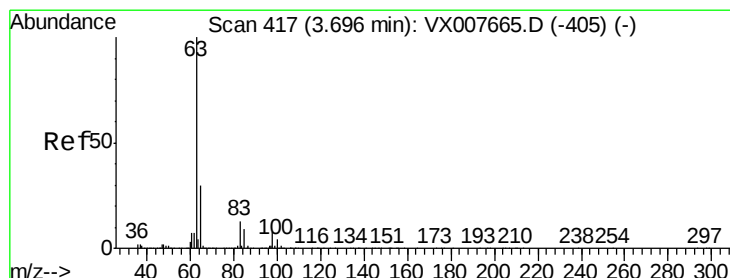
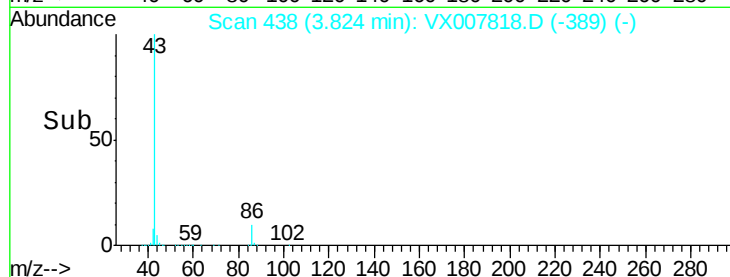
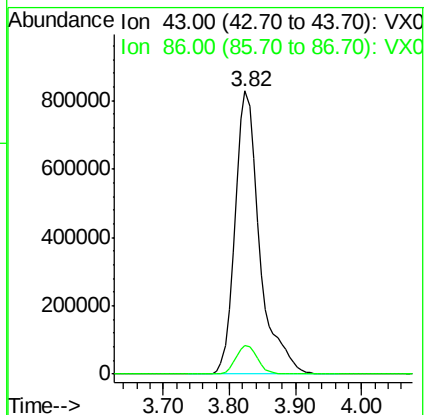
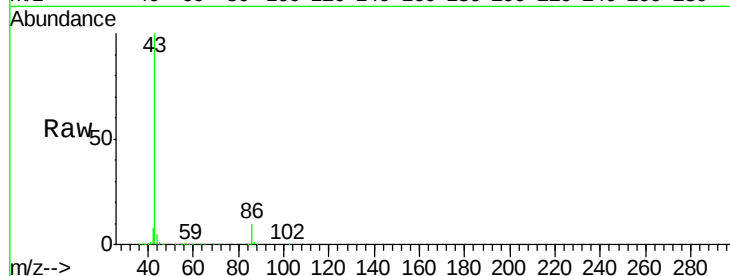
86 10.0 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



#24

1,1-Dichloroethane

Concen: 48.756 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

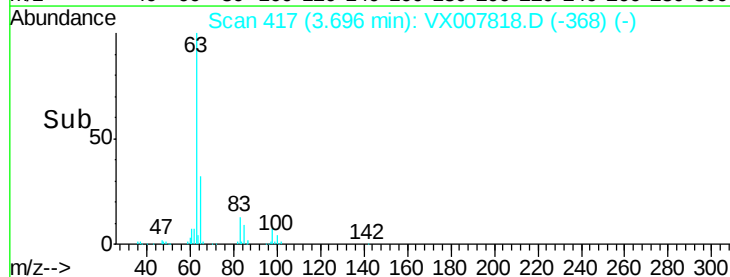
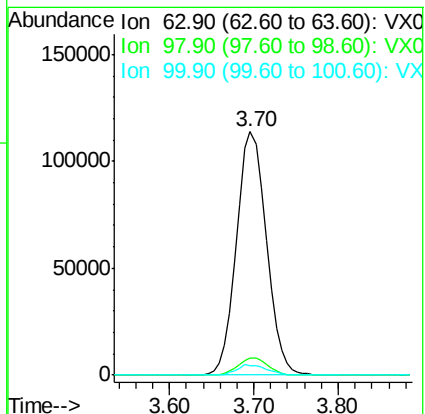
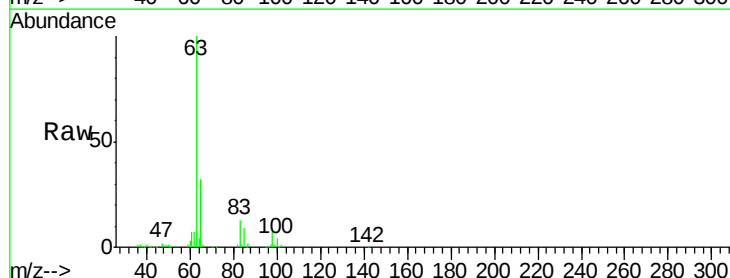
Tgt Ion: 63 Resp: 273977

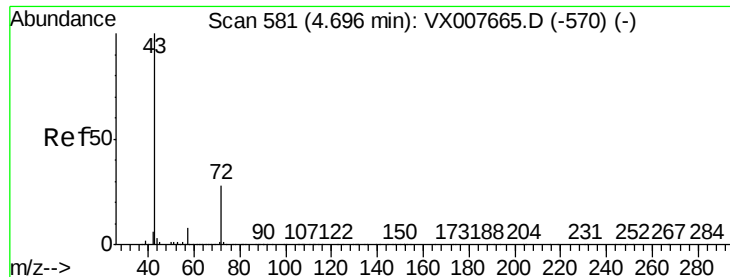
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 245.317 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 43 Resp: 632129

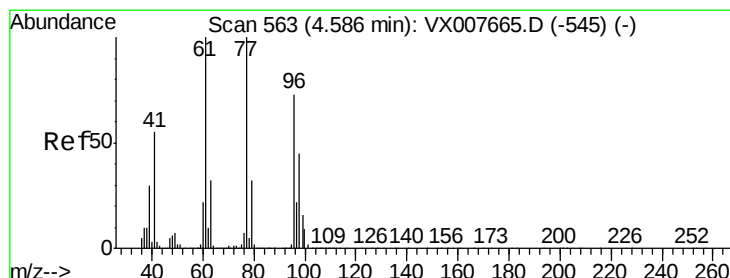
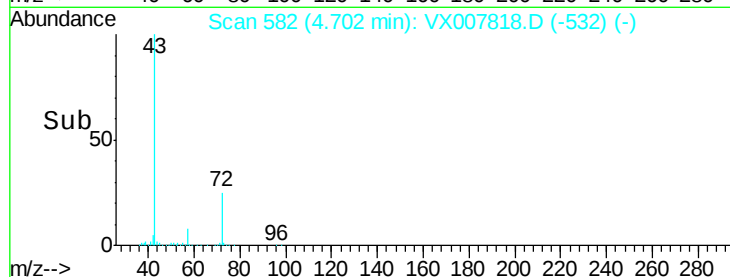
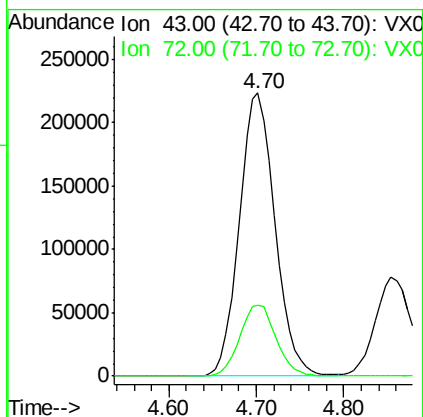
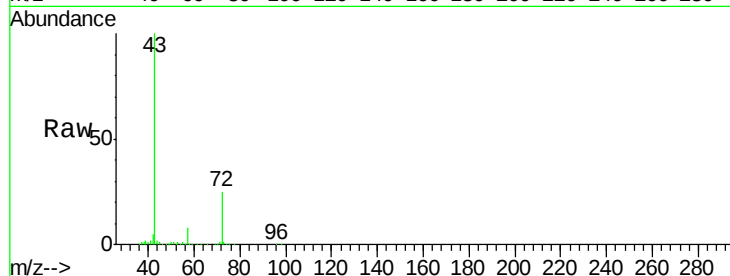
Ion Ratio Lower Upper

43 100

72 25.1 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#26

2,2-Dichloropropane

Concen: 39.057 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007818.D

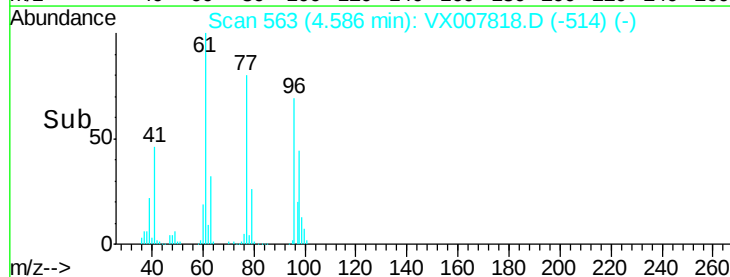
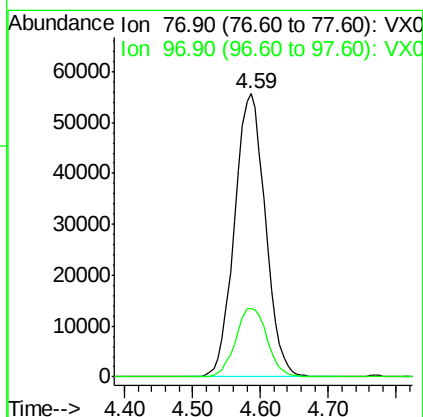
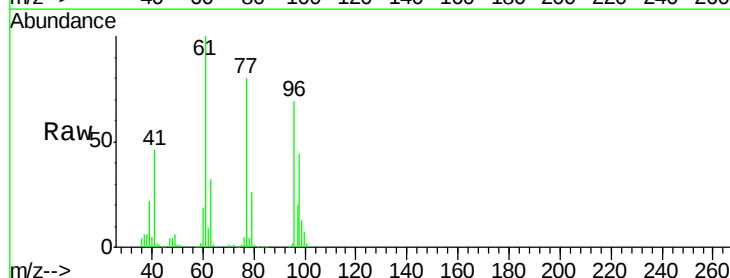
Acq: 04 Mar 2019 18:35

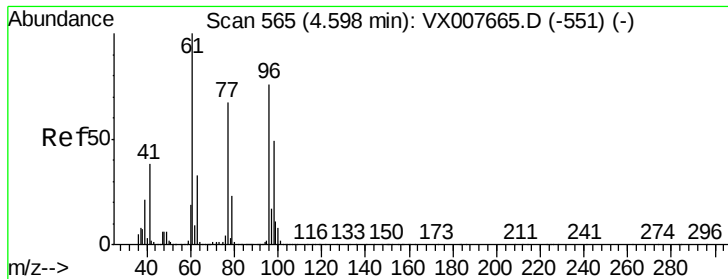
Tgt Ion: 77 Resp: 175194

Ion Ratio Lower Upper

77 100

97 24.8 12.1 36.3





#27

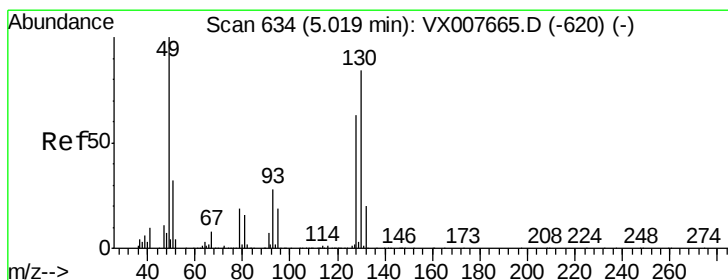
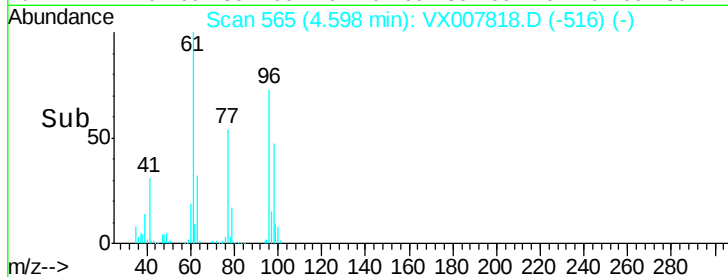
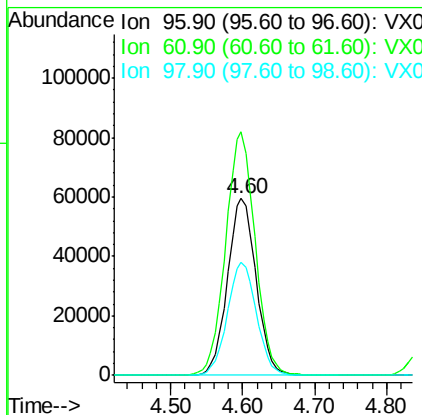
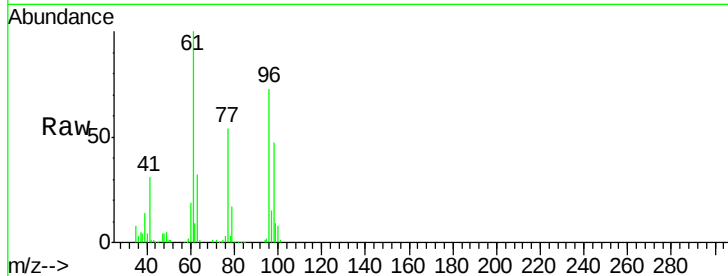
cis-1,2-Dichloroethene
Concen: 44.381 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	265.6
98	64.7	0.0	131.6

Manual Integrations
APPROVED

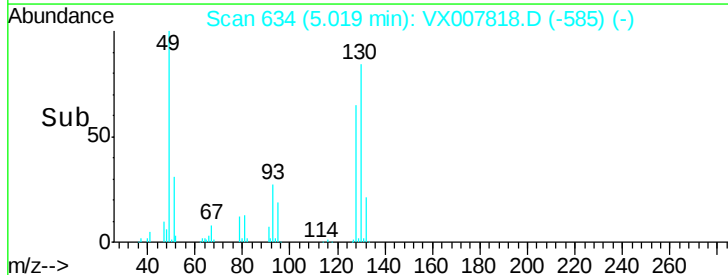
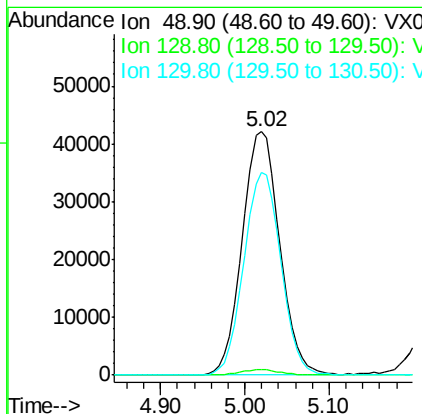
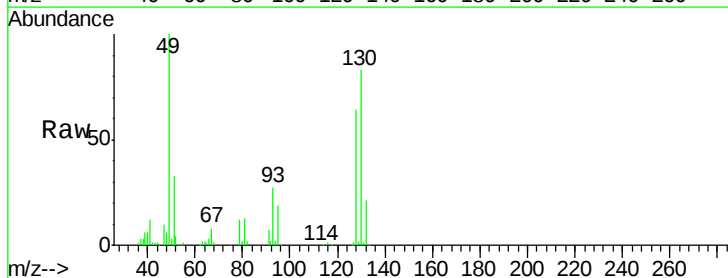
MMDadoda
3/5/2019 9:34:48 AM

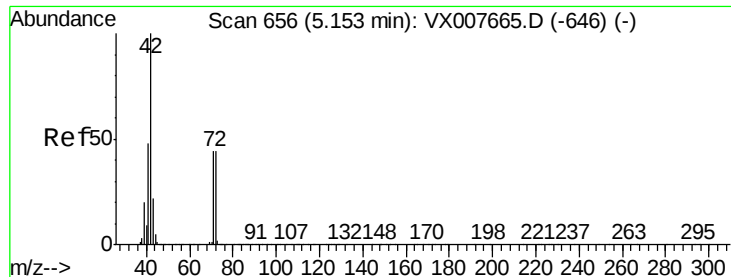


#28

Bromochloromethane
Concen: 46.532 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.6
130	82.5	75.6	113.4





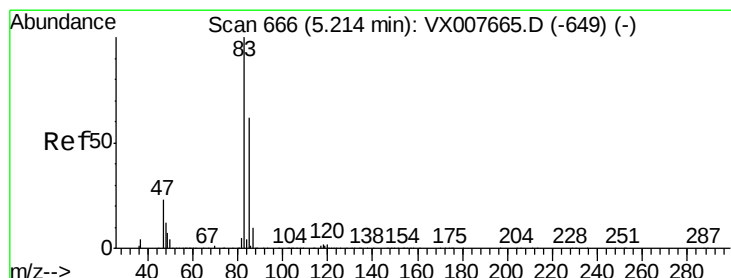
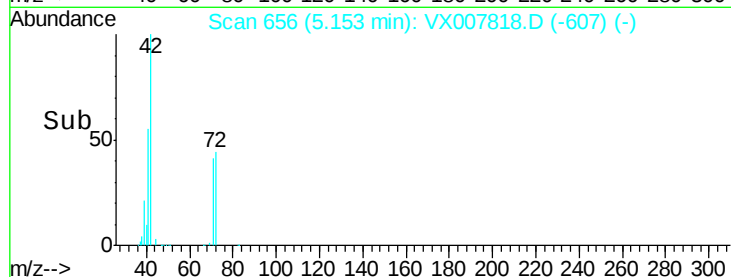
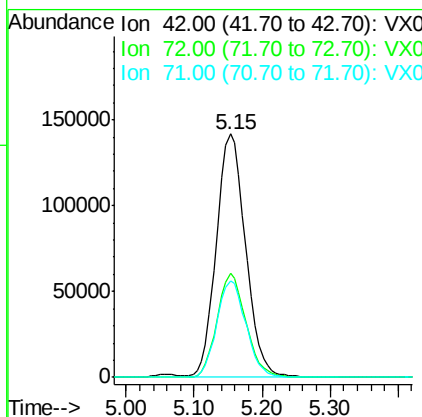
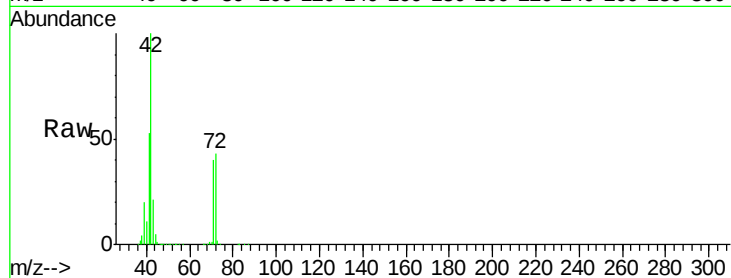
#29
Tetrahydrofuran
Concen: 248.766 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	422541		
72	72	42.3		37.6	56.4
71	71	39.6		34.6	51.8

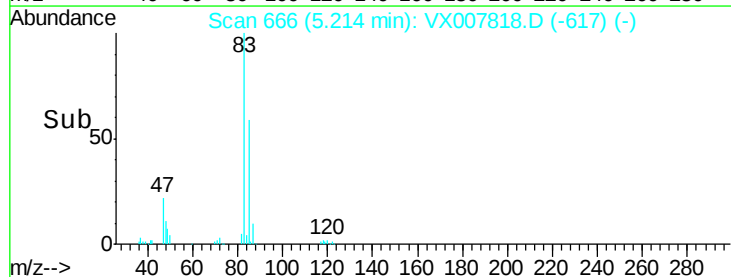
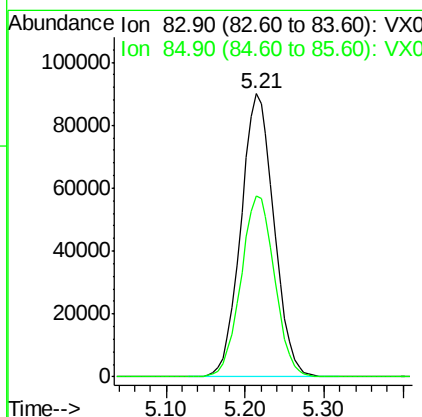
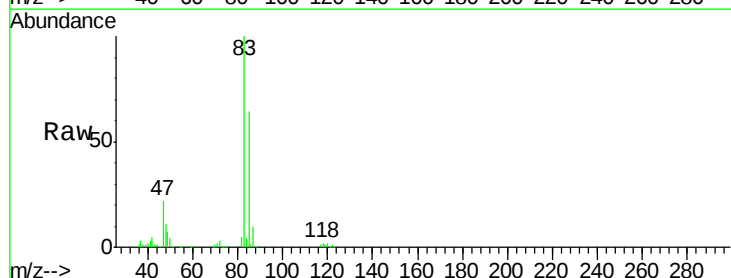
Manual Integrations
APPROVED

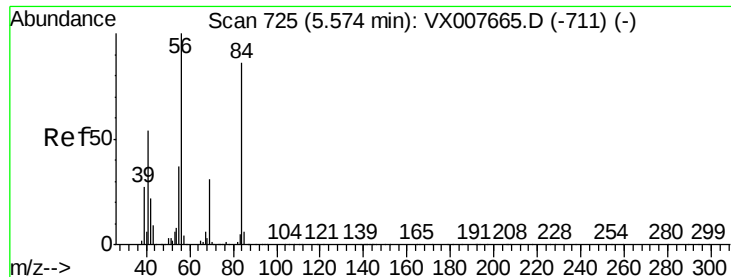
MMDadoda
3/5/2019 9:34:48 AM



#30
Chloroform
Concen: 43.542 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	262093		
85	85	63.9		51.6	77.4





#31

Cyclohexane

Concen: 44.609 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

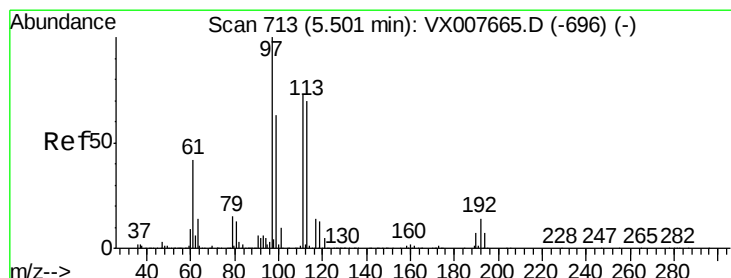
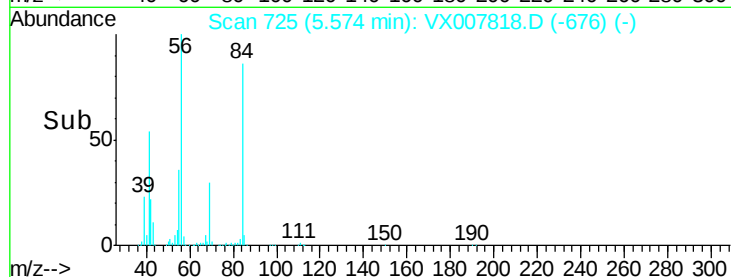
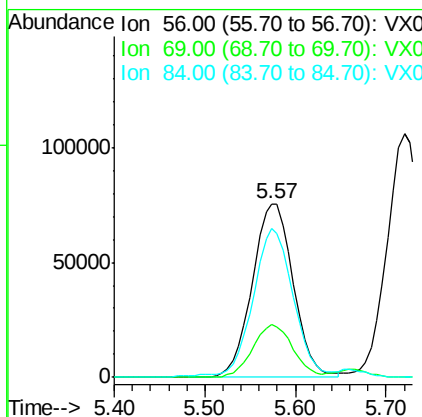
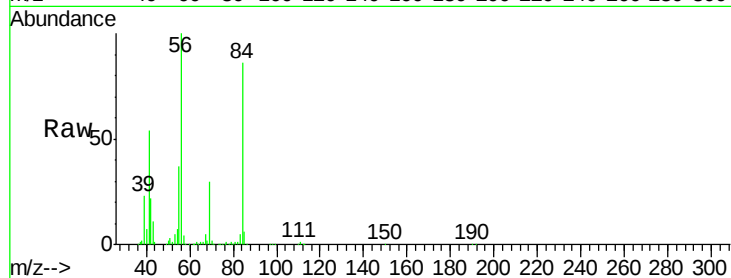
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	56	Resp:	235797
Ion Ratio	Lower	Upper	
56	100		
69	30.5	23.0	34.6
84	85.0	69.8	104.6

