

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030419\
 Data File : VX007817.D
 Acq On : 04 Mar 2019 18:08
 Operator : JC/SP
 Sample : K1719-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 04 22:03:02 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	303173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	451334	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	396250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200690	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	164051	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	
35) Dibromofluoromethane	5.50	113	143171	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	525680	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
62) 4-Bromofluorobenzene	11.13	95	188387	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	111236	39.829	ug/l	98
3) Chloromethane	1.33	50	138275	44.679	ug/l	99
4) Vinyl Chloride	1.41	62	147749	46.533	ug/l	99
5) Bromomethane	1.64	94	77348	38.311	ug/l	98
6) Chloroethane	1.71	64	98791	48.700	ug/l	99
7) Trichlorofluoromethane	1.93	101	202766	41.657	ug/l	100
8) Diethyl Ether	2.19	74	93736	46.923	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	121042	41.143	ug/l	98
10) Methyl Iodide	2.51	142	194011	52.960	ug/l	97
11) Tert butyl alcohol	3.08	59	187671	263.390	ug/l	98
12) 1,1-Dichloroethene	2.37	96	123258	46.479	ug/l	95
13) Acrolein	2.30	56	227951	360.023	ug/l	100
14) Allyl chloride	2.73	41	260310	53.087	ug/l	90
15) Acrylonitrile	3.15	53	442361	263.816	ug/l	99
16) Acetone	2.45	43	367835	220.260	ug/l	98
17) Carbon Disulfide	2.57	76	346786	47.004	ug/l	99
18) Methyl Acetate	2.78	43	202239	55.497	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	453173	49.072	ug/l	99
20) Methylene Chloride	2.86	84	138497	44.913	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	130714	45.340	ug/l	91
22) Diisopropyl ether	3.87	45	492852	48.283	ug/l	94
23) Vinyl Acetate	3.82	43	2053318	229.276	ug/l	97
24) 1,1-Dichloroethane	3.70	63	263452	47.489	ug/l	98
25) 2-Butanone	4.70	43	610608	240.032	ug/l	96
26) 2,2-Dichloropropane	4.58	77	168799	38.118	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	159964	43.606	ug/l	95
28) Bromochloromethane	5.02	49	120546	44.635	ug/l	87
29) Tetrahydrofuran	5.15	42	406969	242.700	ug/l	94
30) Chloroform	5.21	83	252790	42.540	ug/l	100
31) Cyclohexane	5.57	56	227050	43.510	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	213072	43.356	ug/l	98
36) 1,1-Dichloropropene	5.80	75	185368	45.684	ug/l	98
37) Ethyl Acetate	4.85	43	219428	48.682	ug/l	100
38) Carbon Tetrachloride	5.78	117	185055	45.402	ug/l	99