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#32

1,1,1-Trichloroethane

Concen: 44.517 ug/l

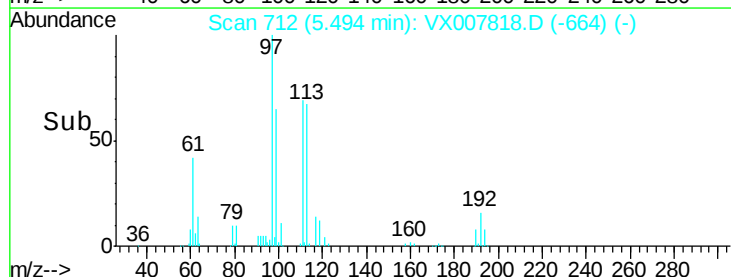
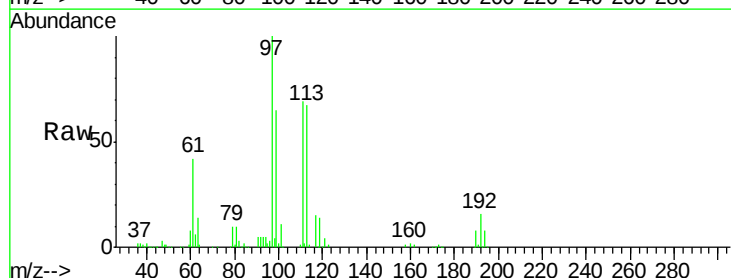
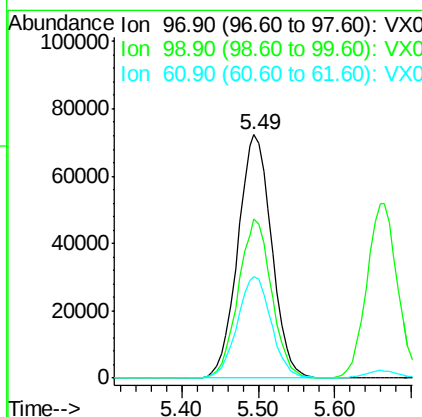
RT: 5.49 min Scan# 712

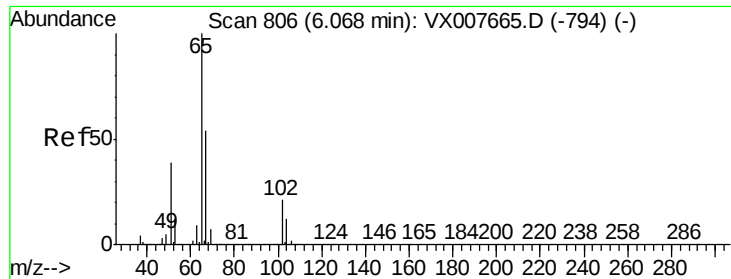
Delta R.T. -0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	97	Resp:	221612
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.2	78.2
61	41.9	32.7	49.1





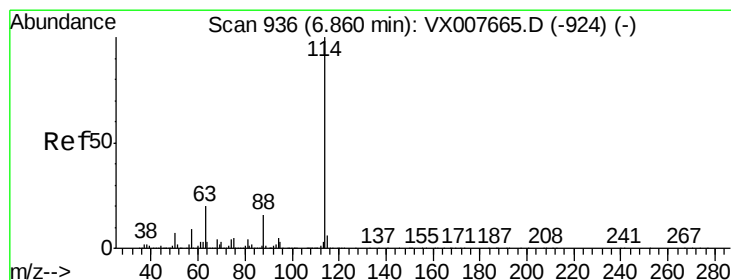
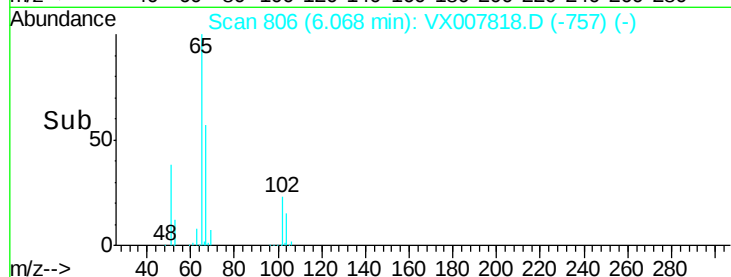
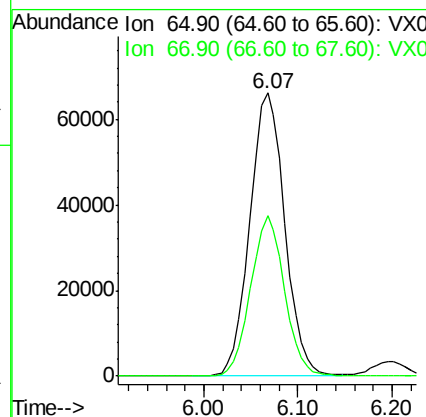
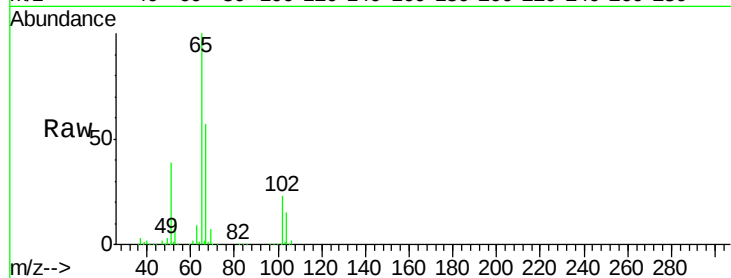
#33
 1,2-Dichloroethane-d4
 Concen: 45.028 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171286		
67	55.1	0.0	108.8	

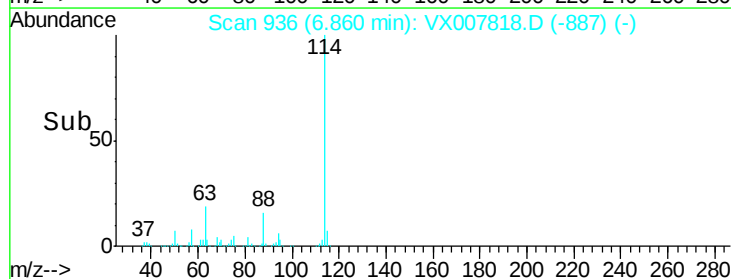
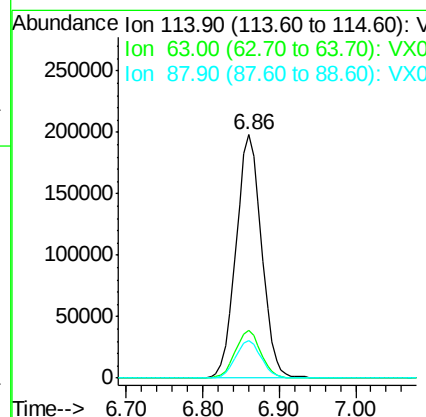
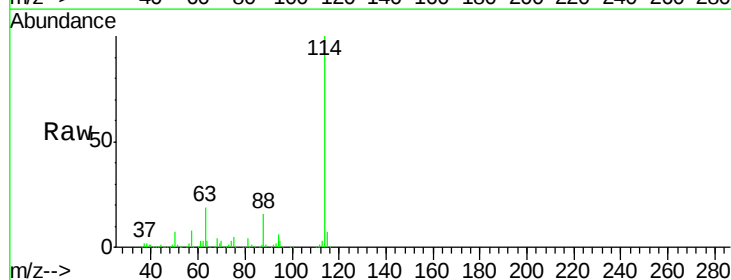
Manual Integrations
 APPROVED

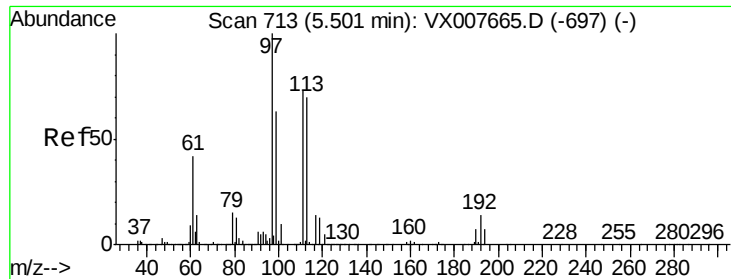
MMDadoda
 3/5/2019 9:34:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457328		
63	19.4	0.0	35.6	
88	15.5	0.0	29.6	





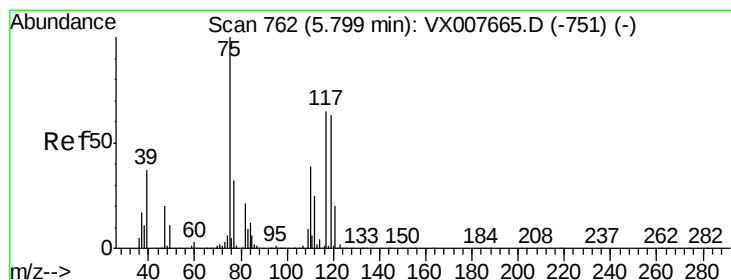
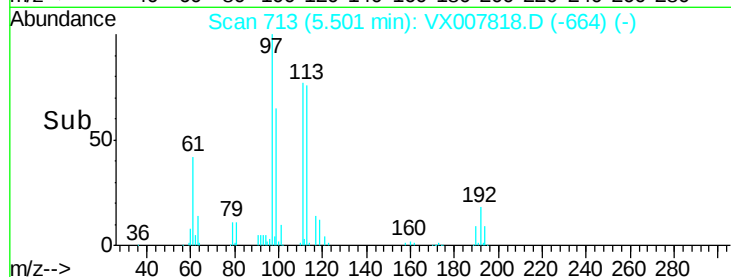
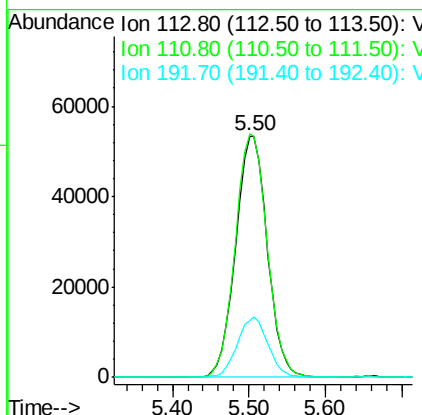
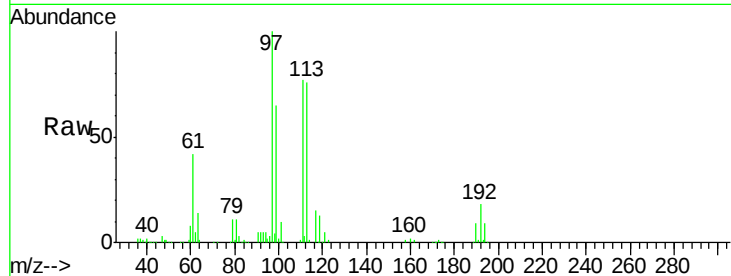
#35
 Dibromofluoromethane
 Concen: 50.100 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.8
192	24.4	18.5	27.7

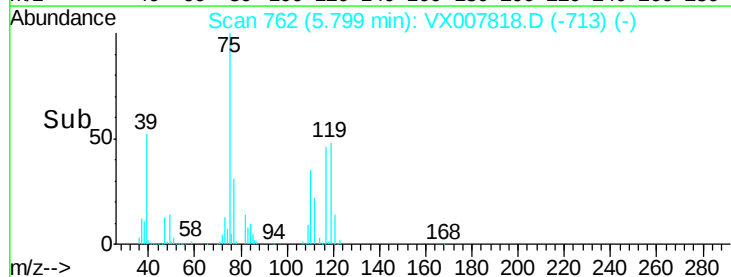
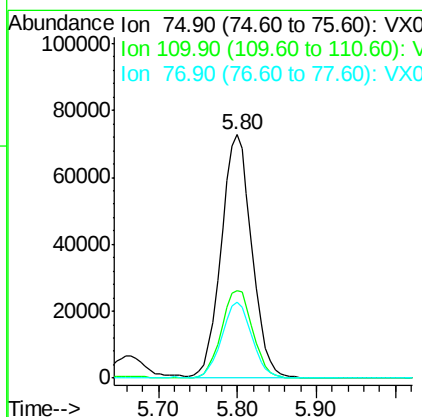
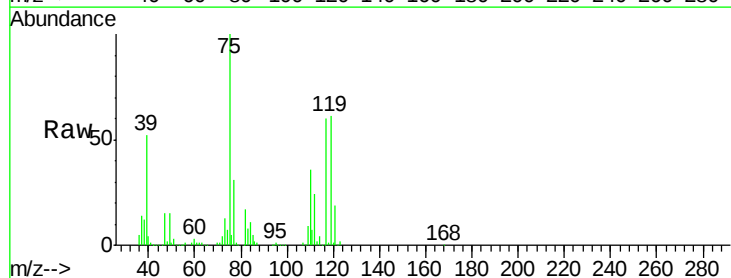
Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:34:48 AM



#36
 1,1-Dichloropropene
 Concen: 47.390 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	20.0	59.9
77	31.2	24.7	37.1





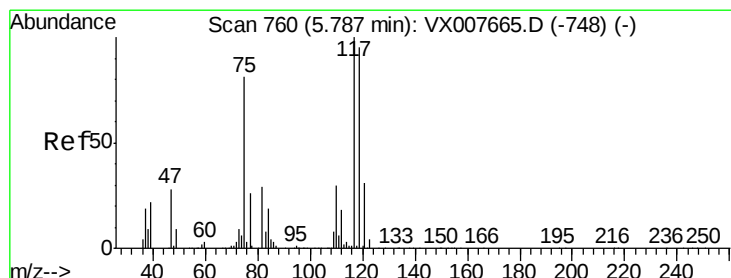
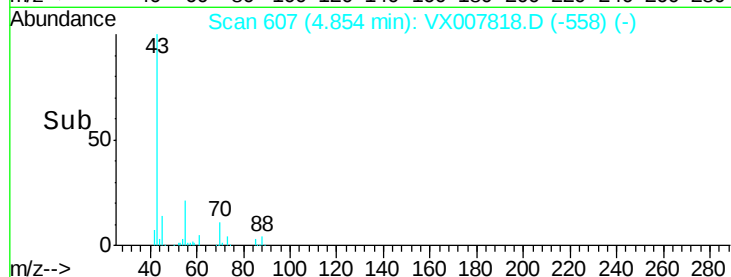
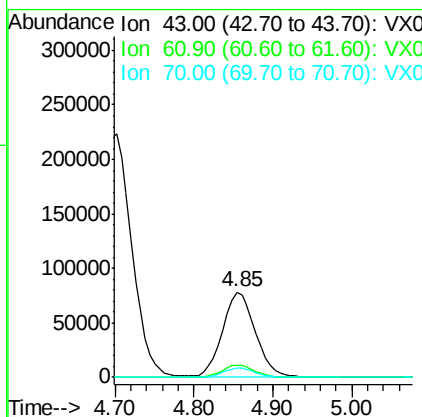
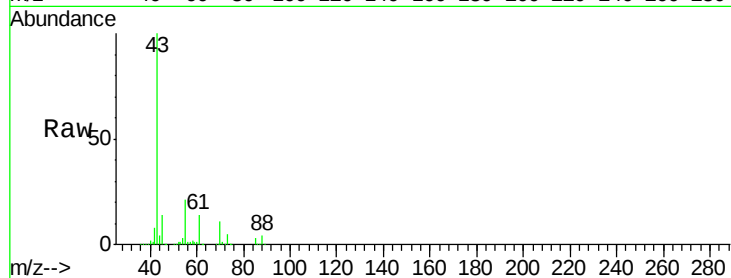
#37
Ethyl Acetate
Concen: 49.609 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.9	8.6	13.0

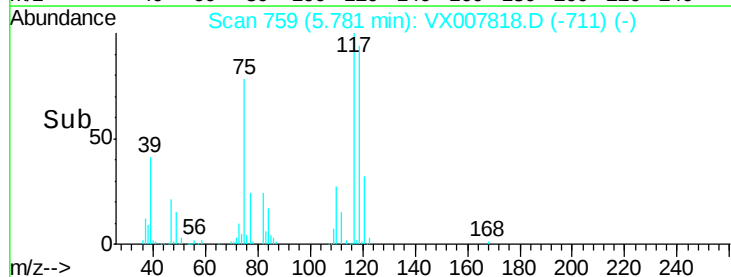
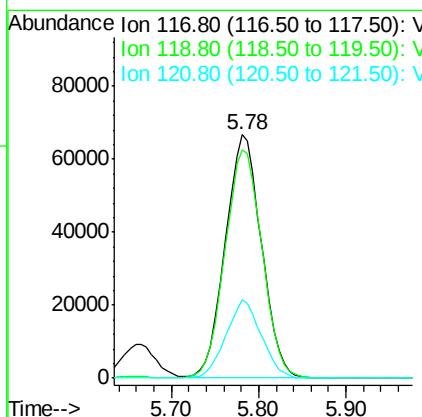
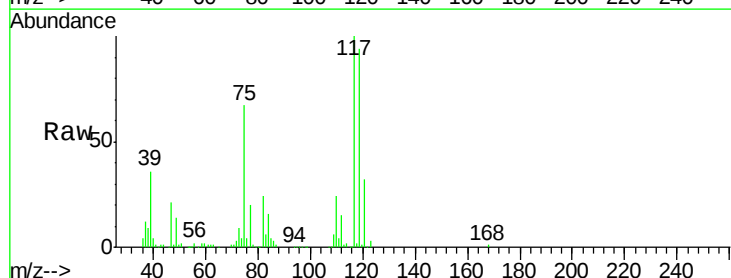
Manual Integrations
APPROVED

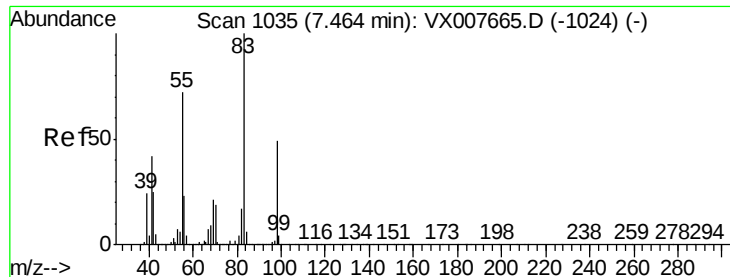
MMDadoda
3/5/2019 9:34:48 AM



#38
Carbon Tetrachloride
Concen: 46.428 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.3	112.9
121	32.0	25.0	37.4





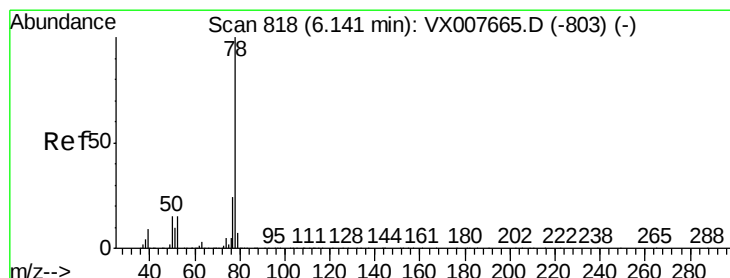
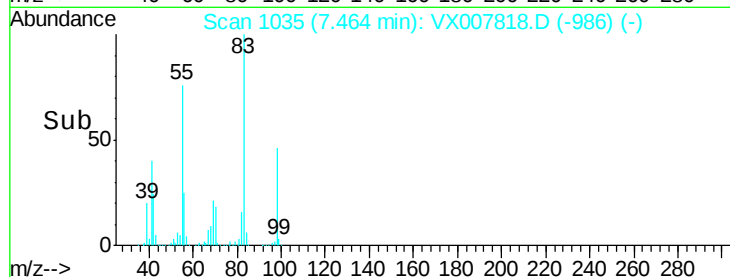
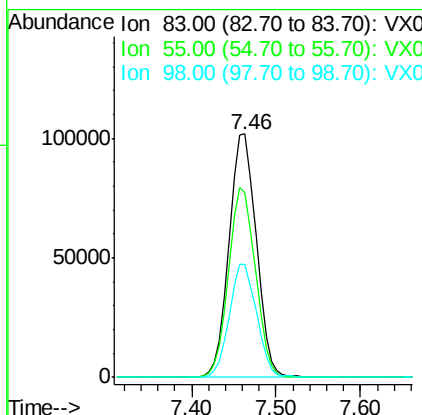
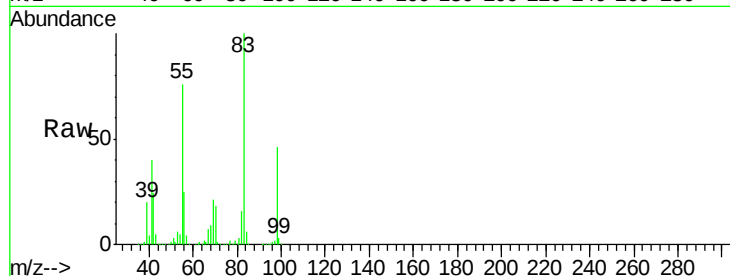
#39
Methvlcvclohexane
Concen: 43.125 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	56.2	84.2
98	46.3	36.8	55.2

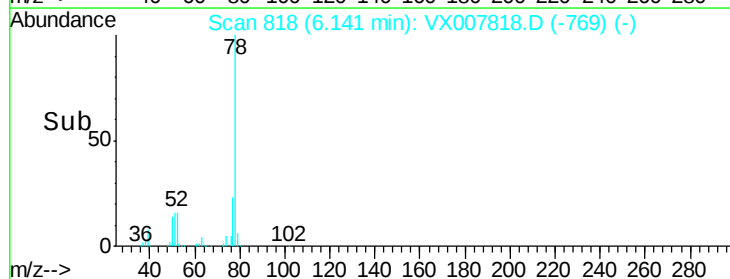
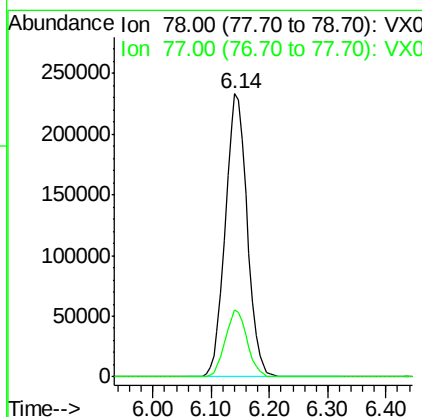
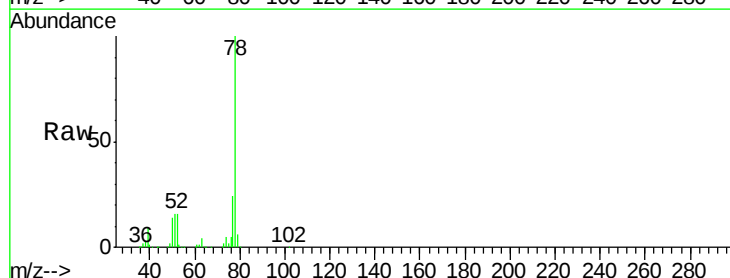
Manual Integrations
APPROVED