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 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	217672	42.445	ug/l	94
40) Benzene	6.14	78	588433	46.978	ug/l	100
41) Methacrylonitrile	5.06	41	133285	55.377	ug/l	93
42) 1,2-Dichloroethane	6.20	62	192264	45.668	ug/l	98
43) Isopropyl Acetate	6.46	43	349506	50.382	ug/l	98
44) Trichloroethene	7.21	130	190897	55.402	ug/l	96
45) 1,2-Dichloropropane	7.51	63	157481	48.535	ug/l	99
46) Dibromomethane	7.66	93	98636	43.575	ug/l	97
47) Bromodichloromethane	7.90	83	189604	48.335	ug/l	99
48) Methyl methacrylate	7.77	41	185473	51.006	ug/l	91
49) 1,4-Dioxane	7.75	88	73929	941.309	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1156843	249.129	ug/l	100
52) Toluene	8.78	92	357619	45.277	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208353	43.131	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	228475	47.995	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	149363	45.348	ug/l	98
56) Ethyl methacrylate	9.18	69	231337	49.390	ug/l	95
57) 1,3-Dichloropropane	9.37	76	248714	47.172	ug/l	99
59) 2-Hexanone	9.49	43	873318	239.553	ug/l	99
60) Dibromochloromethane	9.58	129	158777	50.098	ug/l	98
61) 1,2-Dibromoethane	9.67	107	158242	46.273	ug/l	100
64) Tetrachloroethene	9.34	164	156080	48.520	ug/l	97
65) Chlorobenzene	10.13	112	393701	45.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	146822	49.114	ug/l	99
67) Ethyl Benzene	10.25	91	662343	46.654	ug/l	100
68) m/p-Xylenes	10.36	106	509290	92.212	ug/l	97
69) o-Xylene	10.70	106	249743	47.011	ug/l	97
70) Styrene	10.71	104	402137	46.053	ug/l	99
71) Bromoform	10.85	173	125708	56.077	ug/l #	99
73) Isopropylbenzene	11.02	105	665841	46.421	ug/l	100
74) N-amyl acetate	10.90	43	299094	48.018	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	223203	44.992	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	259662	60.700	ug/l	80
77) Bromobenzene	11.26	156	178317	49.564	ug/l	95
78) n-propylbenzene	11.36	91	732391	45.186	ug/l	99
79) 2-Chlorotoluene	11.42	91	440666	45.153	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	543766	46.088	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	67390	42.683	ug/l	91
82) 4-Chlorotoluene	11.51	91	505263	44.256	ug/l	98
83) tert-Butylbenzene	11.77	119	546920	48.280	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	557854	46.224	ug/l	99
85) sec-Butylbenzene	11.94	105	648288	45.669	ug/l	99
86) p-Isopropyltoluene	12.06	119	586674	47.192	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	311137	46.624	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	312741	45.759	ug/l	100
89) n-Butylbenzene	12.38	91	483388	43.600	ug/l	99
90) Hexachloroethane	12.60	117	97913	46.744	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	312691	46.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48681	45.036	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	215354	52.837	ug/l	99

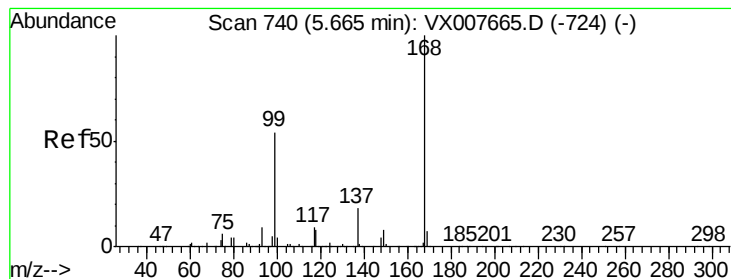
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	110067	59.032	ug/l	99
95) Naphthalene	13.83	128	663673	50.260	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	217264	53.089	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

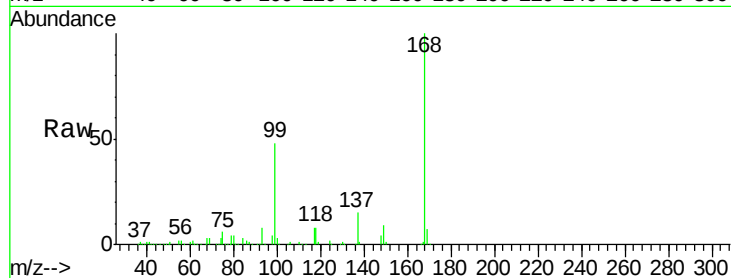
BP-VPB201-GW-485-487MS

Tot Ion:168 Resp: 303173

Ion Ratio Lower Upper

168 100

99 47.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

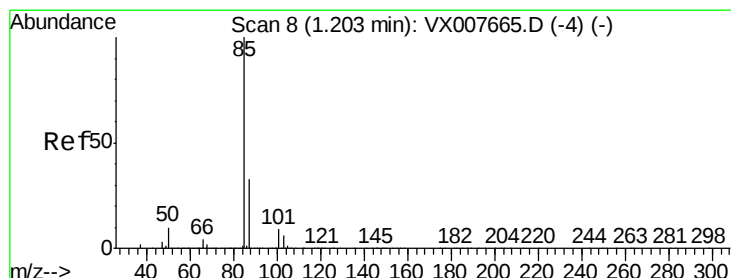
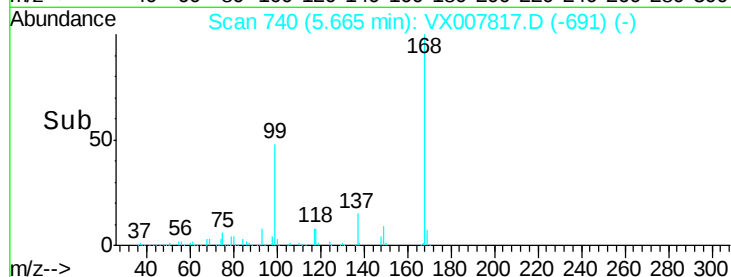
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.829 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007817.D