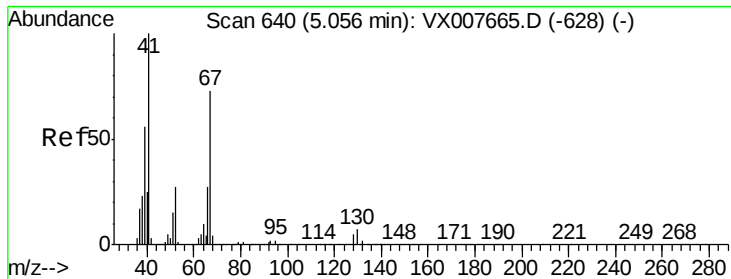
MMDadoda
3/5/2019 9:34:48 AM



#40
Benzene
Concen: 48.061 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





#41

Methacrylonitrile

Concen: 55.259 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

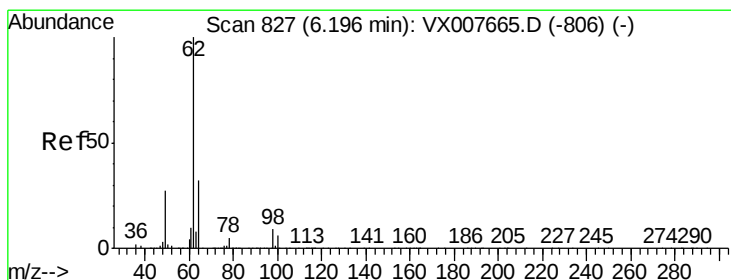
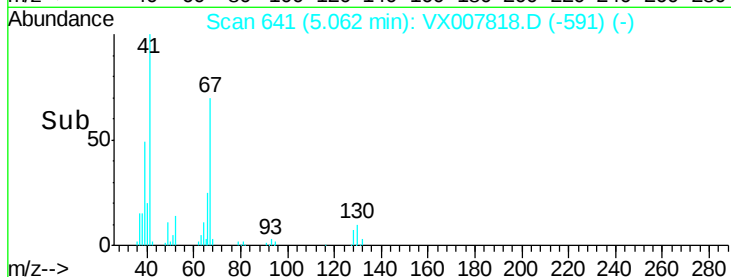
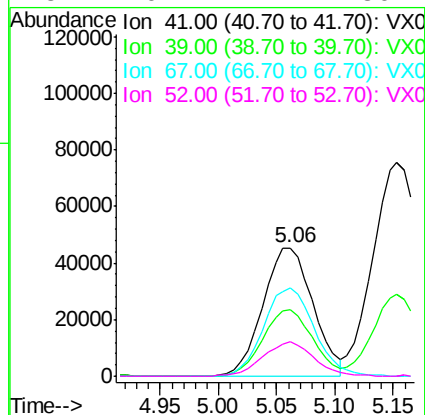
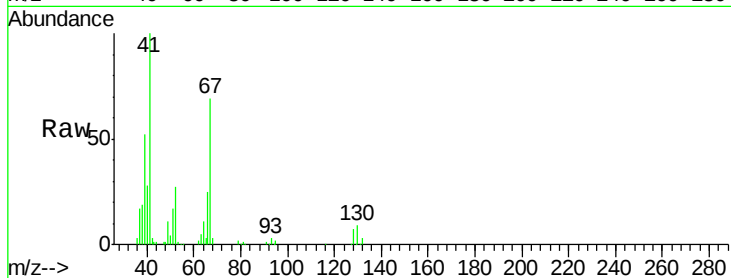
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.0	44.5	66.7		
67	70.2	60.4	90.6		
52	26.7	24.1	36.1		

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#42

1,2-Dichloroethane

Concen: 46.837 ug/l

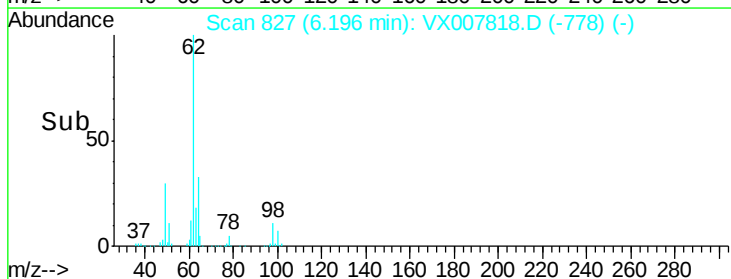
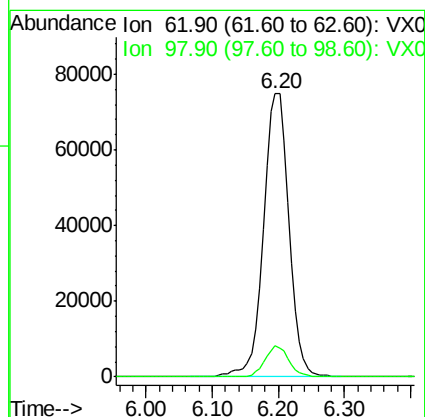
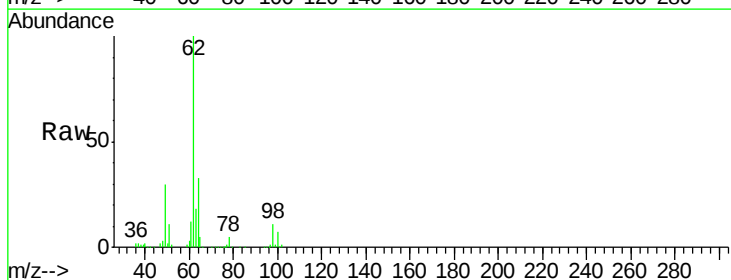
RT: 6.20 min Scan# 827

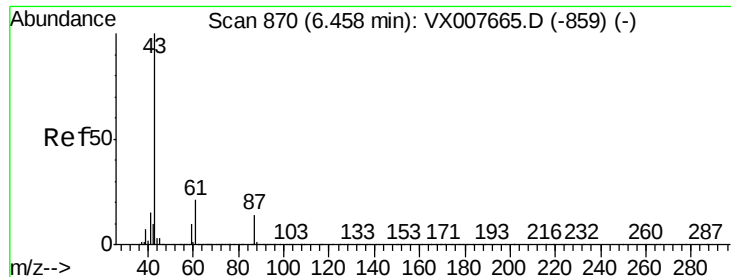
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	19.0		





#43

Isopropyl Acetate

Concen: 51.931 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

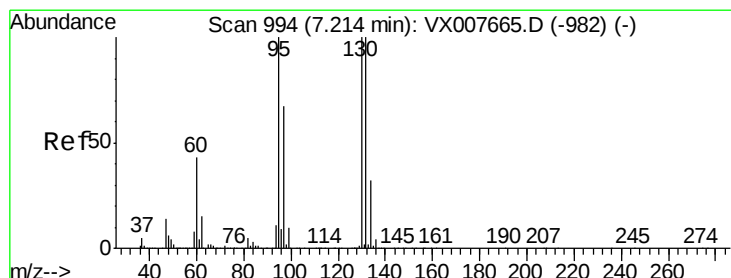
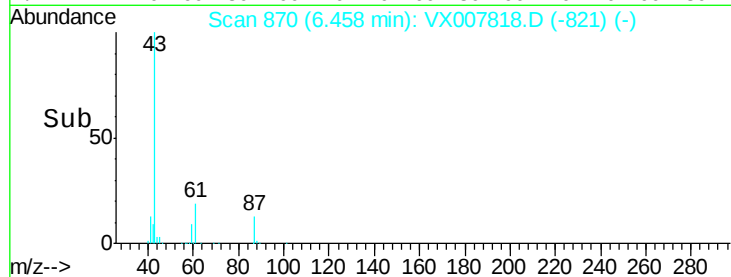
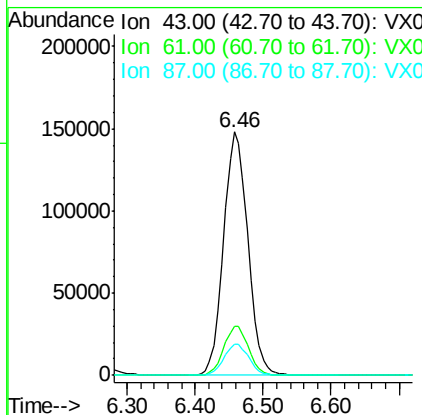
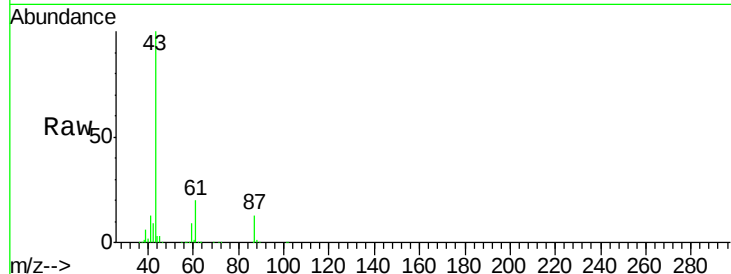
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	43	Resp:	365038
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.1	24.1
87	13.2	11.5	17.3

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#44

Trichloroethene

Concen: 56.532 ug/l

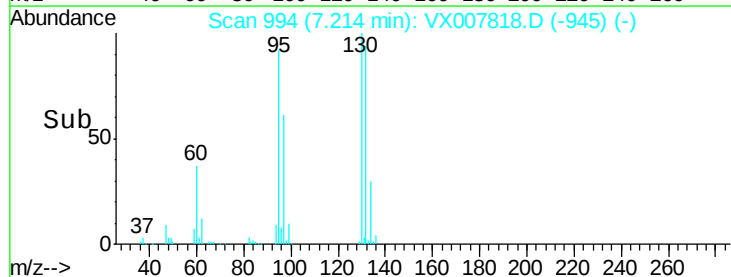
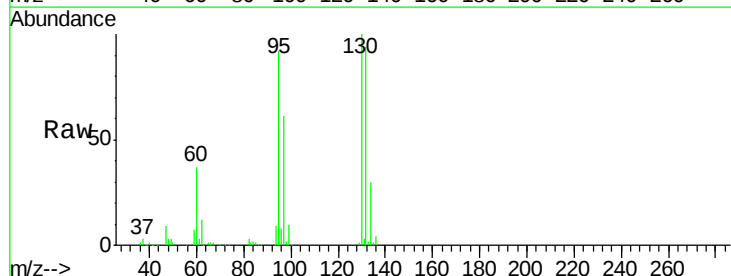
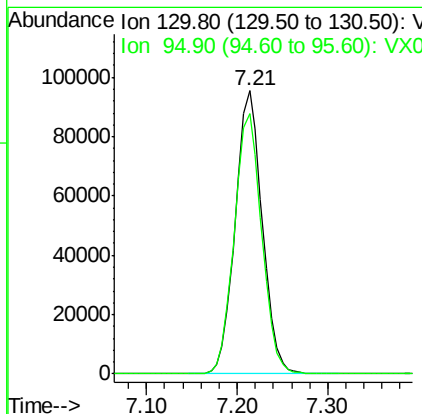
RT: 7.21 min Scan# 994

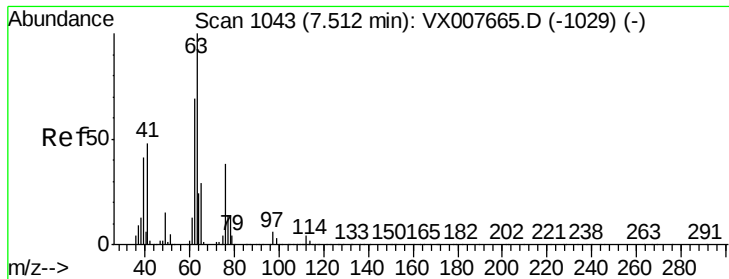
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	130	Resp:	197378
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	180.0





#45

1,2-Dichloropropane

Concen: 49.930 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 63 Resp: 164158

Ion Ratio Lower Upper

63 100

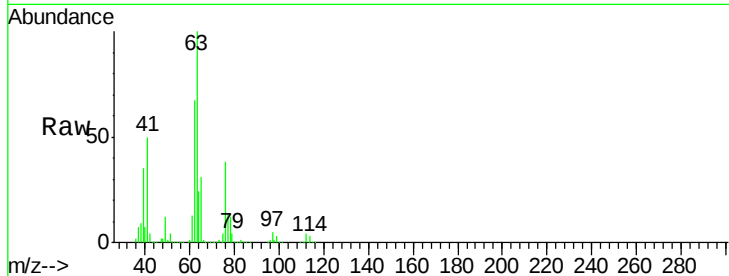
65 30.7 24.2 36.2

Manual Integrations

APPROVED

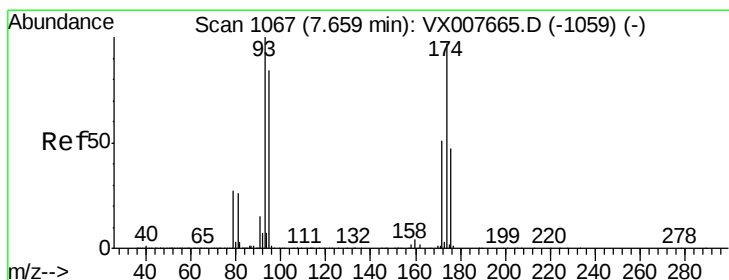
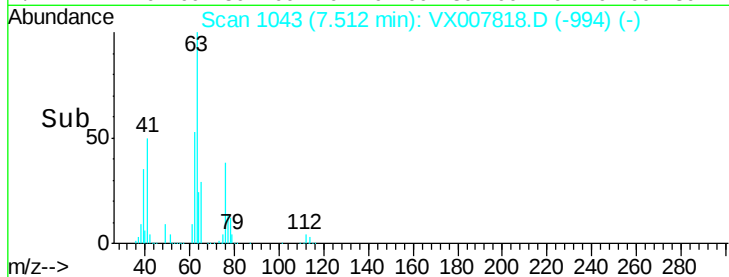
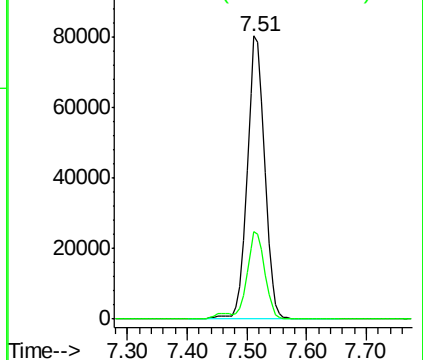
MMDadoda

3/5/2019 9:34:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 44.402 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

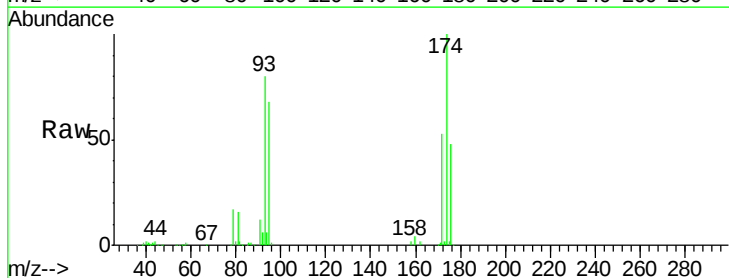
Tgt Ion: 93 Resp: 101843

Ion Ratio Lower Upper

93 100

95 84.7 67.6 101.4

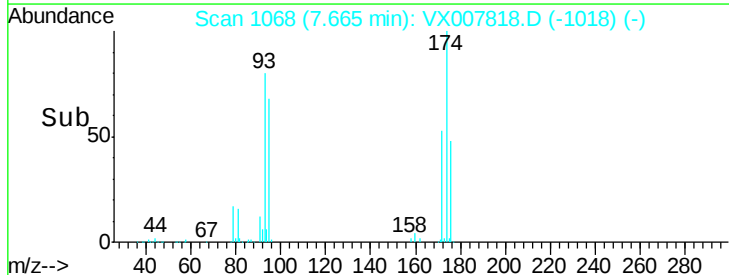
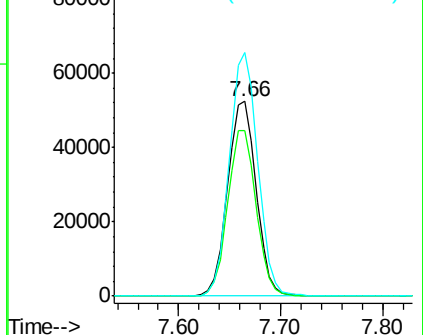
174 123.4 94.2 141.4

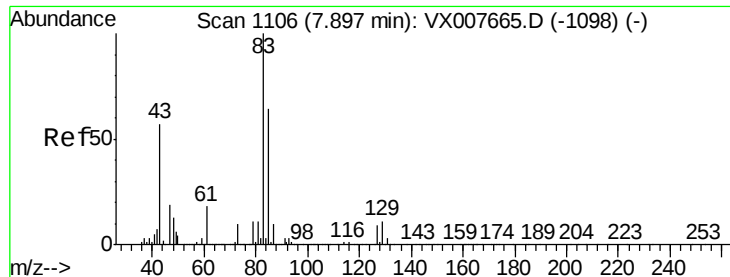


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.340 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

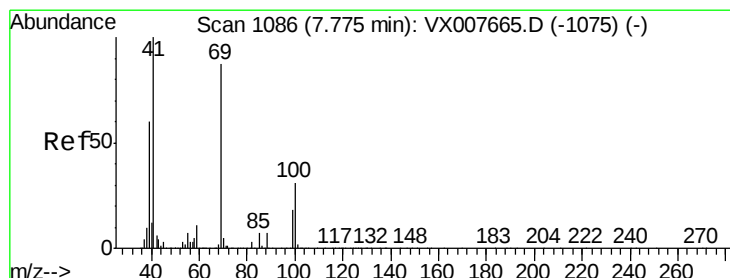
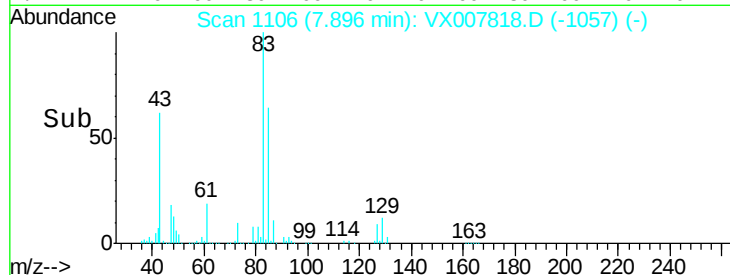
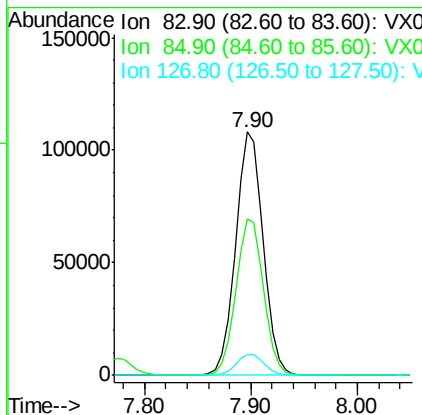
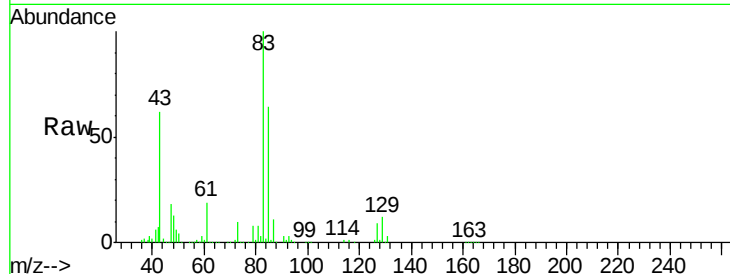
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	83	Resp:	196118
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.0
127	8.8	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#48

Methyl methacrylate

Concen: 52.806 ug/l

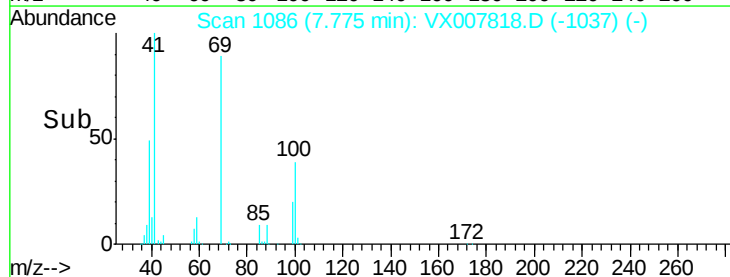
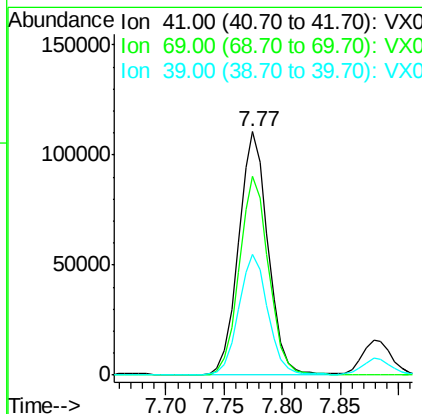
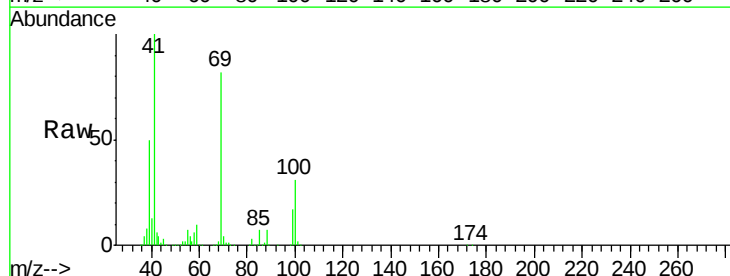
RT: 7.77 min Scan# 1086

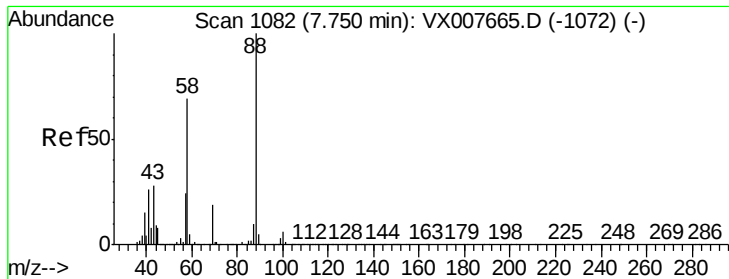
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	41	Resp:	194569
Ion Ratio	Lower	Upper	
41	100		
69	82.3	70.2	105.4
39	49.6	47.4	71.0





#49

1,4-Dioxane

Concen: 930.467 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

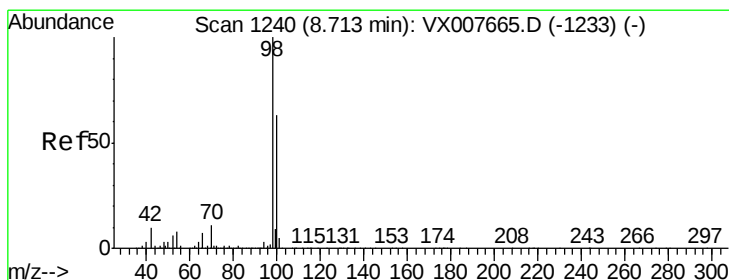
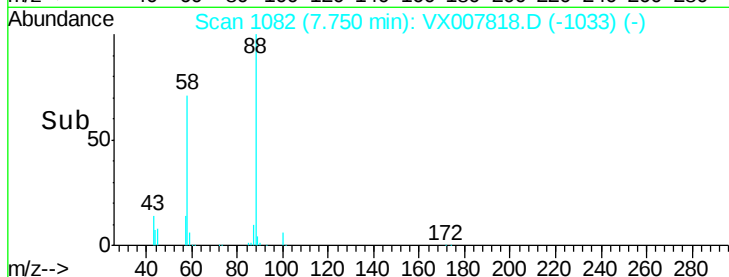
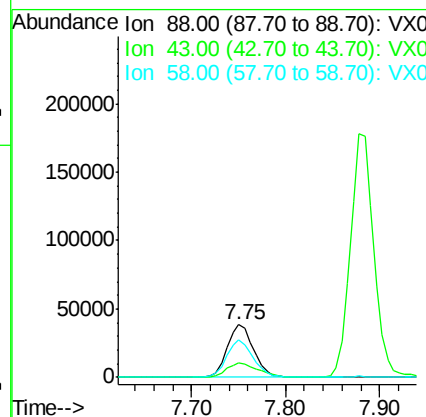
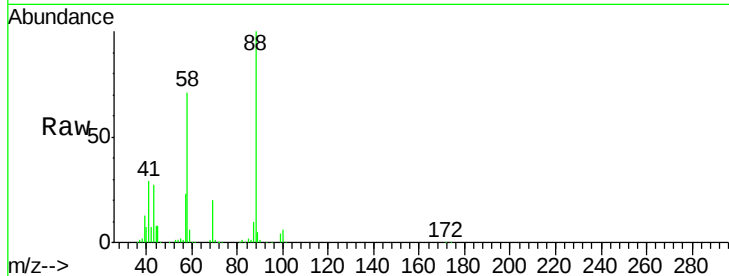
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	88	Resp:	74048
Ion	Ratio	Lower	Upper
88	100		
43	31.5	24.2	36.4
58	72.2	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#50