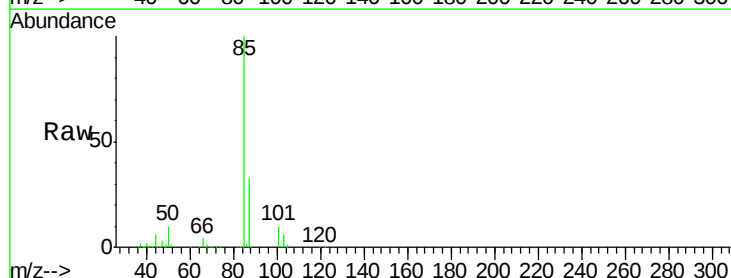
Acq: 04 Mar 2019 18:08

Tgt Ion: 85 Resp: 111236

Ion Ratio Lower Upper

85 100

87 32.5 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

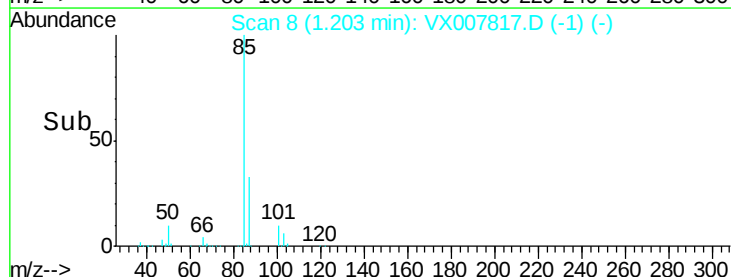
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Time-->

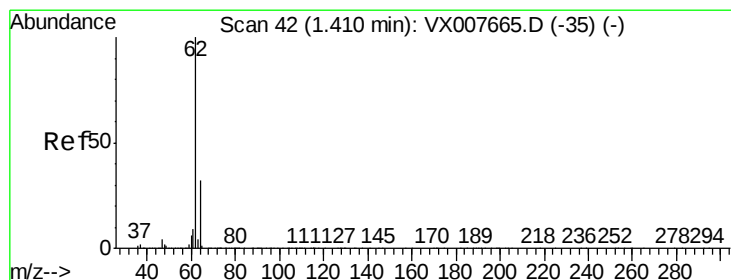
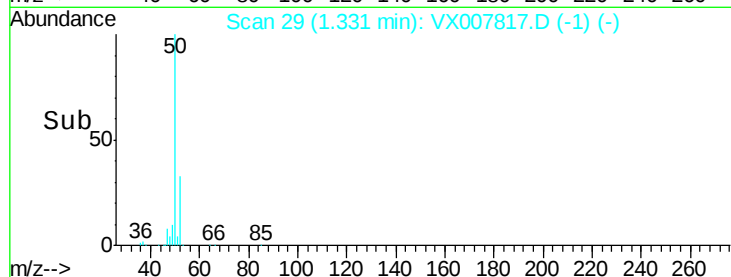
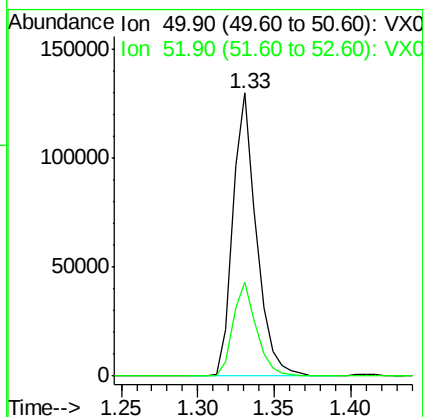
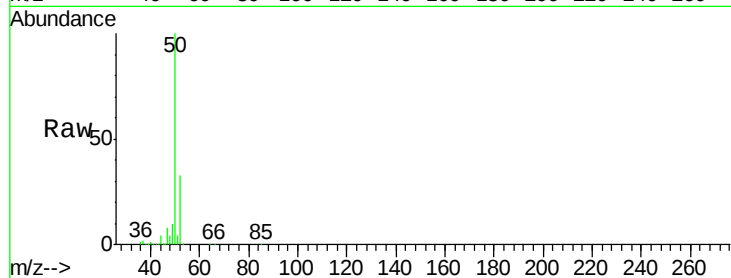