Toluene-d8

Concen: 47.836 ug/l

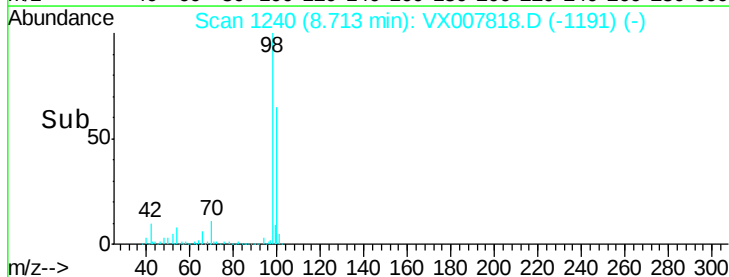
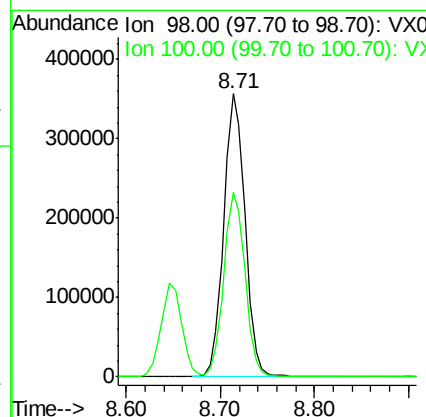
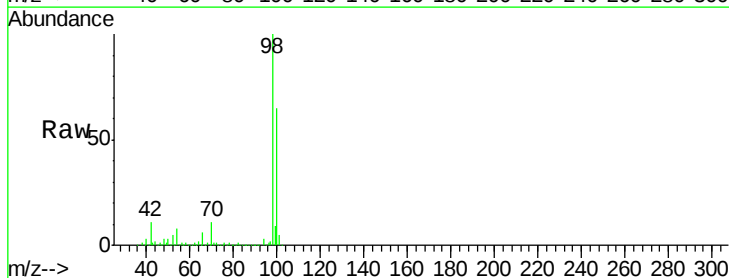
RT: 8.71 min Scan# 1240

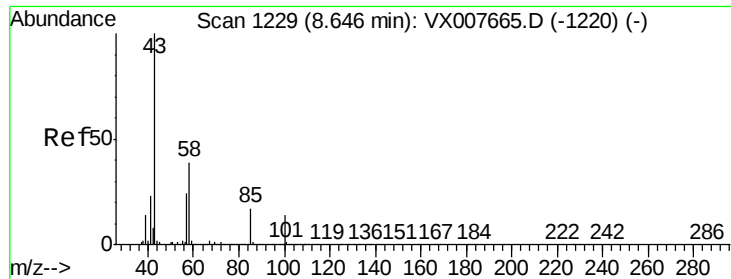
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	98	Resp:	559865
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.6	77.4





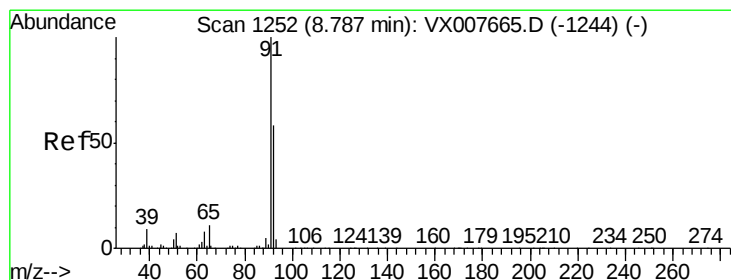
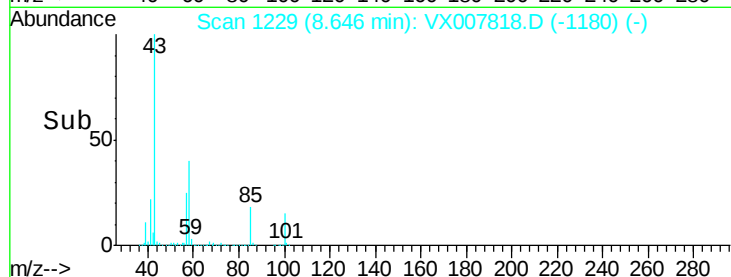
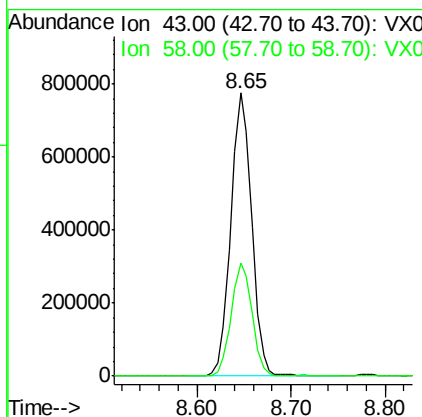
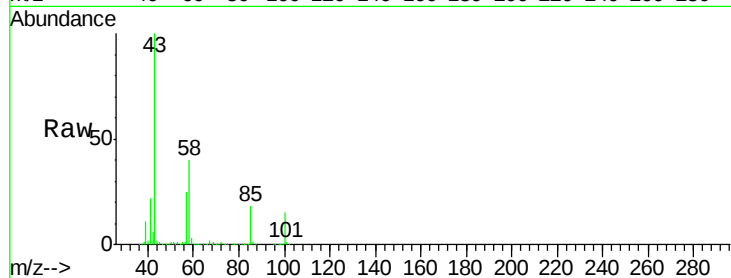
#51
4-Methyl-2-Pentanone
Concen: 253.427 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion: 43 Resp: 1192433
Ion Ratio Lower Upper
43 100
58 39.7 31.2 46.8

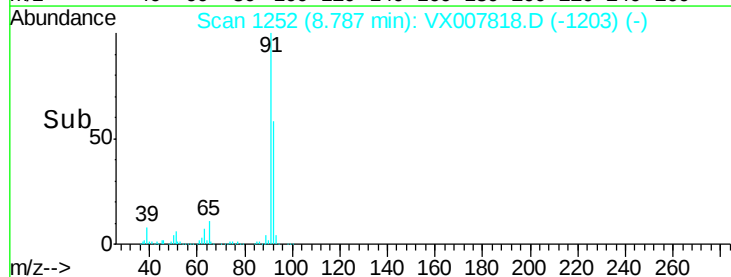
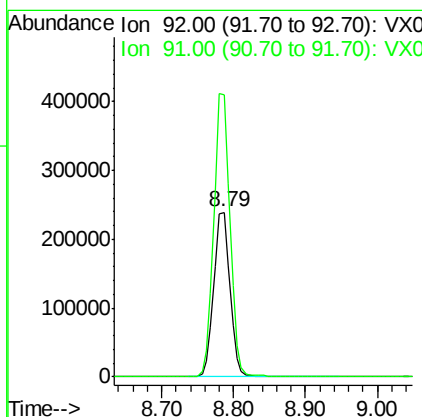
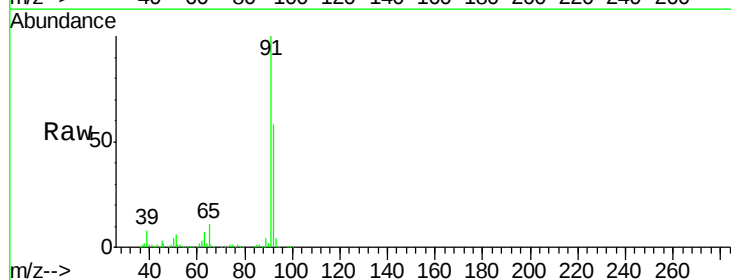
Manual Integrations
APPROVED

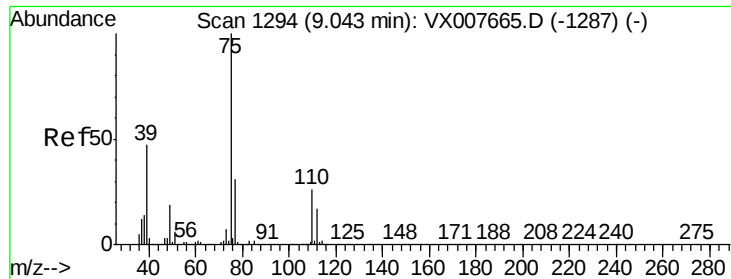
MMDadoda
3/5/2019 9:34:48 AM



#52
Toluene
Concen: 46.822 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion: 92 Resp: 374737
Ion Ratio Lower Upper
92 100
91 171.5 139.1 208.7





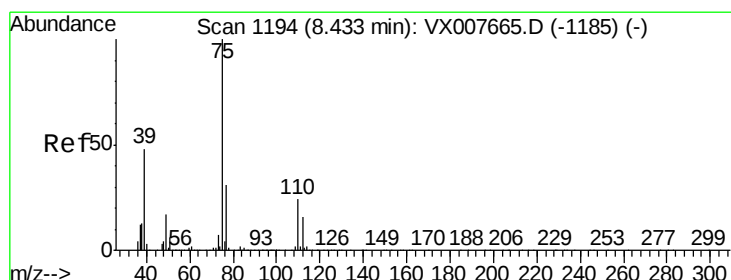
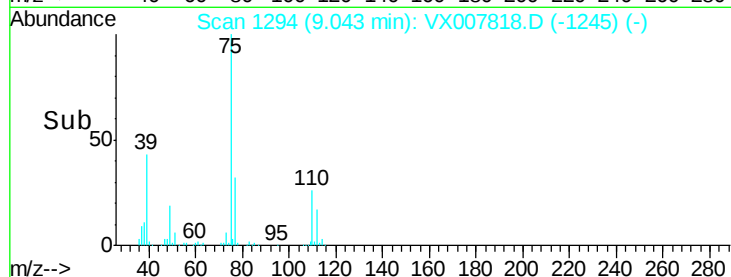
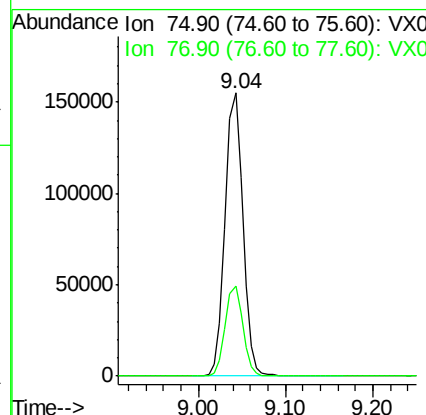
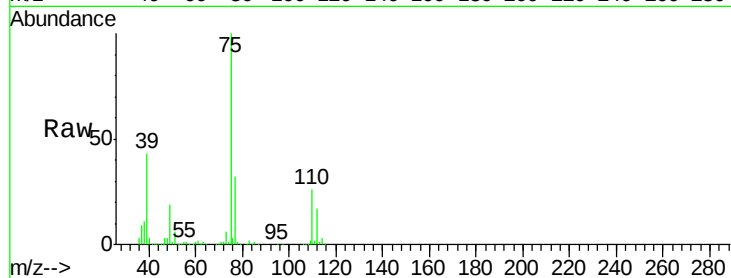
#53
t-1,3-Dichloropropene
Concen: 44.528 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8

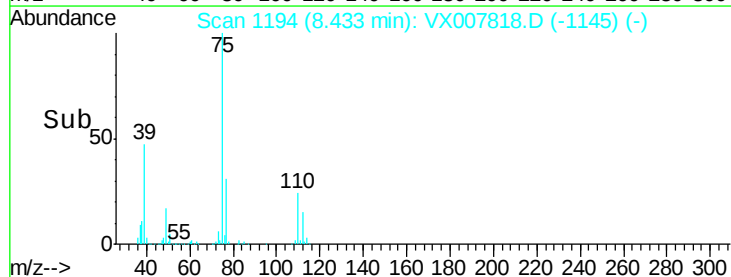
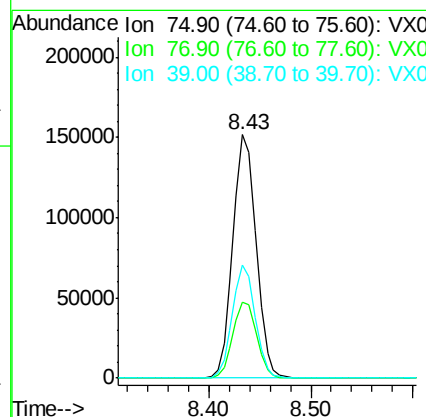
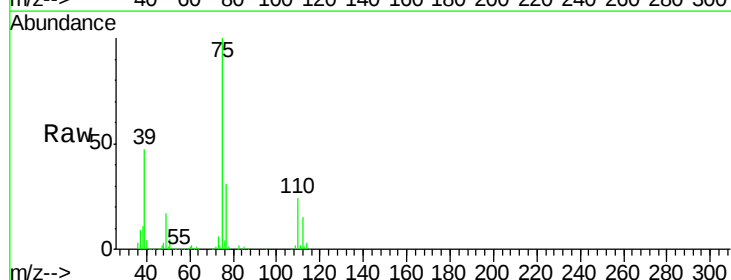
Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#54
cis-1,3-Dichloropropene
Concen: 49.675 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.4
39	46.6	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 46.657 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

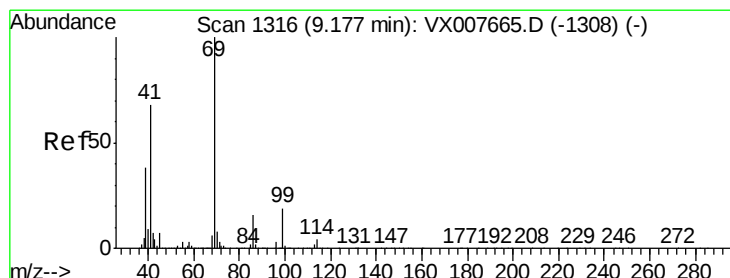
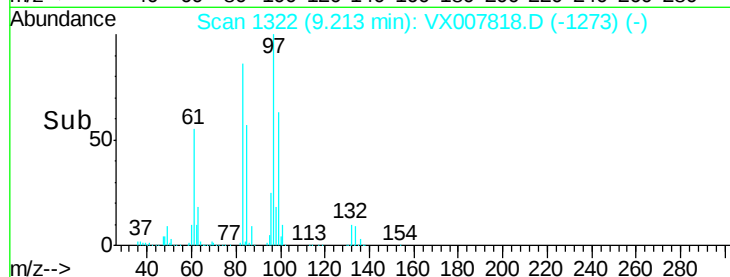
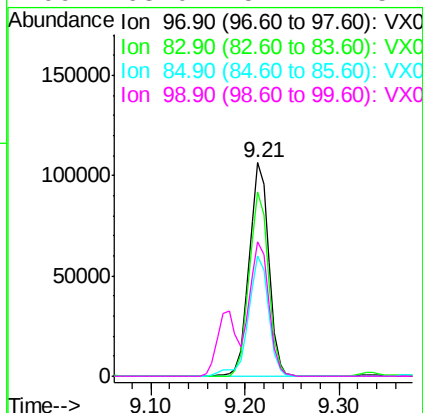
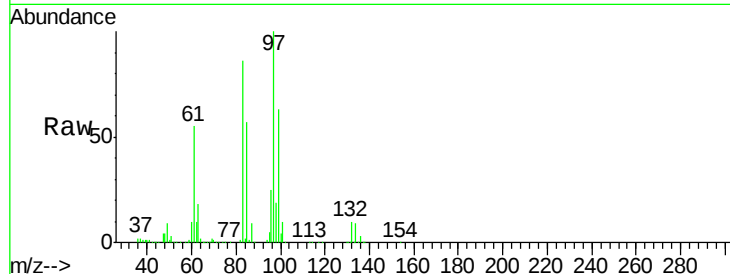
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	97	Resp:	155716
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.6	102.8
85	56.6	44.5	66.7
99	63.0	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#56

Ethyl methacrylate

Concen: 51.151 ug/l

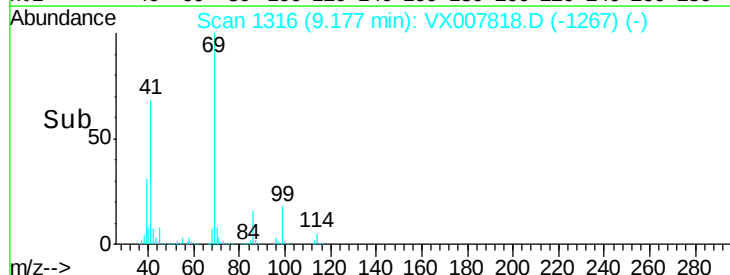
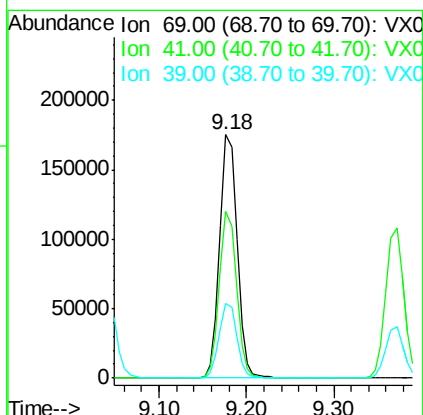
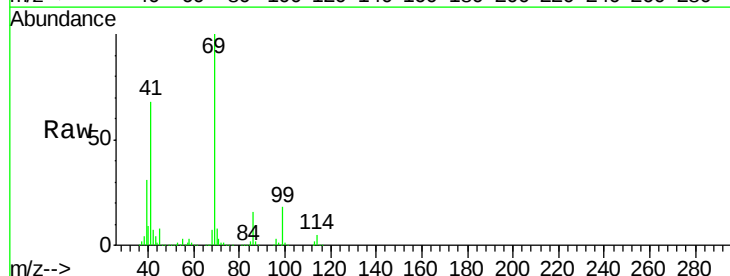
RT: 9.18 min Scan# 1316

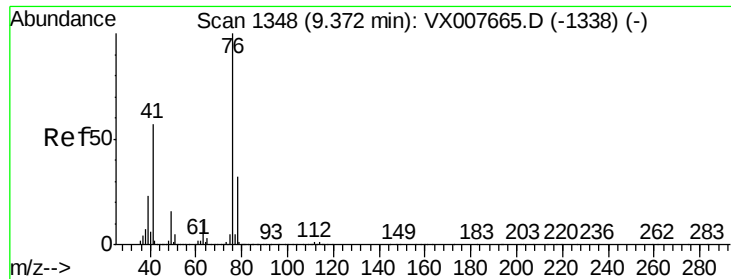
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	69	Resp:	242771
Ion	Ratio	Lower	Upper
69	100		
41	67.4	52.1	78.1
39	31.1	30.1	45.1





#57

1,3-Dichloropropane

Concen: 48.614 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 76 Resp: 259721

Ion Ratio Lower Upper

76 100

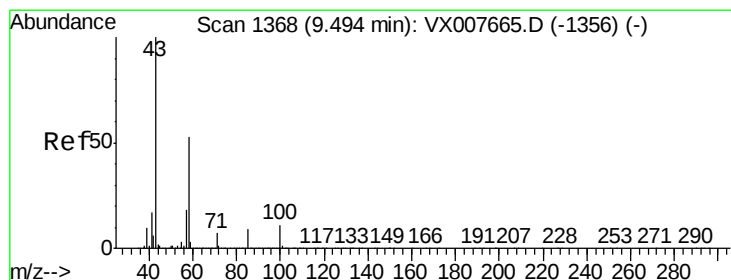
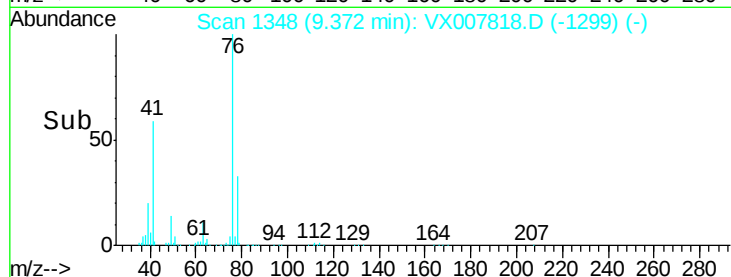
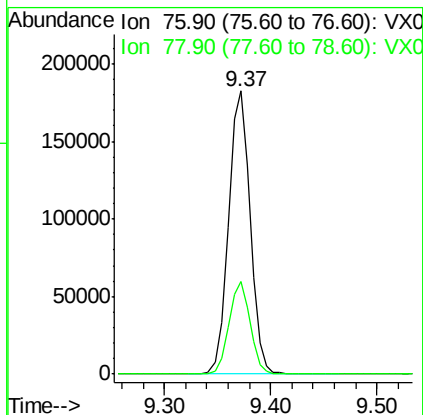
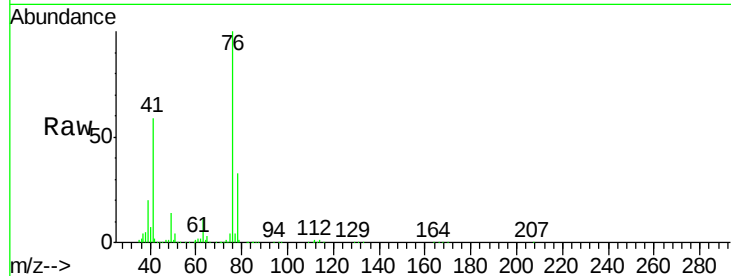
78 32.2 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



#59

2-Hexanone

Concen: 241.776 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX007818.D

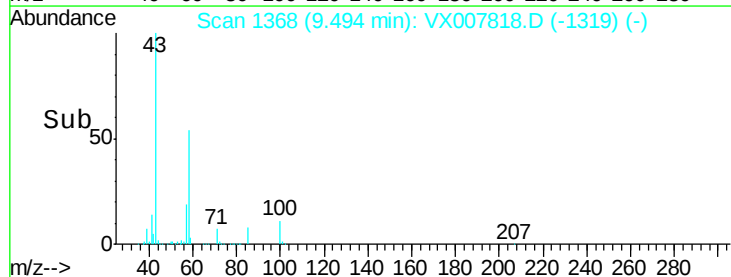
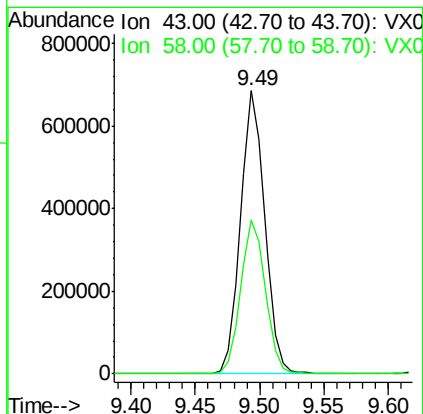
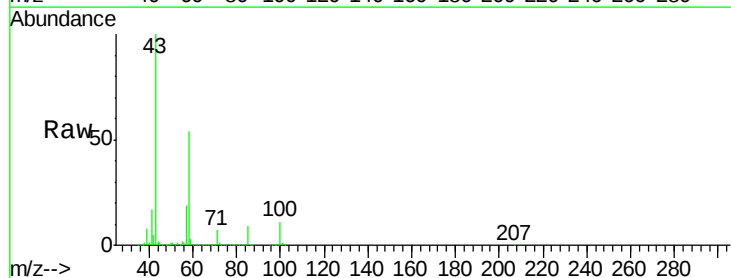
Acq: 04 Mar 2019 18:35

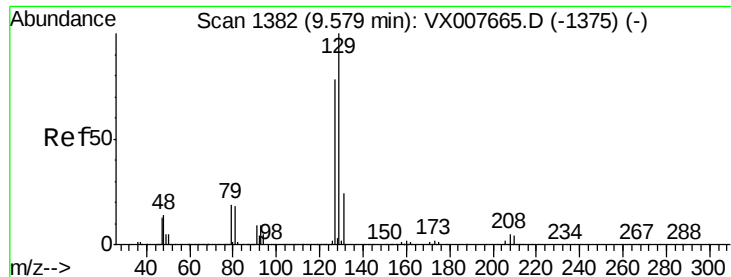
Tgt Ion: 43 Resp: 893130

Ion Ratio Lower Upper

43 100

58 55.5 27.1 81.3





#60

Dibromochloromethane

Concen: 50.993 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:129 Resp: 163759

Ion Ratio Lower Upper

129 100

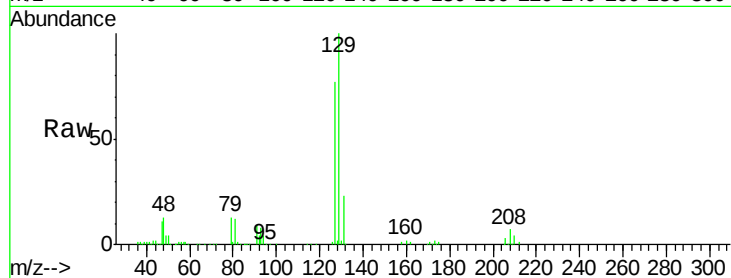
127 77.7 37.8 113.4

Manual Integrations

APPROVED

MMDadoda

3/5/2019 9:34:48 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

120000

100000

80000

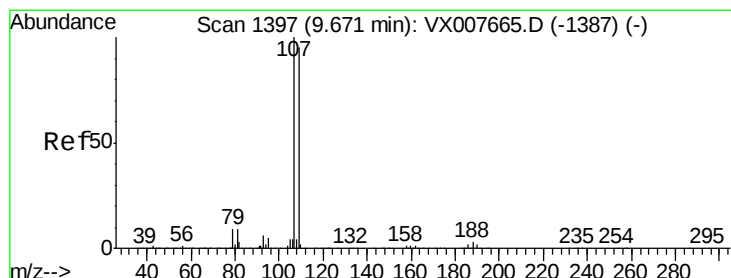
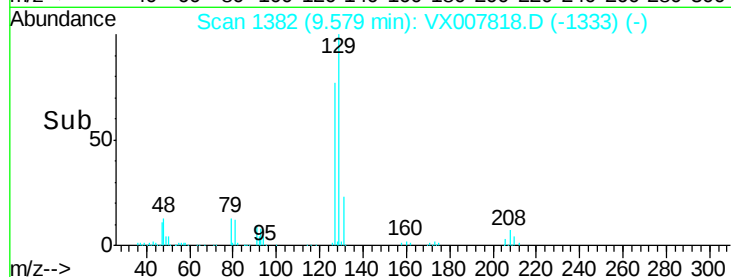
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 47.199 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007818.D

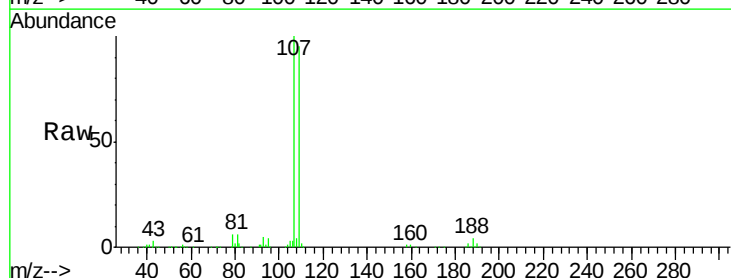
Acq: 04 Mar 2019 18:35

Tgt Ion:107 Resp: 163552

Ion Ratio Lower Upper

107 100

109 95.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

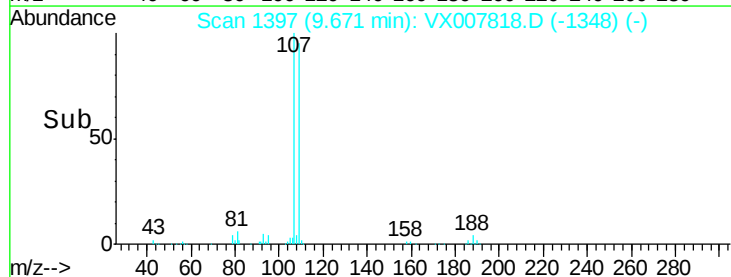
9.67

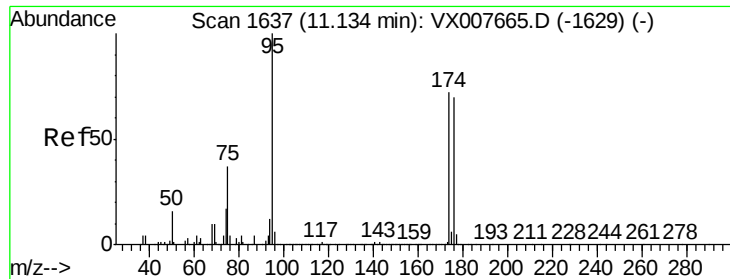
100000

50000

0

Time-->





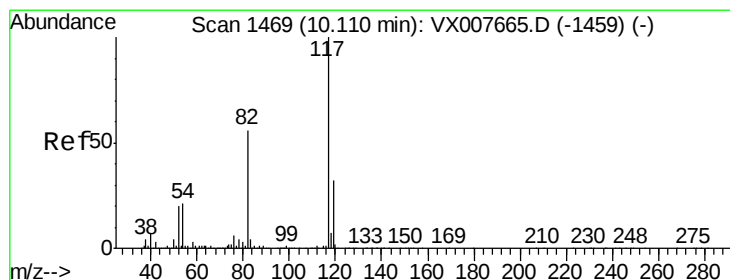
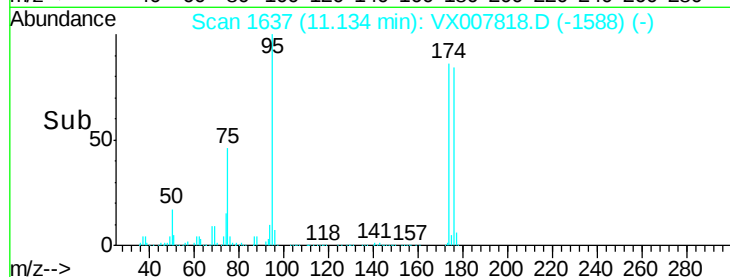
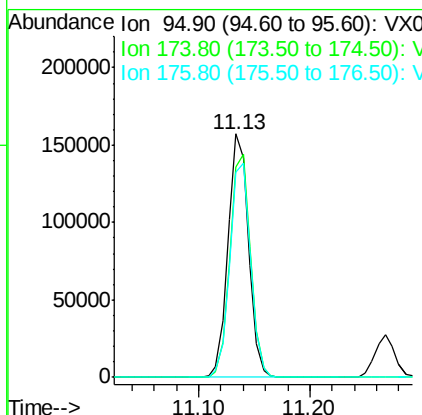
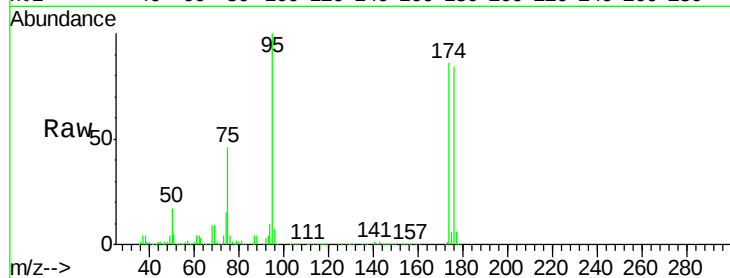
#62
4-Bromofluorobenzene
Concen: 46.597 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	200165		
174	92.0	0.0	189.2	
176	89.3	0.0	186.2	

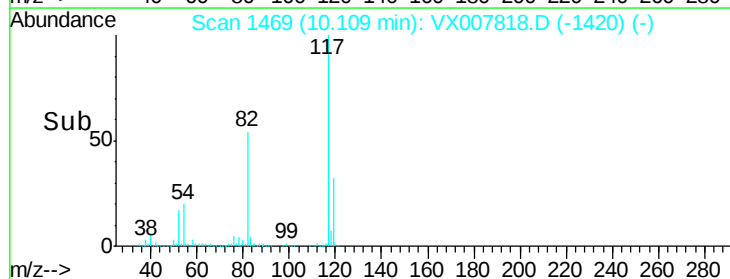
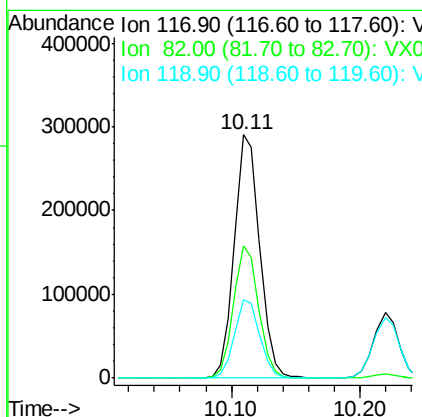
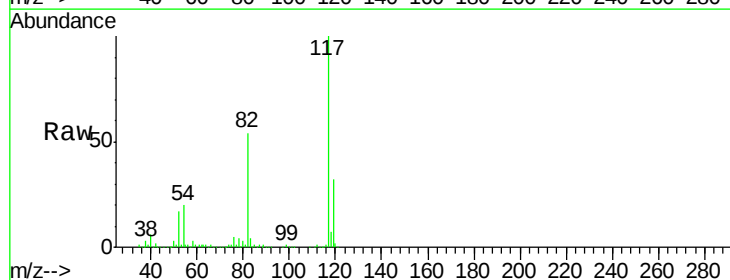
Manual Integrations
APPROVED

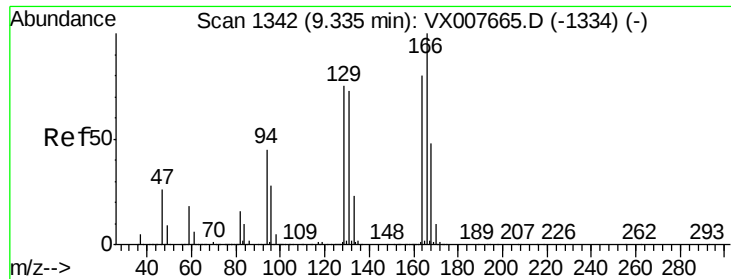
MMDadoda
3/5/2019 9:34:48 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	399793		
82	54.5	42.1	63.1	
119	32.5	26.5	39.7	





#64

Tetrachloroethene

Concen: 50.082 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

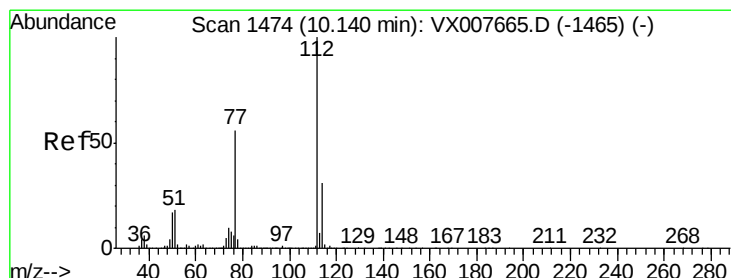
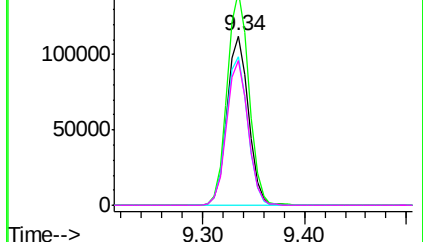
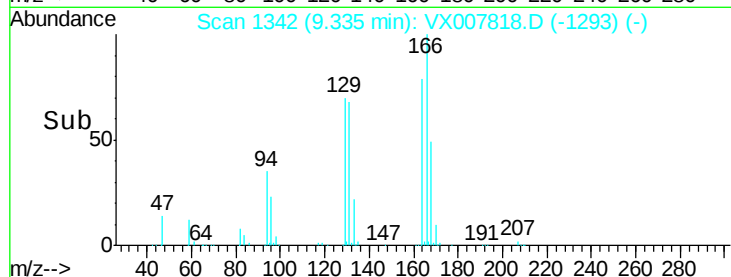
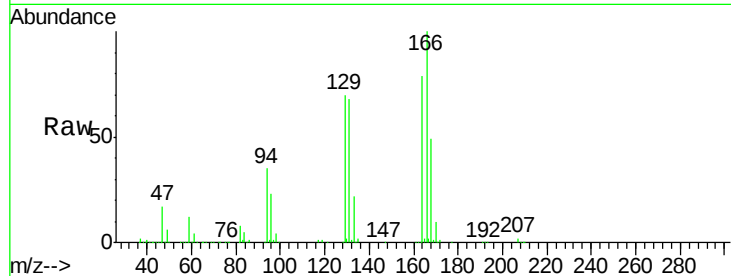
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.0	151.4
129	88.0	70.5	105.7
131	85.6	69.8	104.6

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#65

Chlorobenzene

Concen: 47.466 ug/l

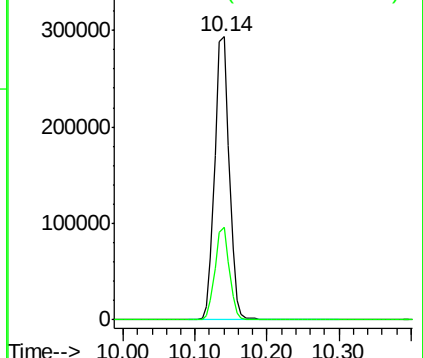
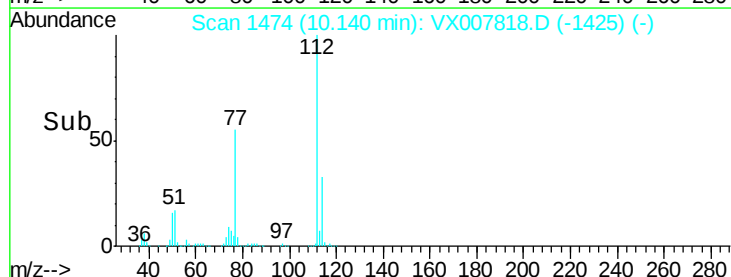
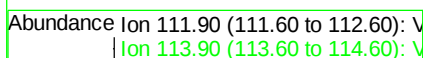
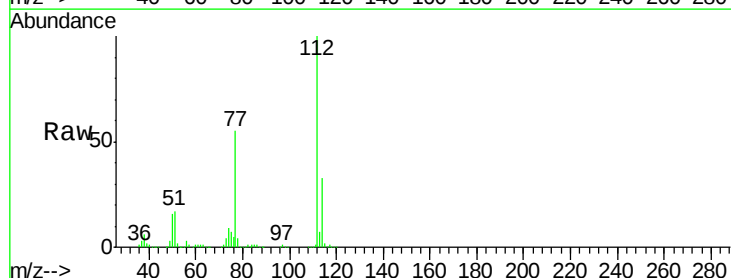
RT: 10.14 min Scan# 1474

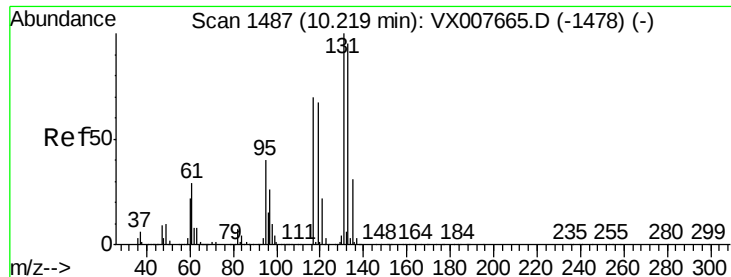
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.8	38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.141 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

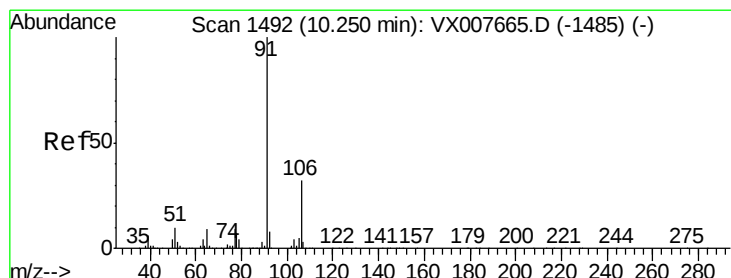
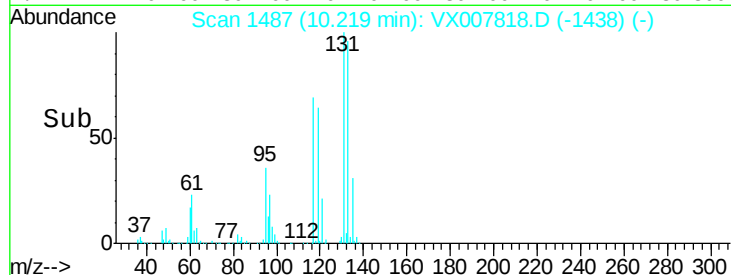
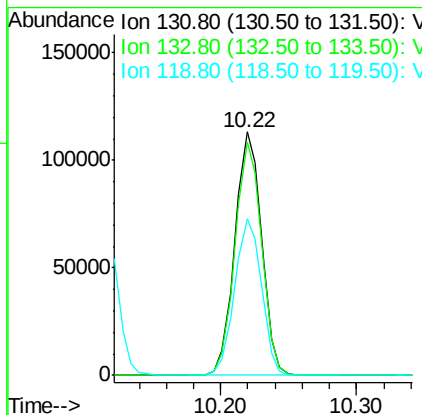
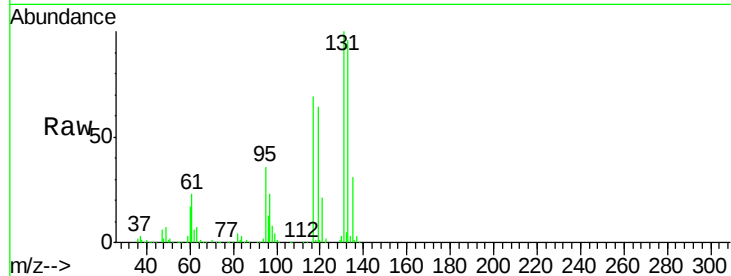
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	131	Resp:	154251
Ion Ratio	Lower	Upper	
131	100		
133	95.6	48.0	144.2
119	64.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#67

Ethyl Benzene

Concen: 48.304 ug/l

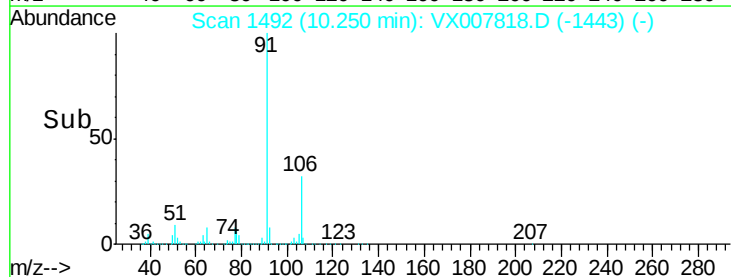
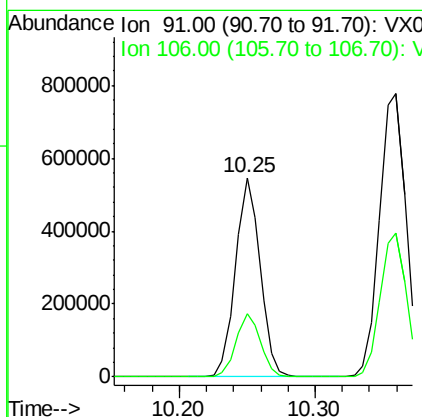
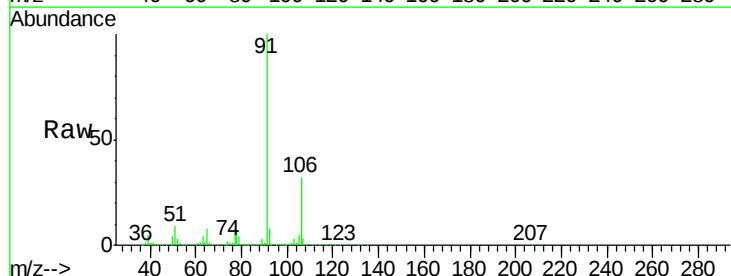
RT: 10.25 min Scan# 1492

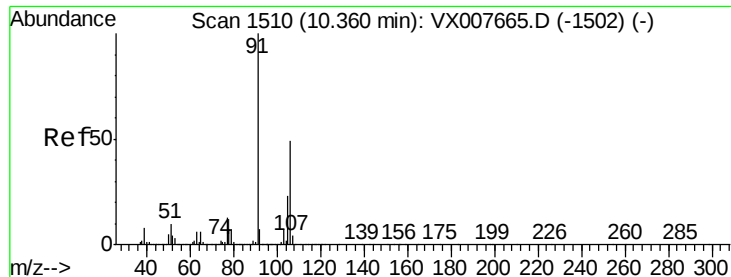
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	91	Resp:	691891
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.4	38.0





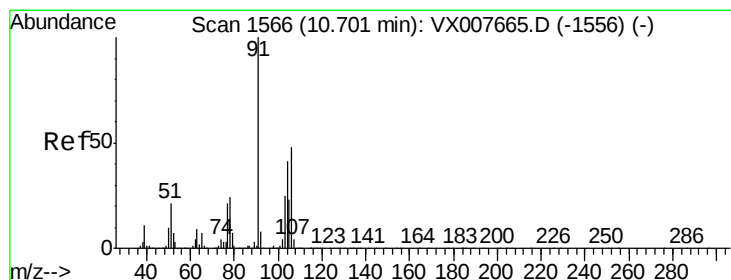
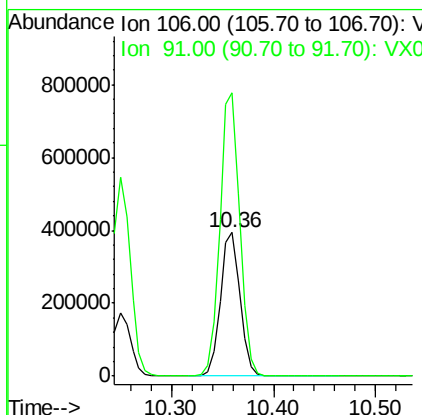
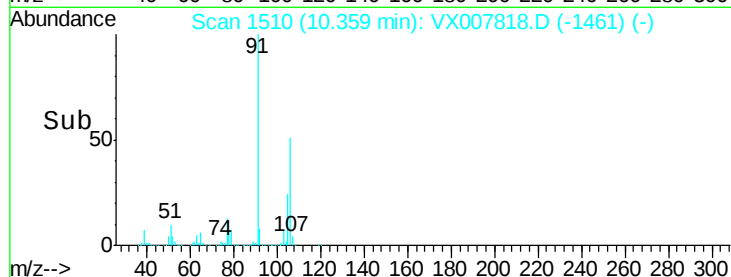
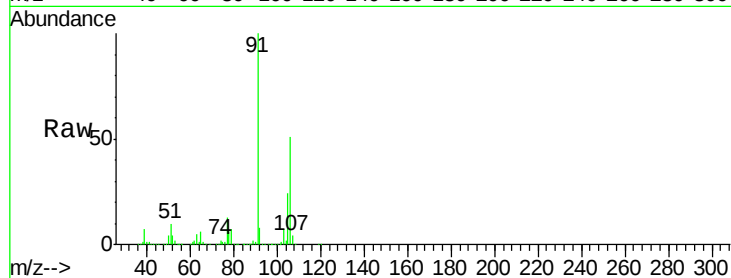
#68
m/p-Xylenes
Concen: 95.212 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	200.1	156.6	234.8	

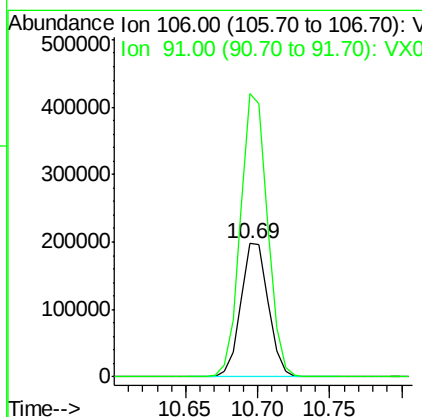
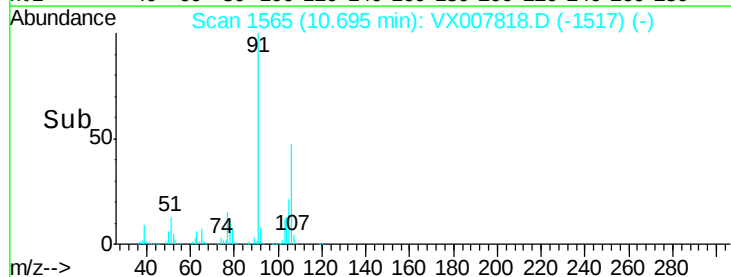
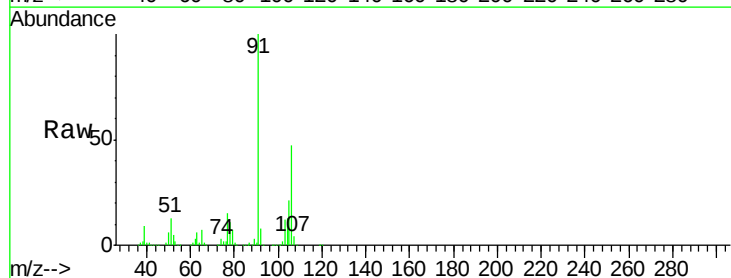
Manual Integrations
APPROVED