#3
Chloromethane
Concen: 44.679 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

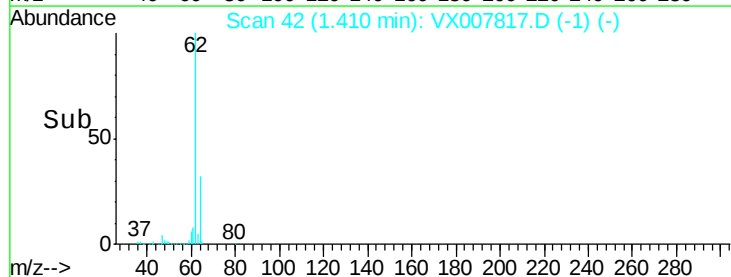
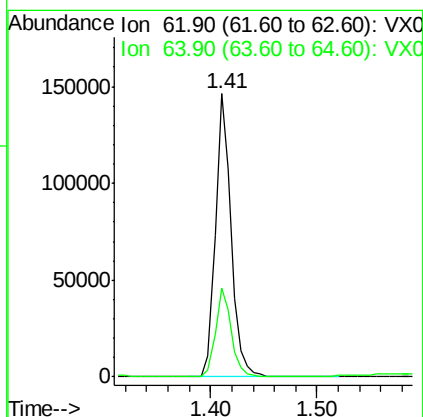
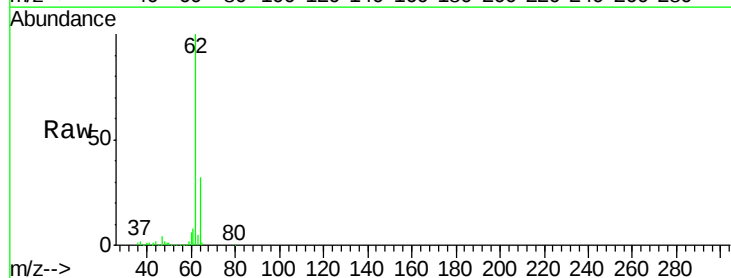
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

Tot Ion: 50 Resp: 138275
Ion Ratio Lower Upper
50 100
52 33.1 26.1 39.1



#4
Vinyl Chloride
Concen: 46.533 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 62 Resp: 147749
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0