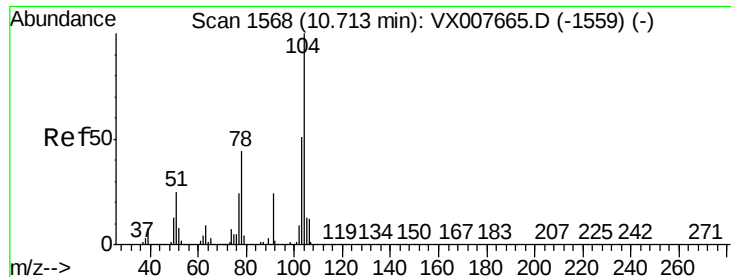
MMDadoda
3/5/2019 9:34:48 AM



#69
o-Xylene
Concen: 48.679 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
106	100			
91	209.8	102.9	308.7	





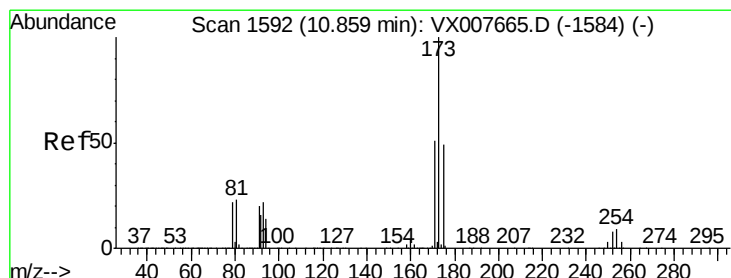
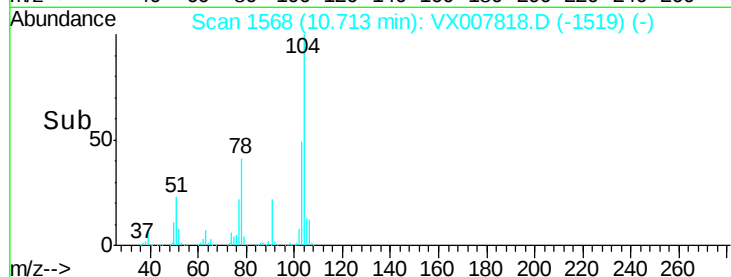
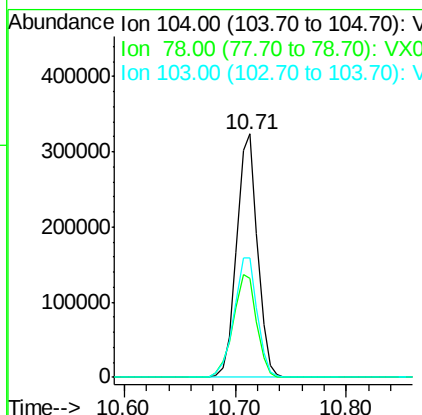
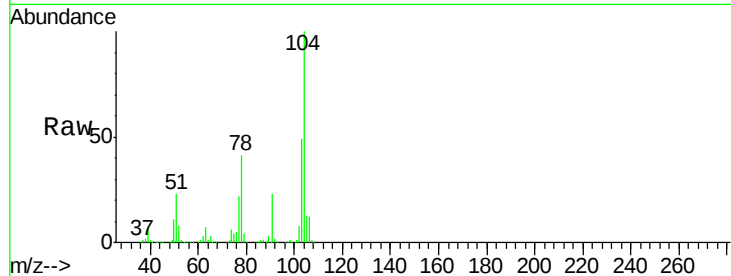
#70
Stvrene
Concen: 47.579 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	419177		
78	47.8	38.3	57.5	
103	55.0	44.6	67.0	

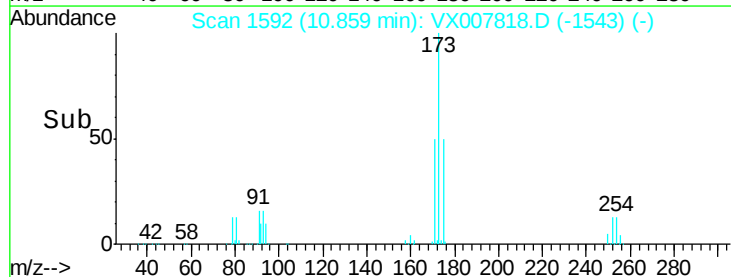
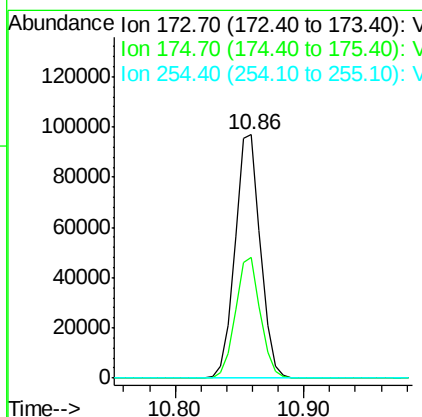
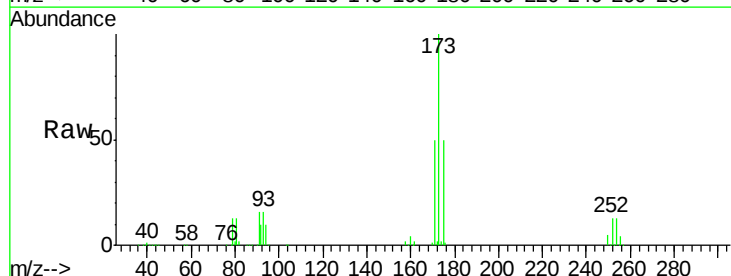
Manual Integrations
APPROVED

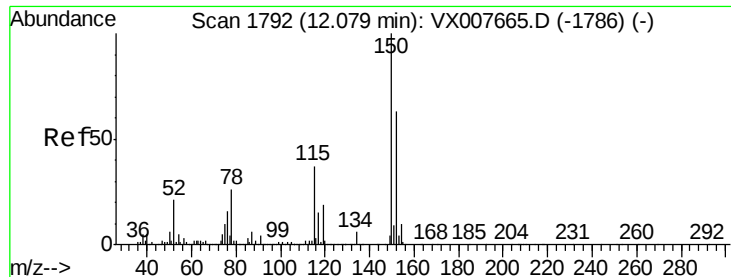
MMDadoda
3/5/2019 9:34:48 AM



#71
Bromoform
Concen: 58.510 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	132335		
175	48.8	24.2	72.6	
254	0.2	0.2	0.2	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

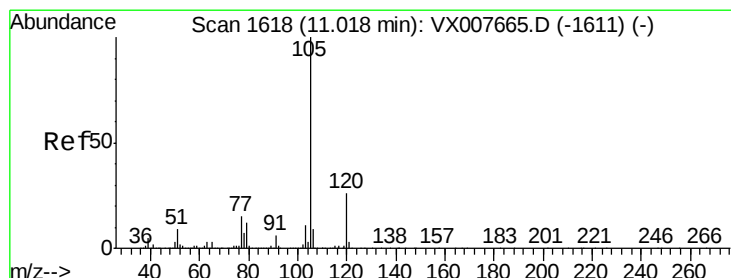
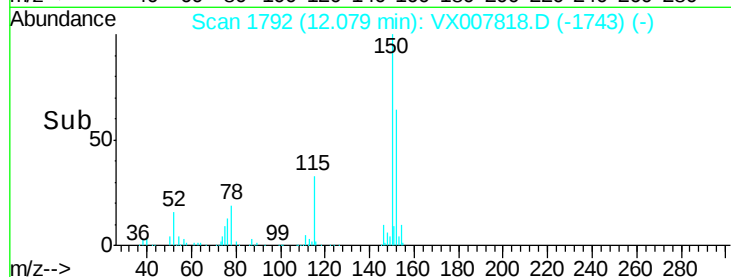
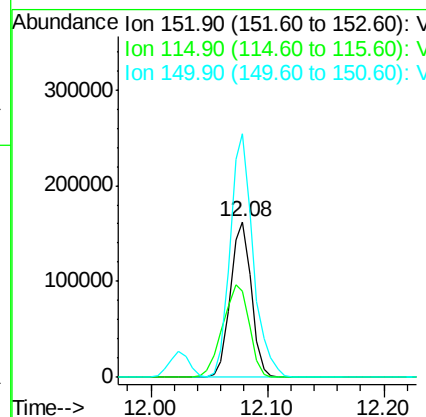
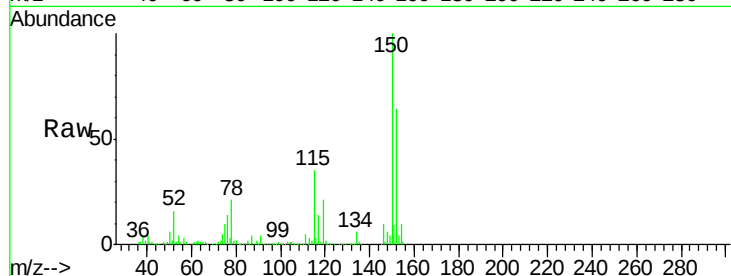
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	75.4	38.0	114.0
150	172.0	0.0	346.4

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#73

Isopropylbenzene

Concen: 48.196 ug/l

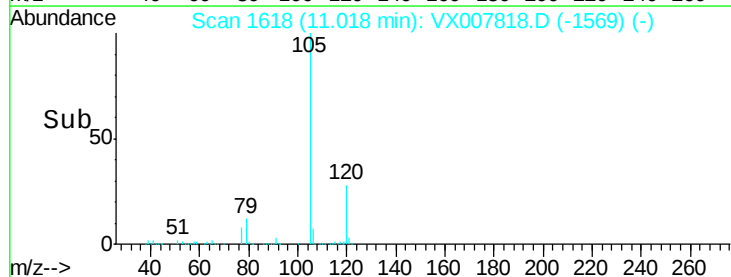
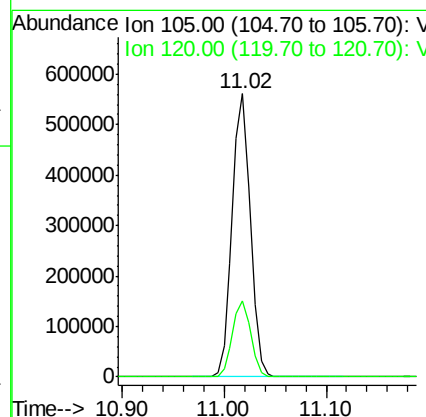
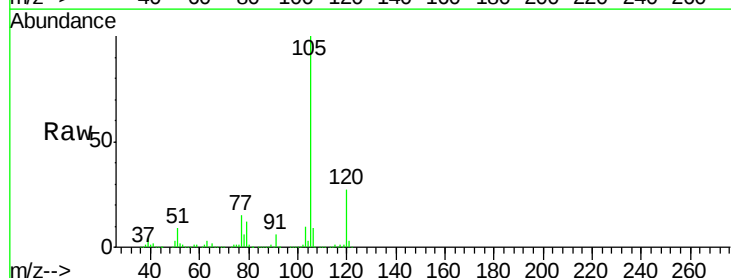
RT: 11.02 min Scan# 1618

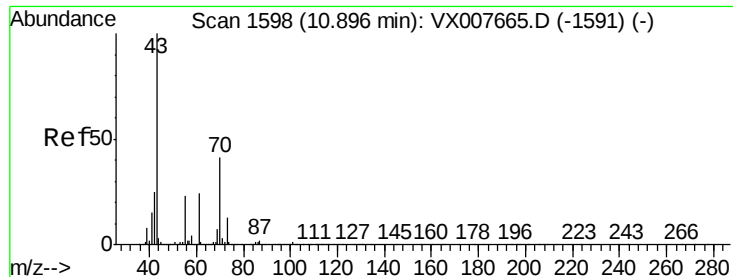
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7





#74

N-amvl acetate

Concen: 49.641 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

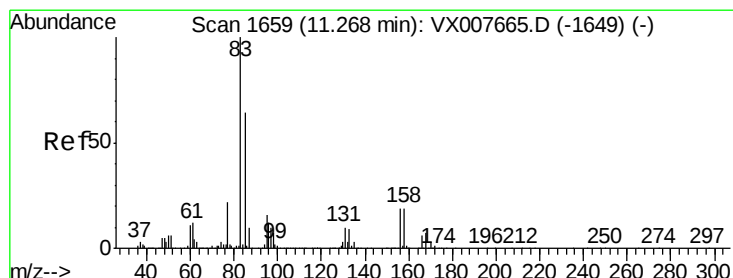
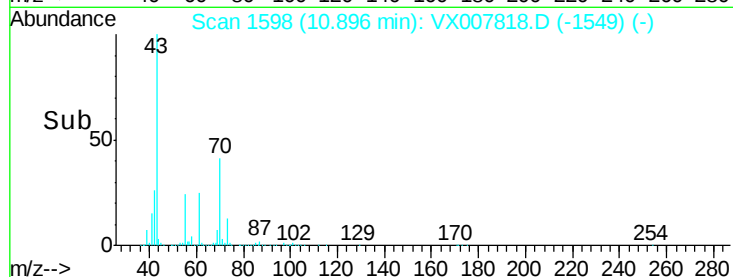
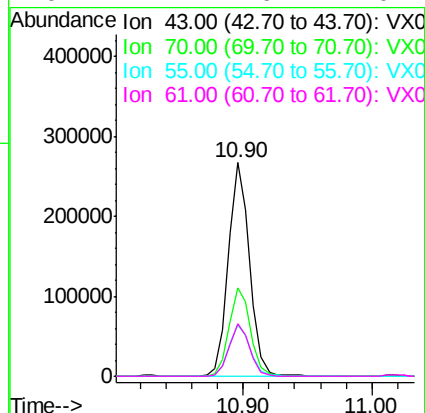
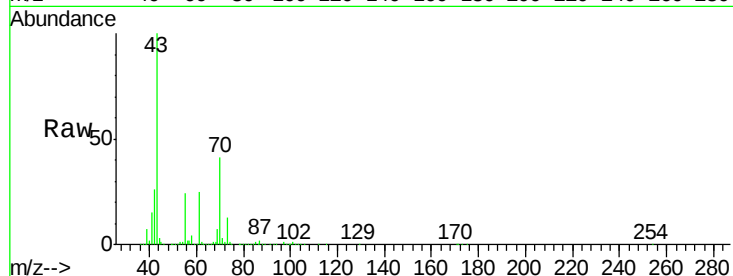
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	42.0	33.8	50.6	
55	24.7	19.5	29.3	
61	24.2	19.4	29.2	

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 46.325 ug/l

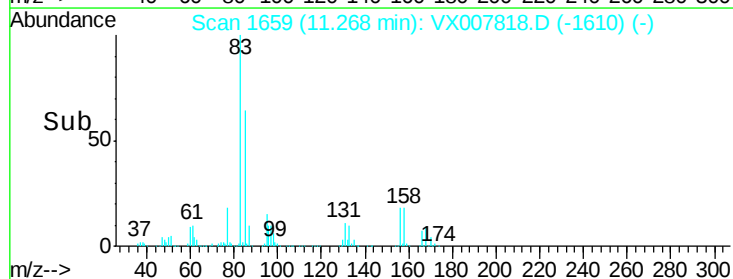
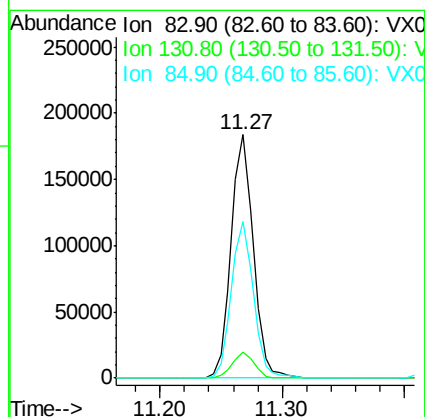
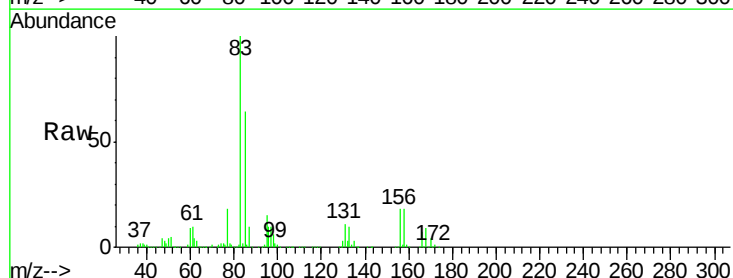
RT: 11.27 min Scan# 1659

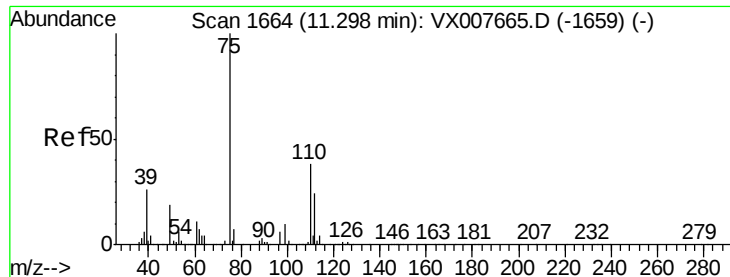
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.5	5.7	17.0	
85	64.2	32.8	98.3	





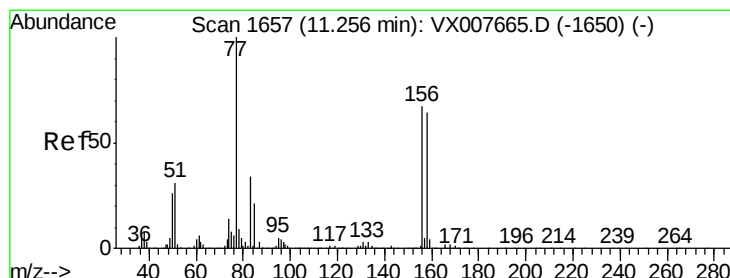
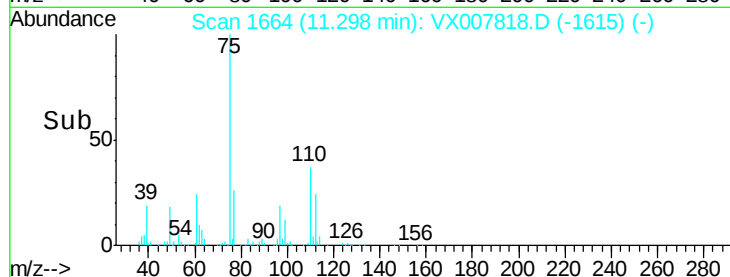
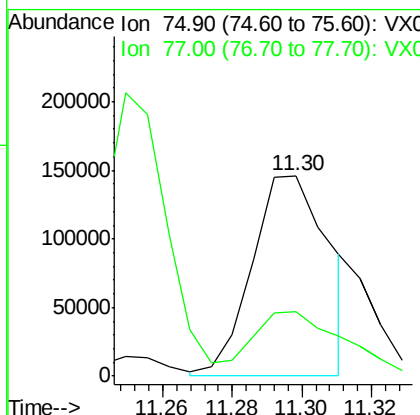
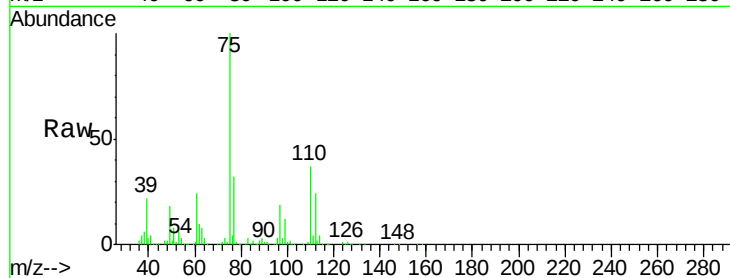
#76
1,2,3-Trichloropropane
Concen: 52.345 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion: 75 Resp: 223961
Ion Ratio Lower Upper
75 100
77 38.8 23.0 69.0

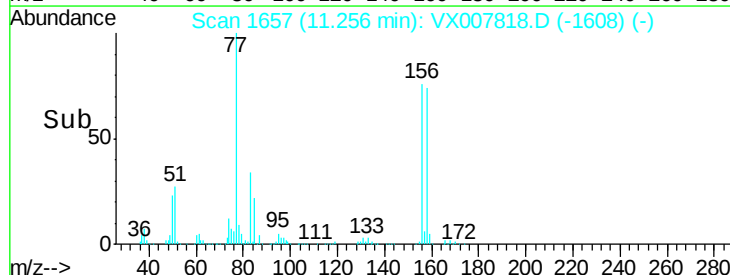
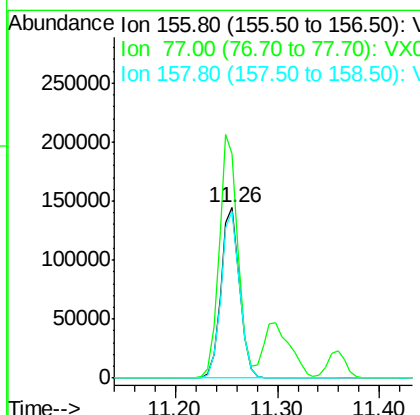
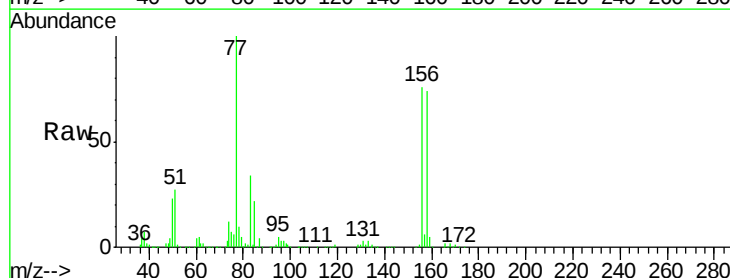
Manual Integrations
APPROVED

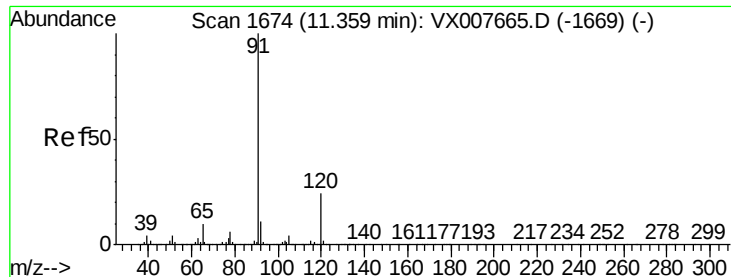
MMDadoda
3/5/2019 9:34:48 AM



#77
Bromobenzene
Concen: 51.147 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion: 156 Resp: 184043
Ion Ratio Lower Upper
156 100
77 143.3 66.8 200.6
158 97.7 47.9 143.8





#78

n-propylbenzene

Concen: 46.993 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion: 91 Resp: 761815

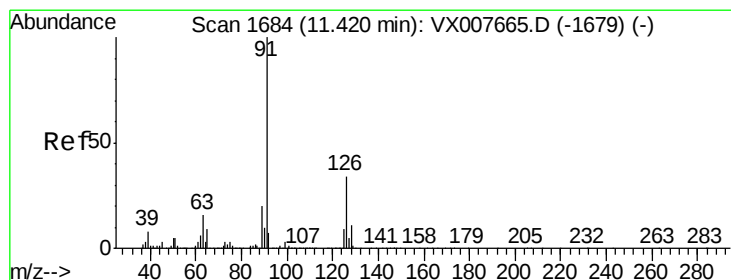
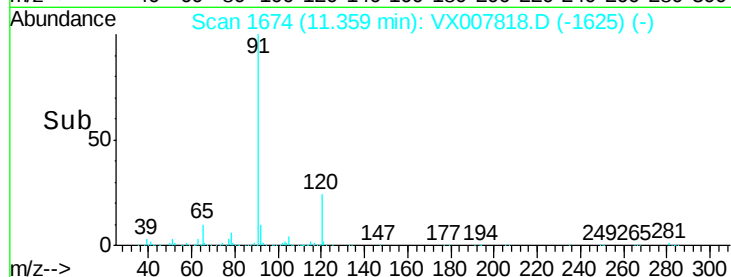
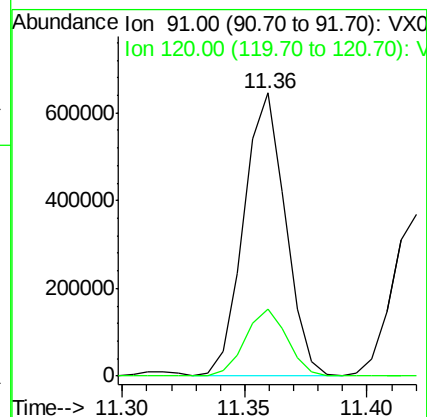
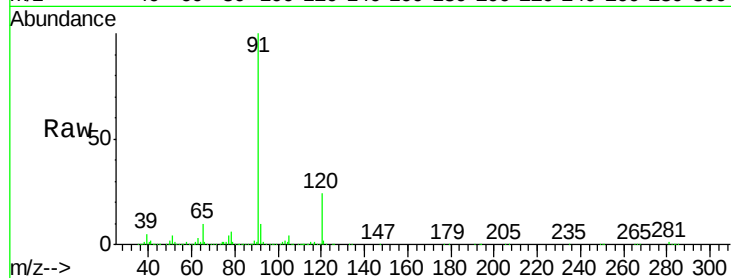
Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.2

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#79

2-Chlorotoluene

Concen: 46.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007818.D

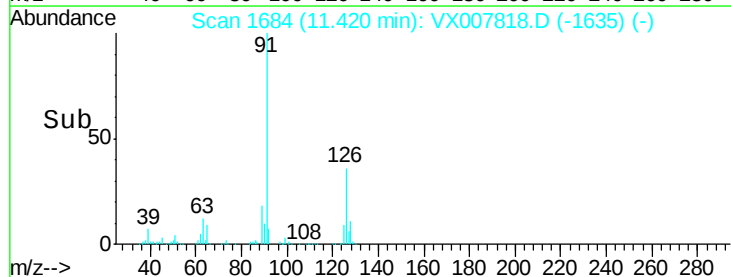
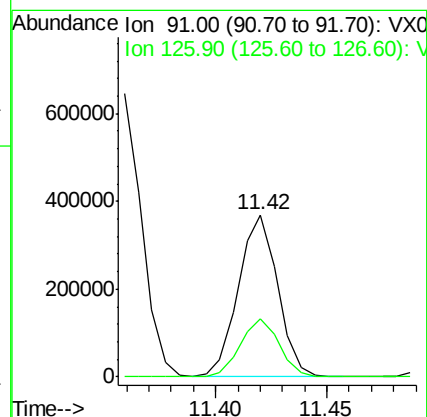
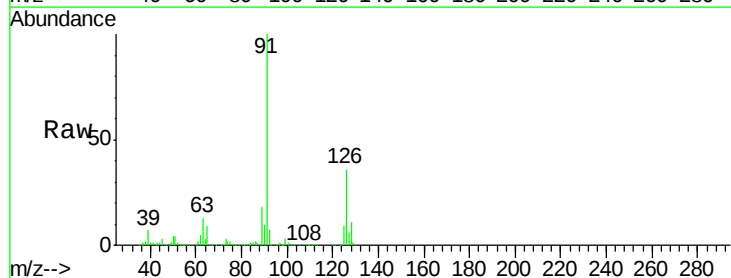
Acq: 04 Mar 2019 18:35

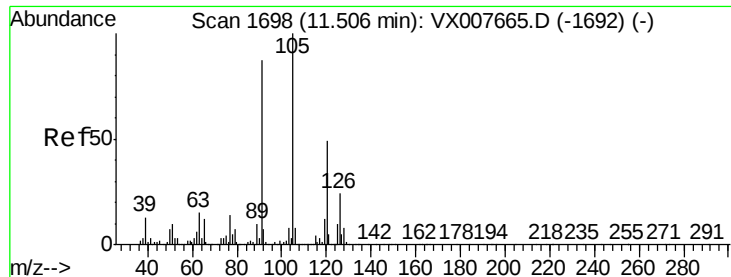
Tgt Ion: 91 Resp: 453076

Ion Ratio Lower Upper

91 100

126 35.4 18.7 56.1





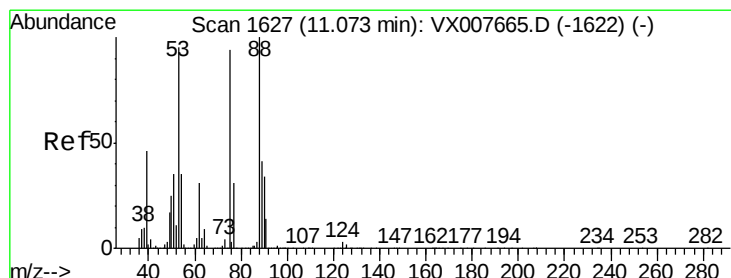
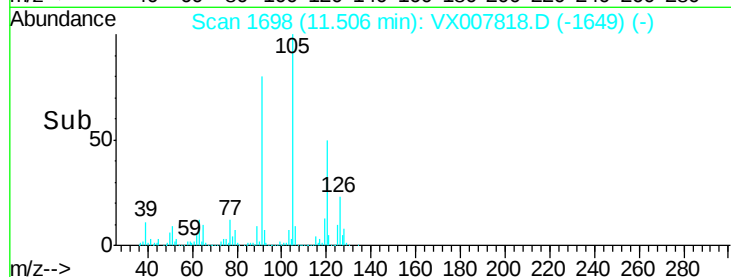
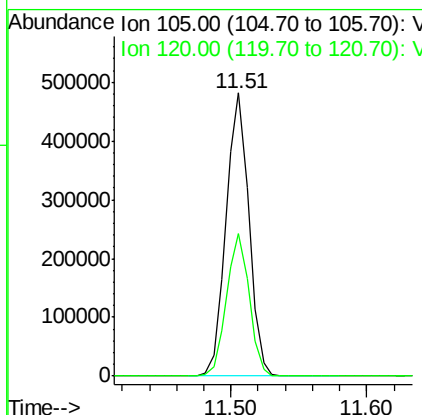
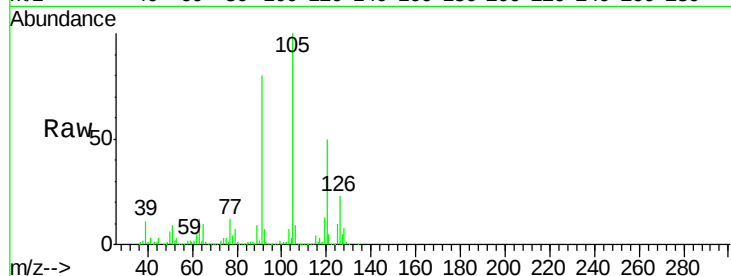
#80
 1,3,5-Trimethylbenzene
 Concen: 47.553 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.9	25.3	75.8

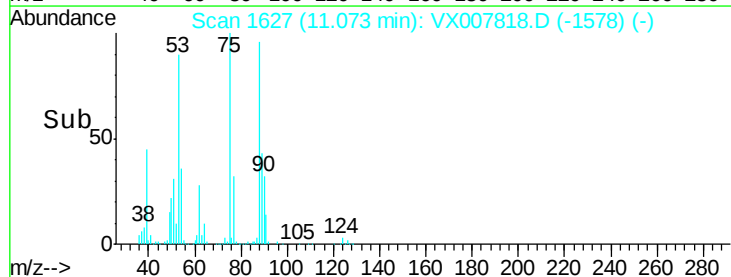
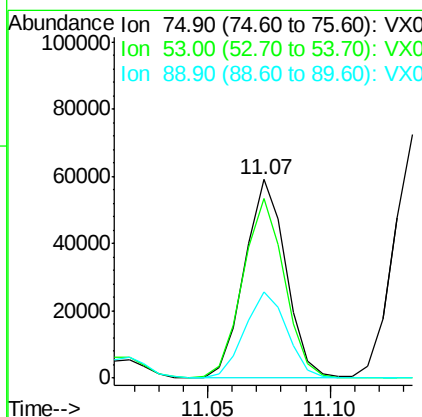
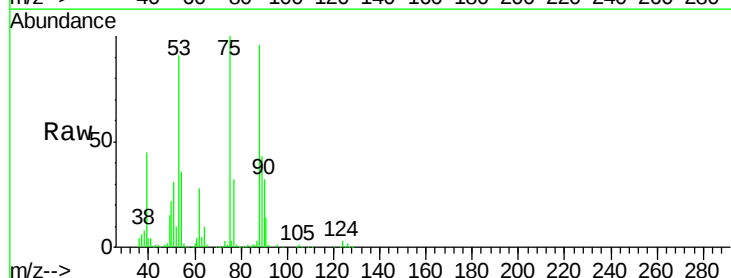
Manual Integrations
 APPROVED

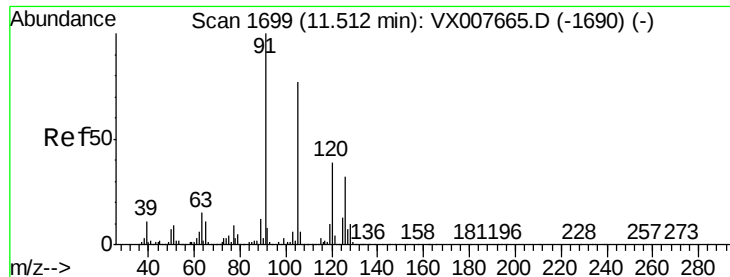
MMDadoda
 3/5/2019 9:34:48 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.882 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.4	81.0	121.6
89	44.8	41.4	62.0





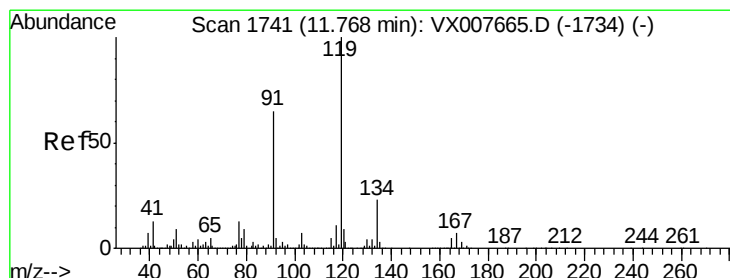
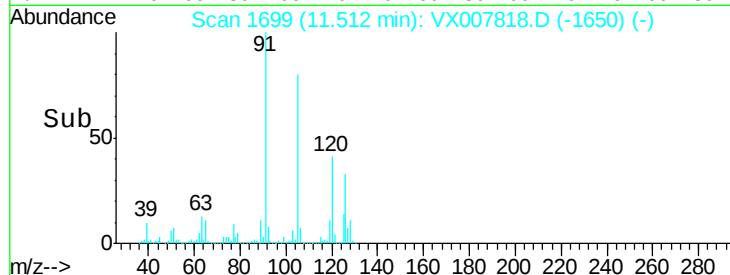
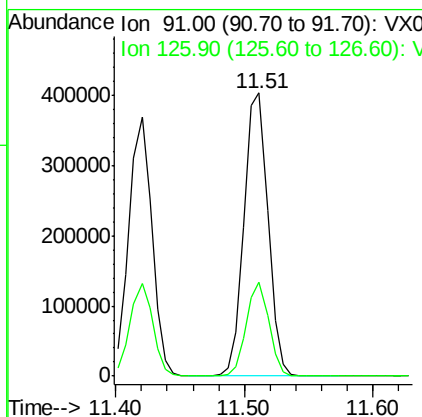
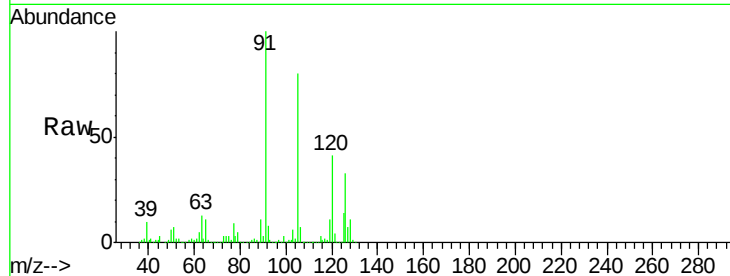
#82
4-Chlorotoluene
Concen: 45.256 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.2	48.5

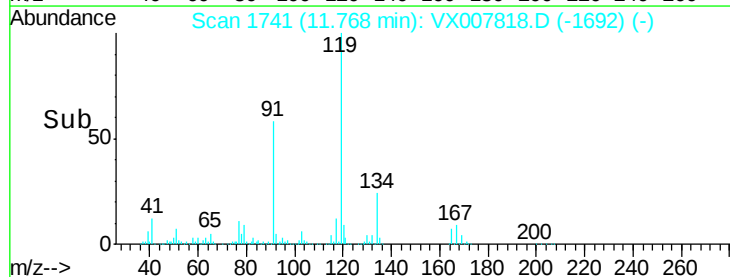
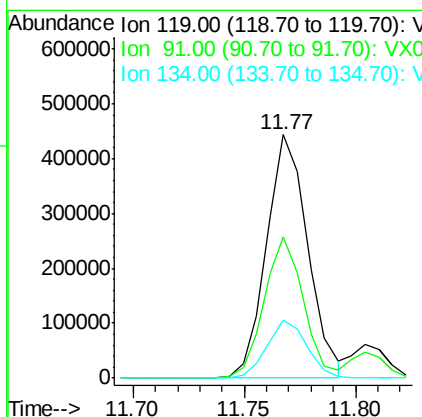
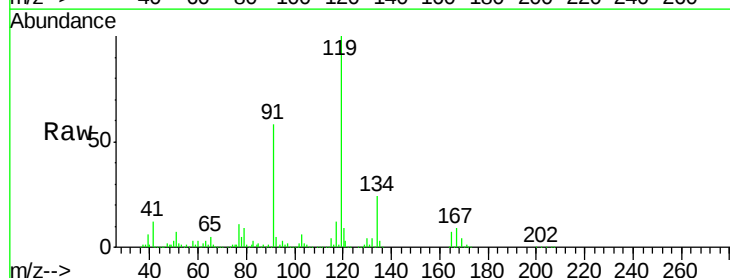
Manual Integrations
APPROVED

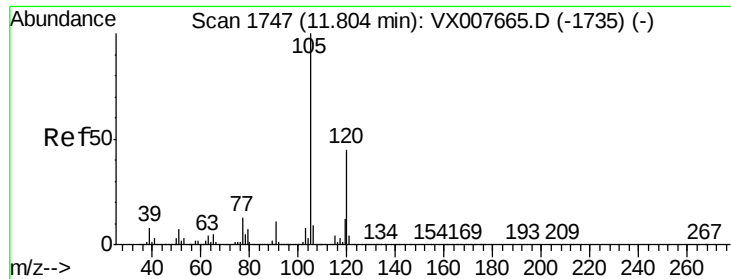
MMDadoda
3/5/2019 9:34:48 AM



#83
tert-Butylbenzene
Concen: 50.354 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.1	28.5	85.6
134	23.1	12.0	36.0





#84

1,2,4-Trimethylbenzene

Concen: 47.653 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:105 Resp: 575205

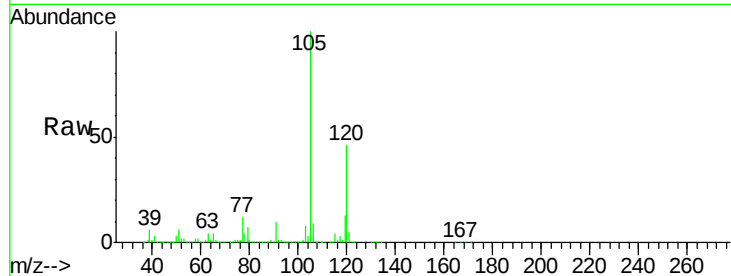
Ion Ratio Lower Upper

105 100

120 45.2 23.1 69.3

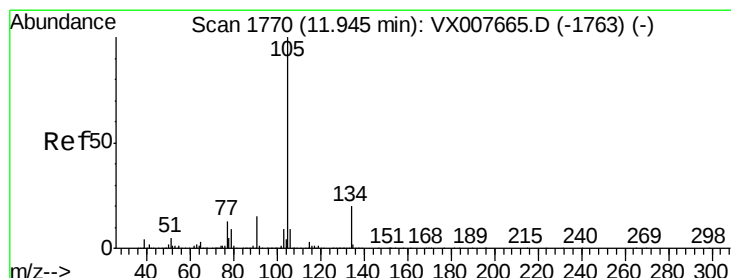
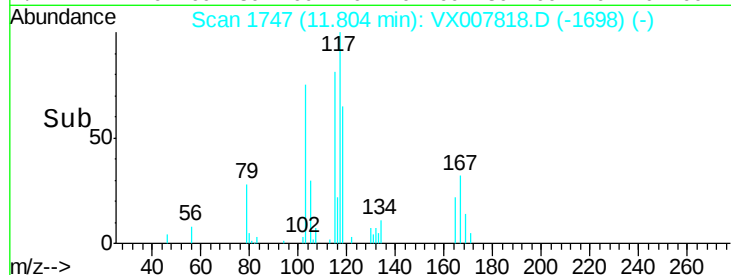
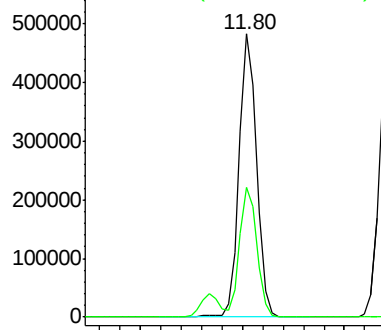
Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 47.415 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007818.D

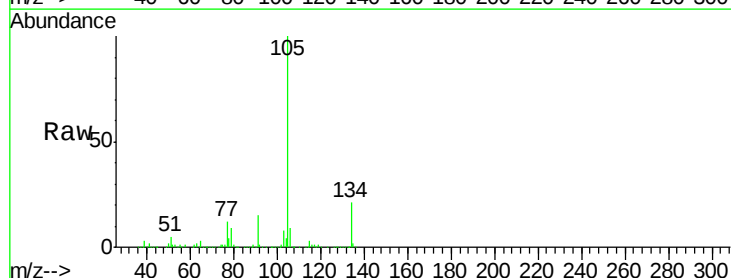
Acq: 04 Mar 2019 18:35

Tgt Ion:105 Resp: 673196

Ion Ratio Lower Upper

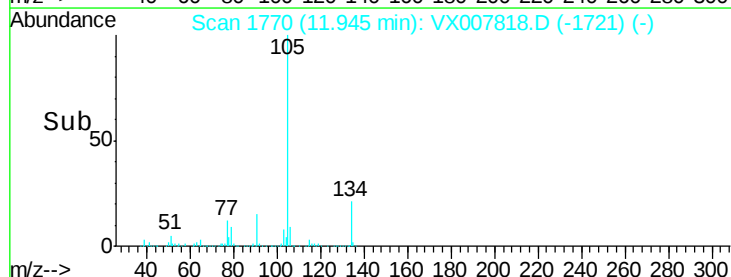
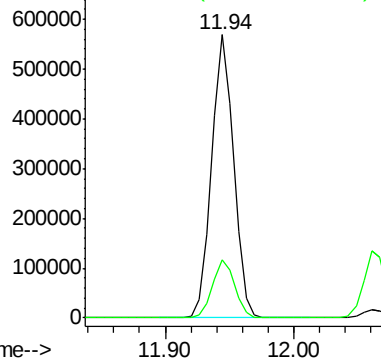
105 100

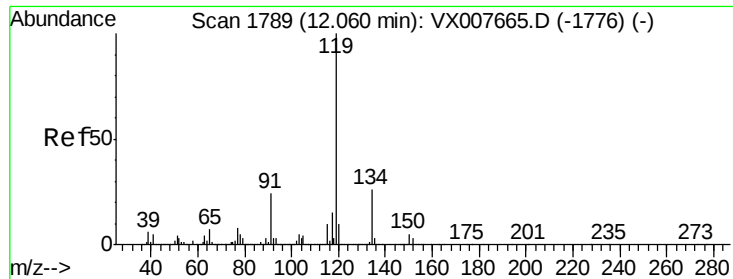
134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 48.420 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

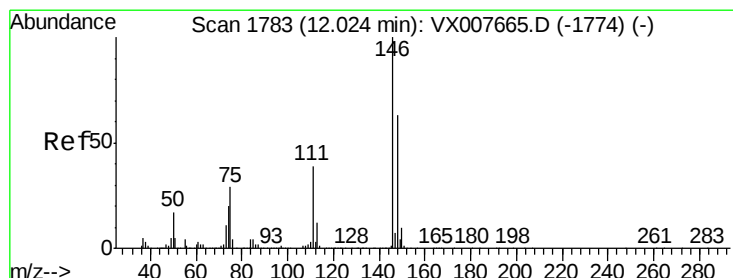
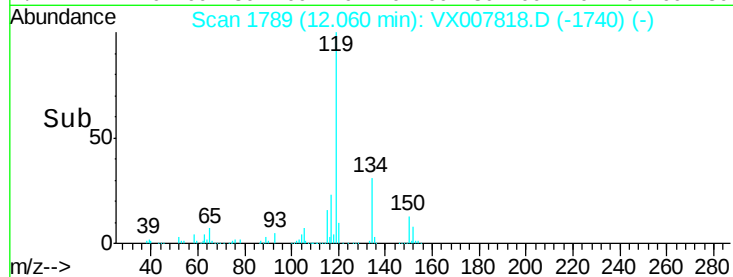
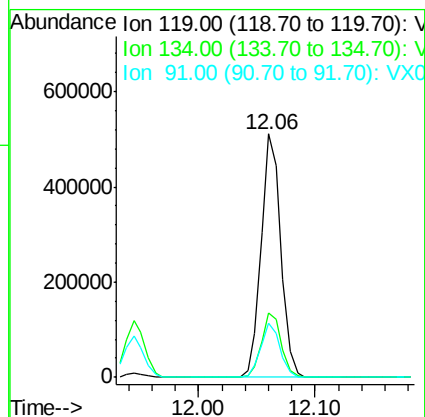
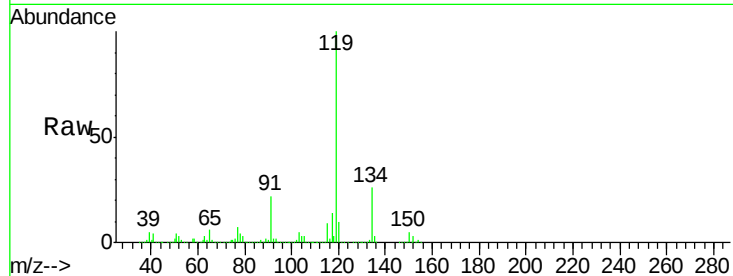
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	119	Resp:	602054
Ion Ratio		Lower	Upper
119	100		
134	26.6	13.7	41.1
91	21.8	11.2	33.5