#5

Bromomethane

Concen: 38.311 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

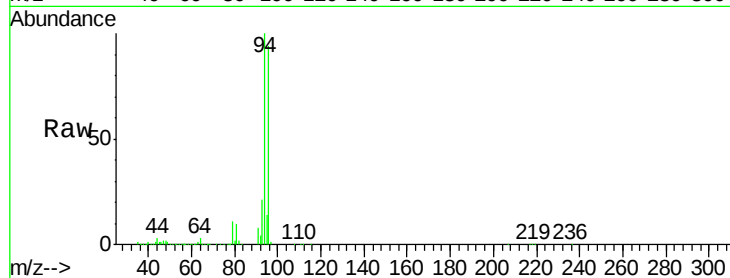
BP-VPB201-GW-485-487MS

Tot Ion: 94 Resp: 77348

Ion Ratio Lower Upper

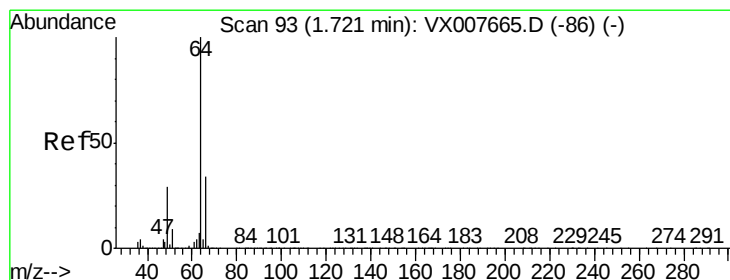
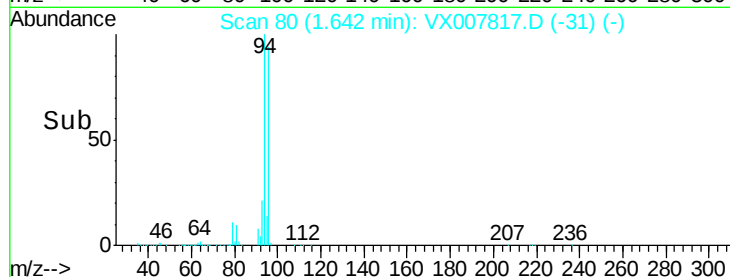
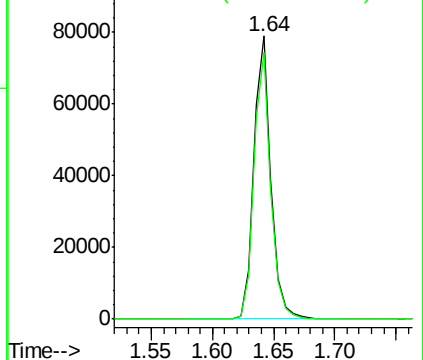
94 100

96 94.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.700 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007817.D

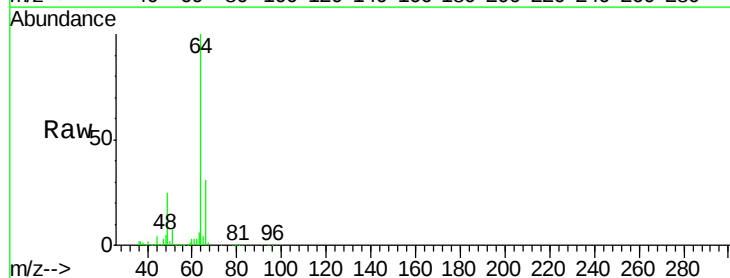
Acq: 04 Mar 2019 18:08

Tgt Ion: 64 Resp: 98791

Ion Ratio Lower Upper

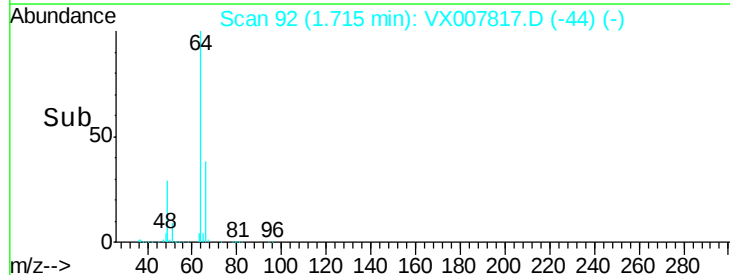
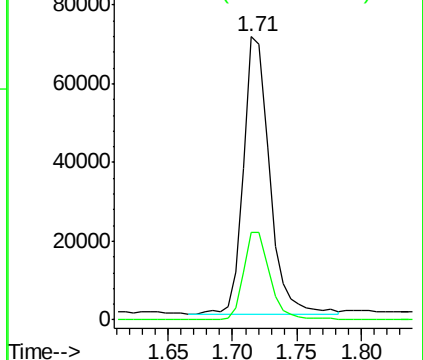
64 100

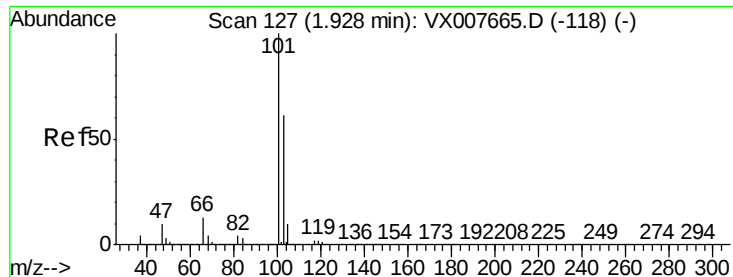
66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