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#87

1,3-Dichlorobenzene

Concen: 48.032 ug/l

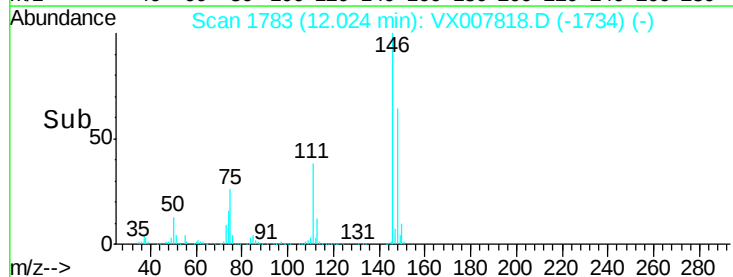
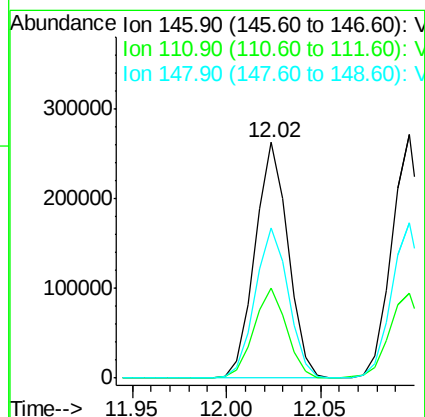
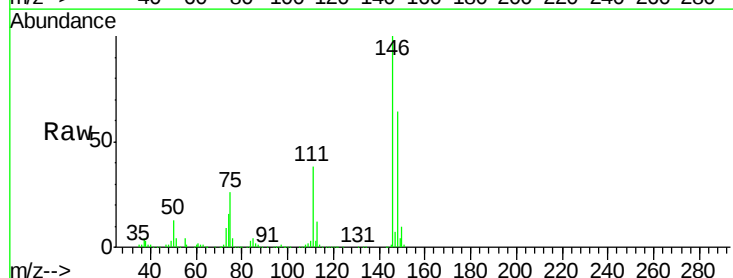
RT: 12.02 min Scan# 1783

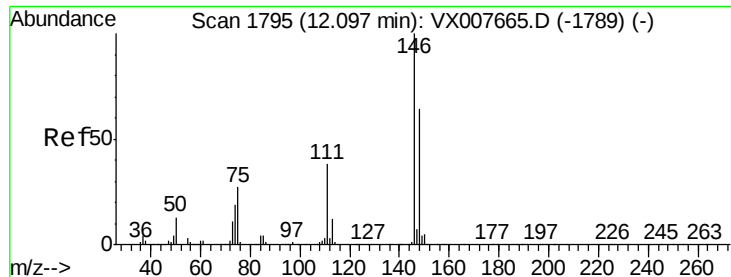
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	146	Resp:	320592
Ion Ratio		Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.2	32.0	96.2





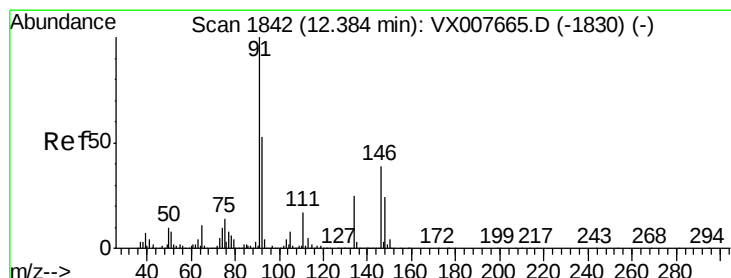
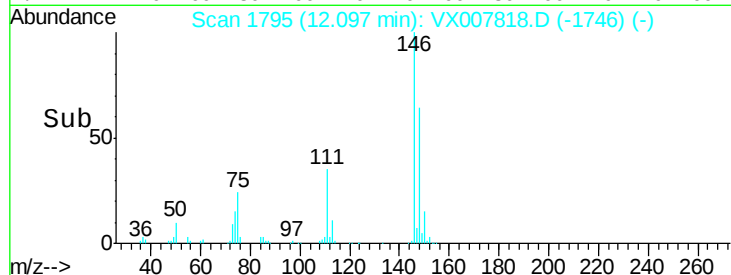
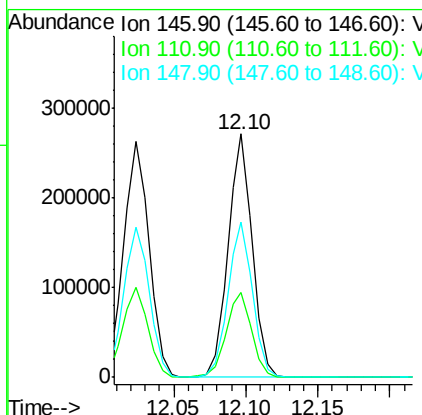
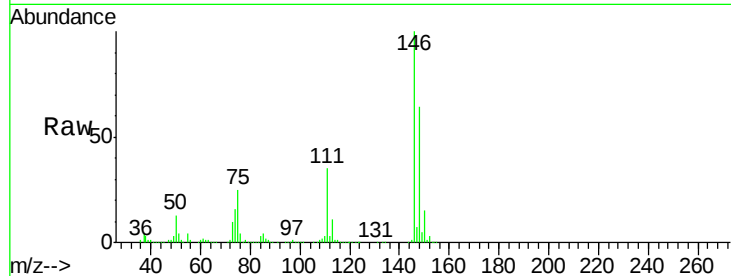
#88
 1,4-Dichlorobenzene
 Concen: 46.813 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.6	32.3	96.9

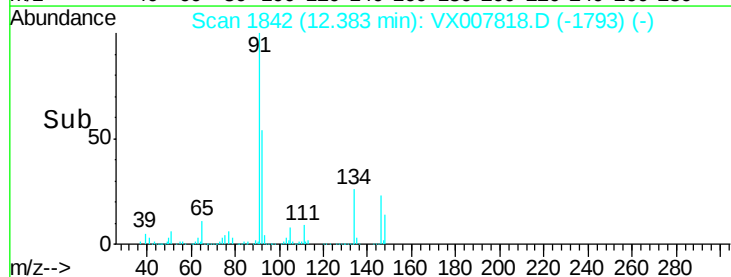
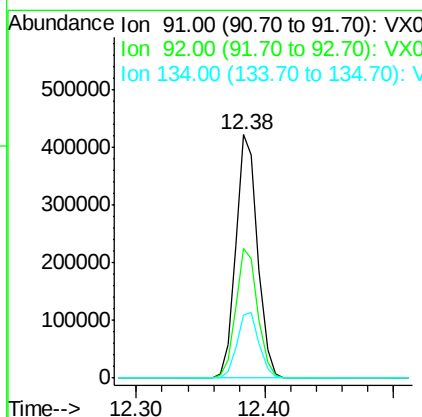
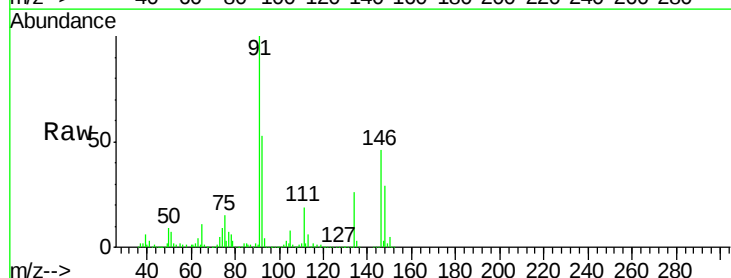
Manual Integrations
 APPROVED

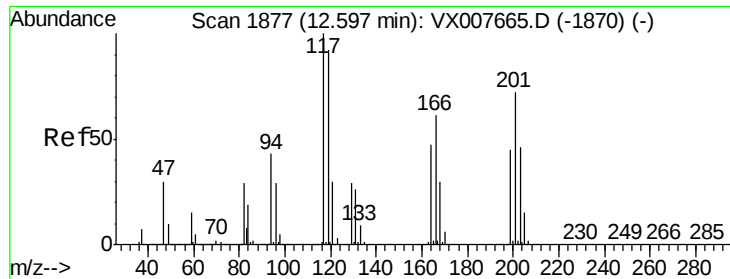
MMDadoda
 3/5/2019 9:34:48 AM



#89
 n-Butylbenzene
 Concen: 44.783 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.9
134	27.4	13.9	41.6





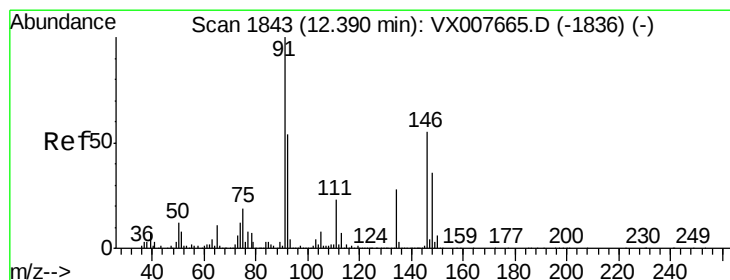
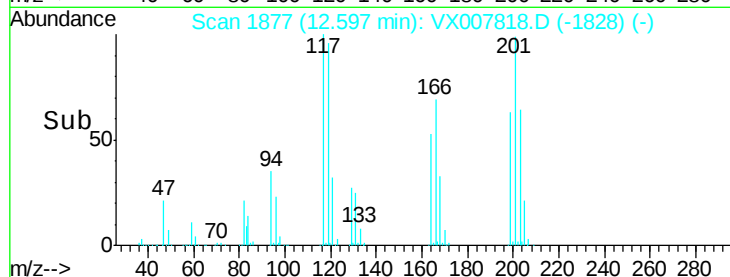
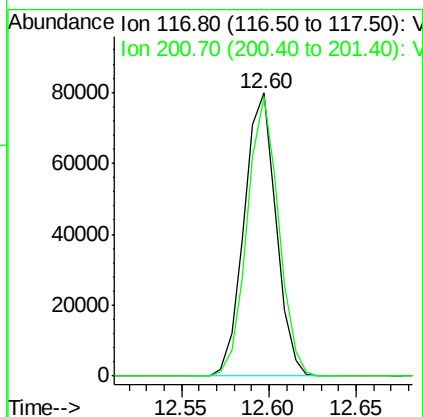
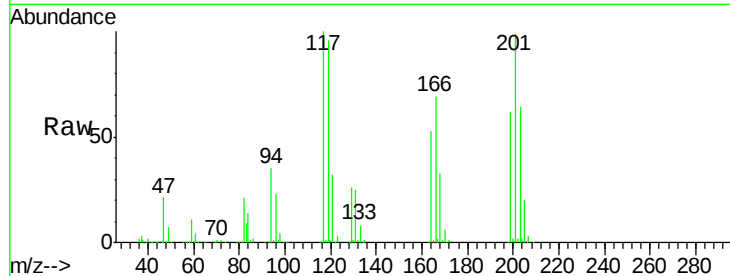
#90
Hexachloroethane
Concen: 48.320 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	96.9	44.9	134.7

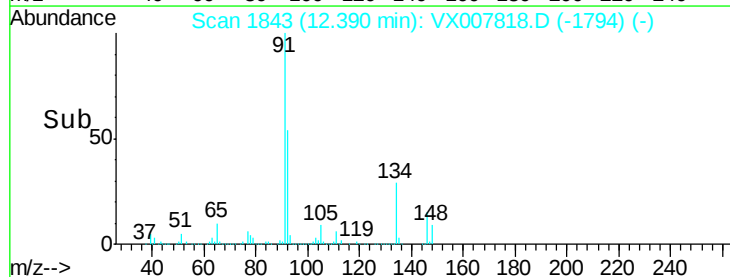
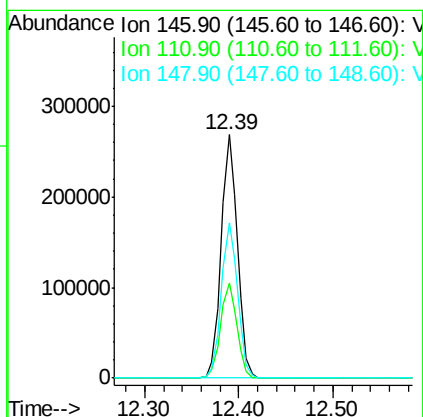
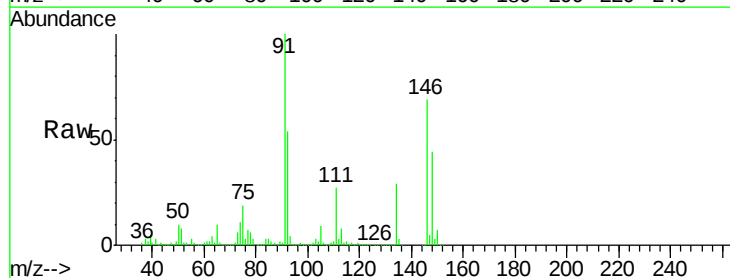
Manual Integrations
APPROVED

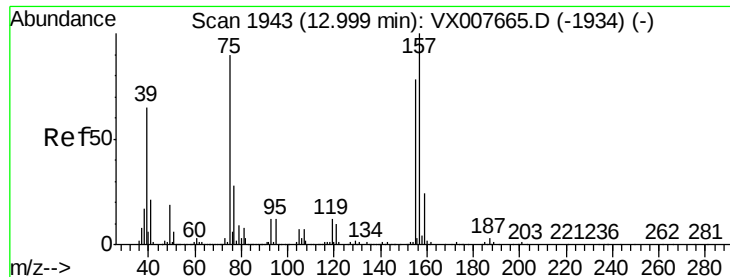
MMDadoda
3/5/2019 9:34:48 AM



#91
1,2-Dichlorobenzene
Concen: 48.186 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007818.D
Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.3
148	63.9	32.1	96.3





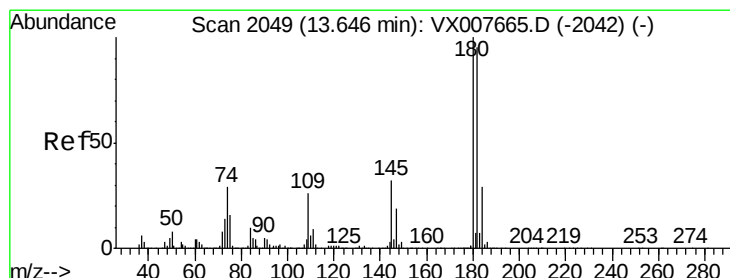
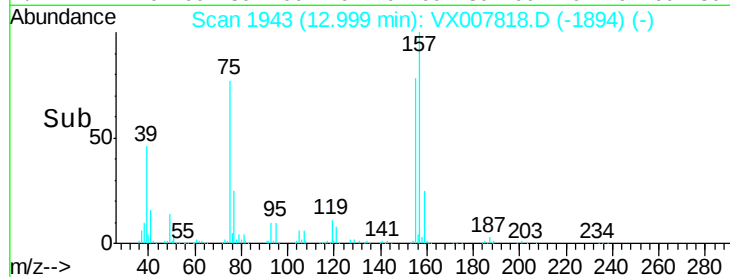
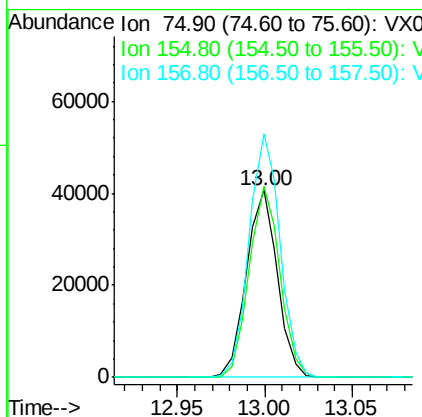
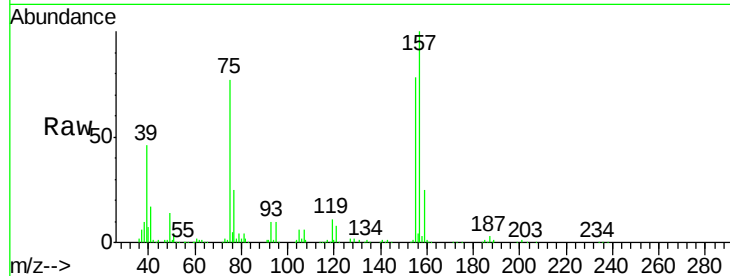
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.189 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	101.3	49.6	149.0
157	130.7	65.1	195.3

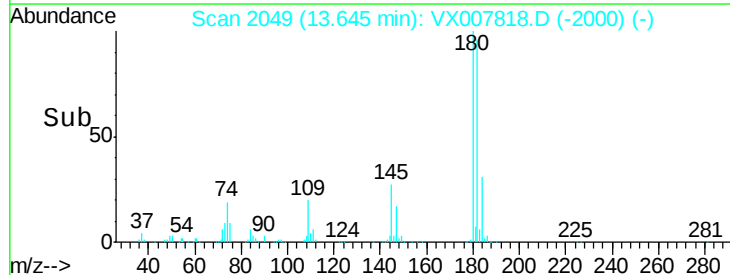
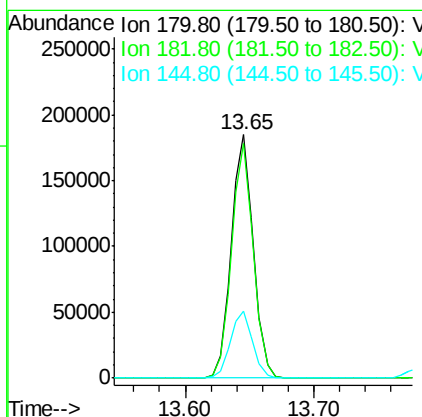
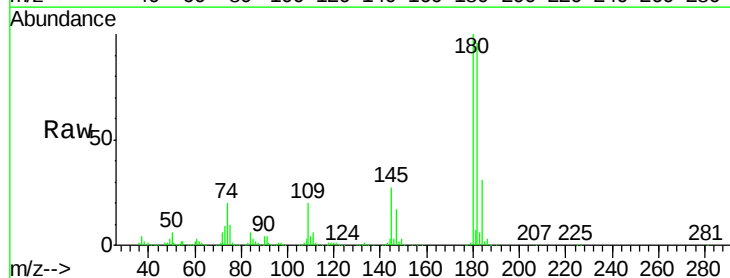
Manual Integrations
 APPROVED

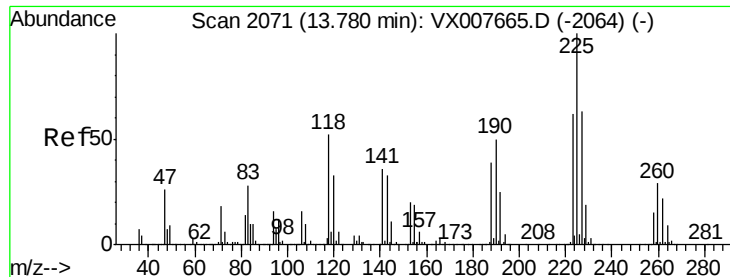
MMDadoda
 3/5/2019 9:34:48 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 54.120 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	27.9	14.1	42.2





#94

Hexachlorobutadiene

Concen: 60.355 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Instrument :

MSVOA_X

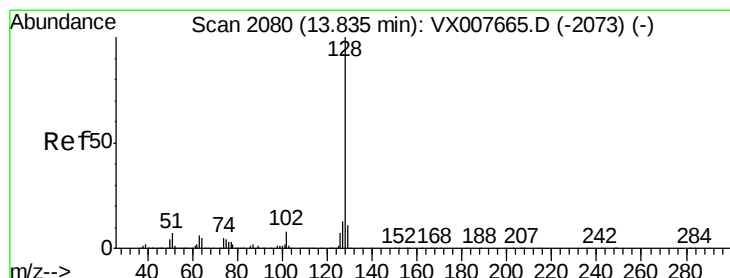
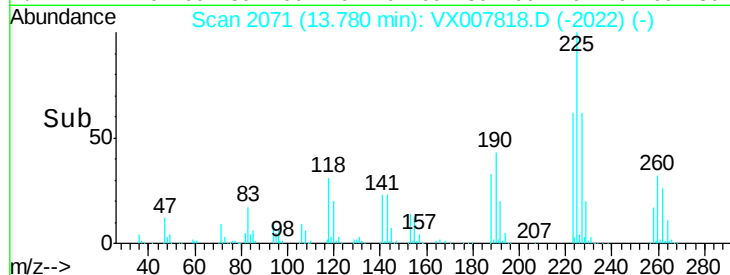
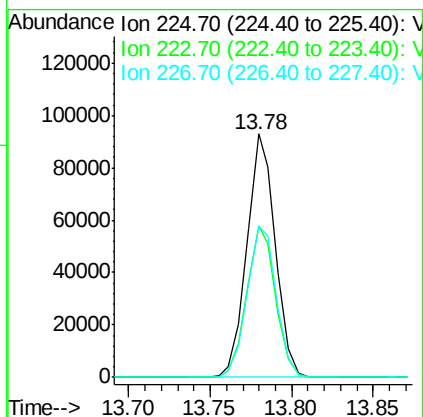
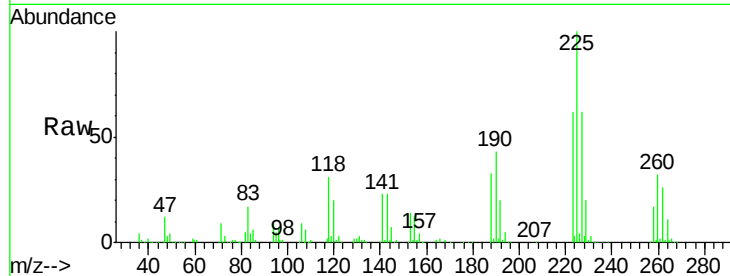
ClientSampleId :

BP-VPB201-GW-485-487MSD

Tot Ion:	225	Resp:	112554
Ion Ratio		Lower	Upper
225	100		
223	62.7	31.6	94.8
227	64.4	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:34:48 AM



#95

Naphthalene

Concen: 51.621 ug/l

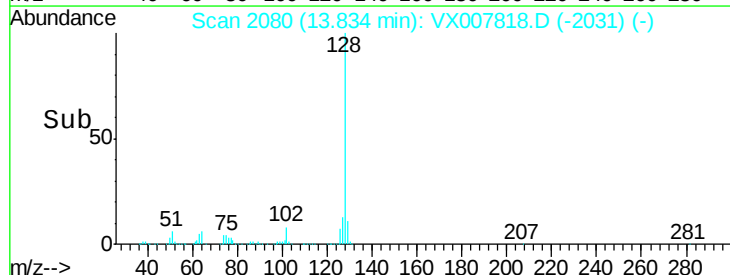
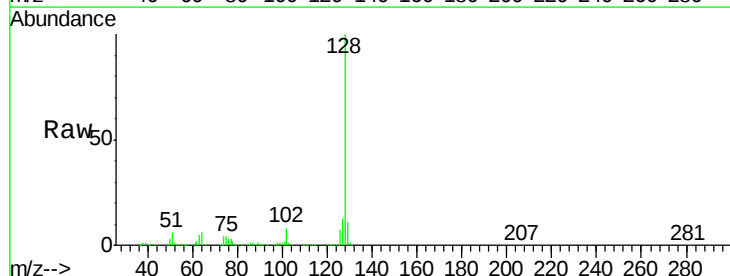
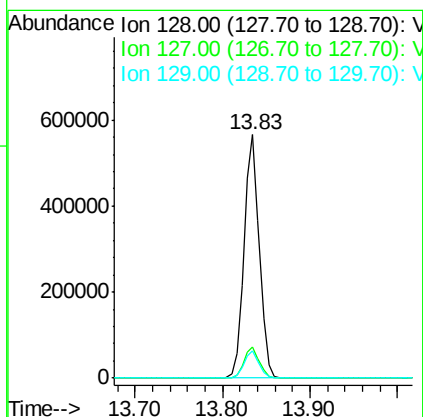
RT: 13.83 min Scan# 2080

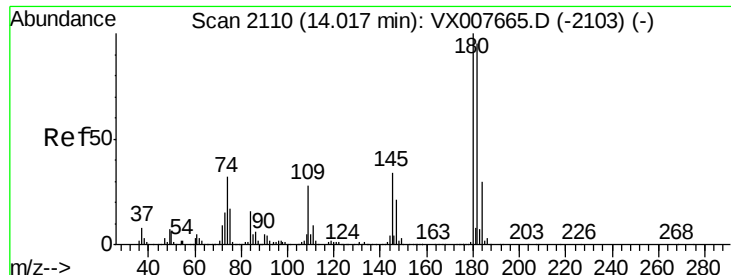
Delta R.T. -0.00 min

Lab File: VX007818.D

Acq: 04 Mar 2019 18:35

Tgt Ion:	128	Resp:	681770
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 54.491 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX007818.D
 Acq: 04 Mar 2019 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MSD

Tot Ion:	180	Resp:	223044
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	29.5	14.9	44.5

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:34:48 AM