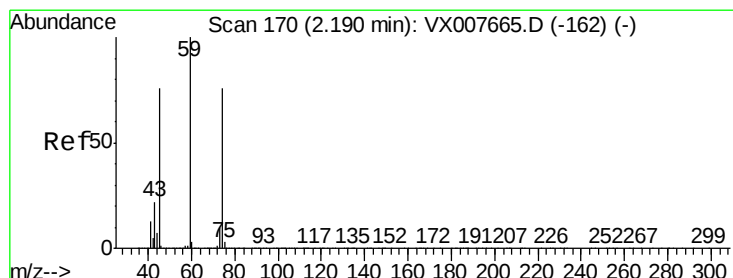
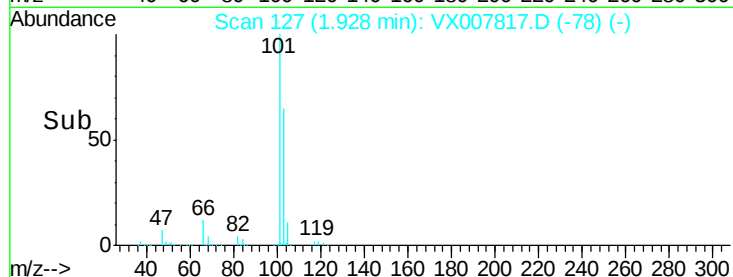
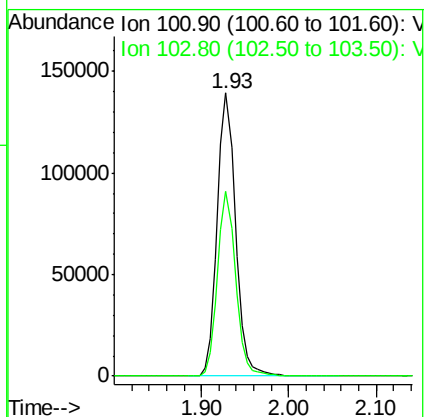
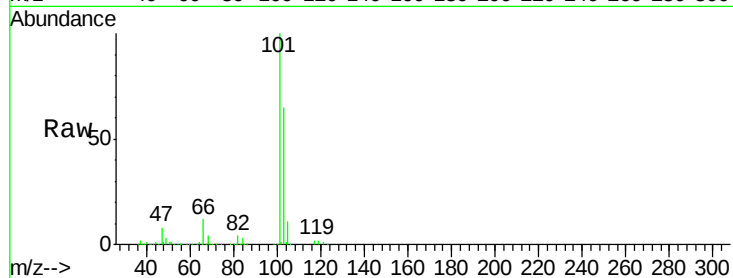


#7

Trichlorofluoromethane
Concen: 41.657 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

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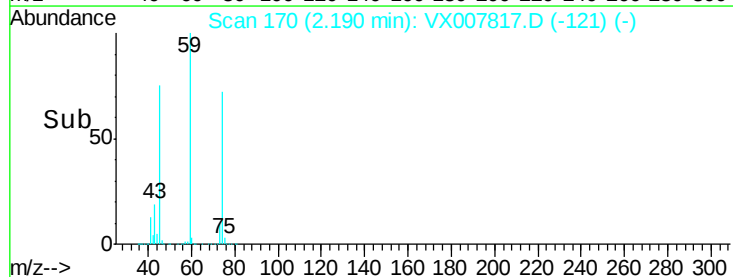
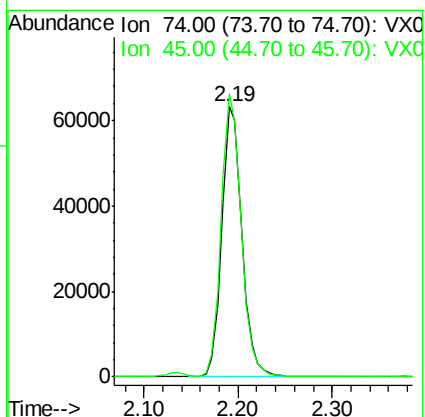
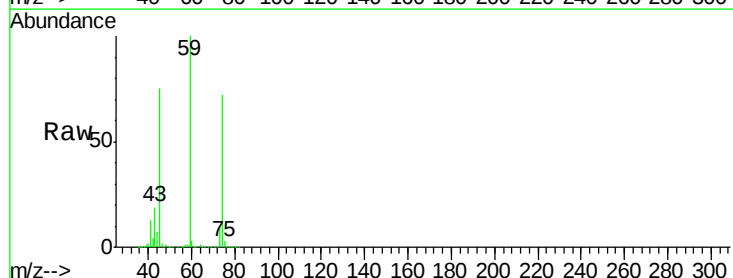
Tot Ion:101 Resp: 202766
Ion Ratio Lower Upper
101 100
103 65.5 52.6 79.0



#8

Diethyl Ether
Concen: 46.923 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 74 Resp: 93736
Ion Ratio Lower Upper
74 100
45 103.4 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.143 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

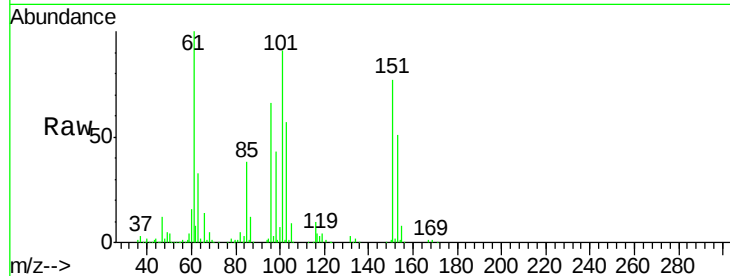
Tot Ion:101 Resp: 121042

Ion Ratio Lower Upper

101 100

85 42.0 34.1 51.1

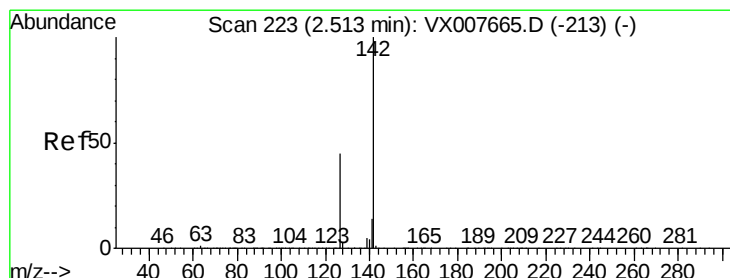
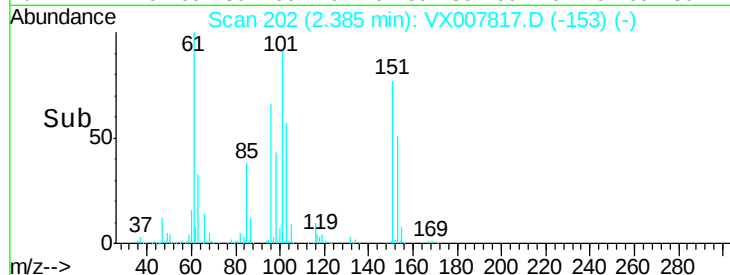
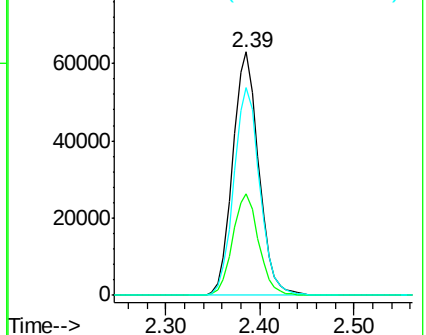
151 85.4 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.960 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

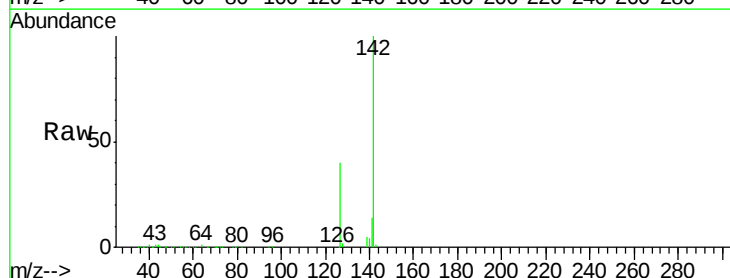
Tgt Ion:142 Resp: 194011

Ion Ratio Lower Upper

142 100

127 39.6 33.7 50.5

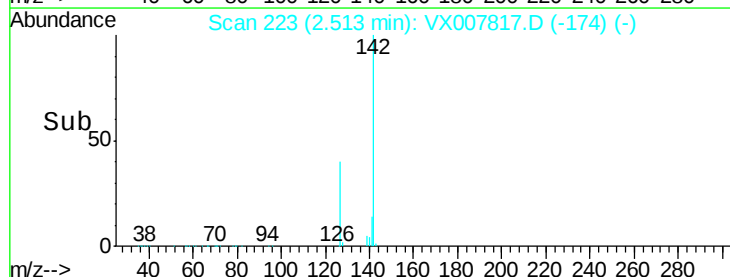
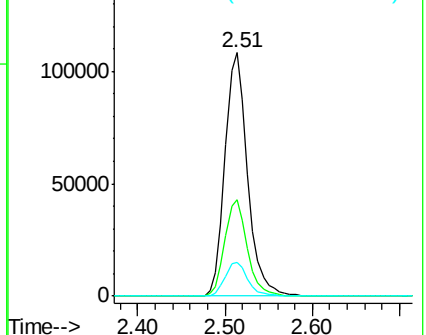
141 14.1 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



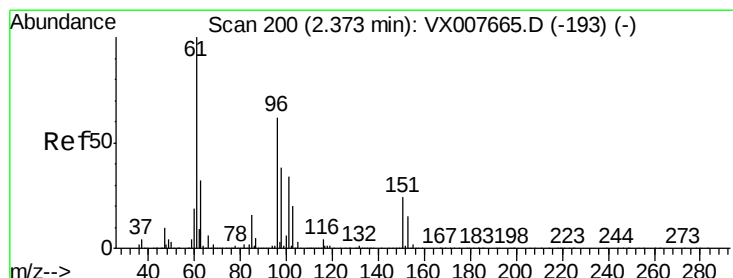
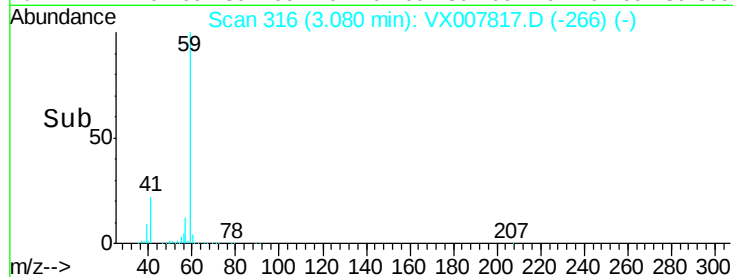
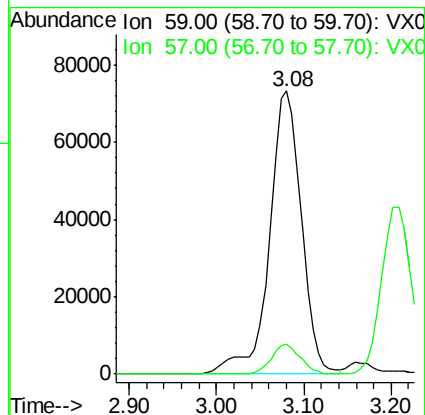
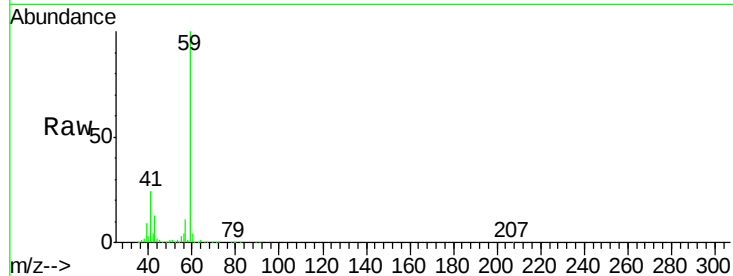


#11

Tert butyl alcohol
Concen: 263.390 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

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

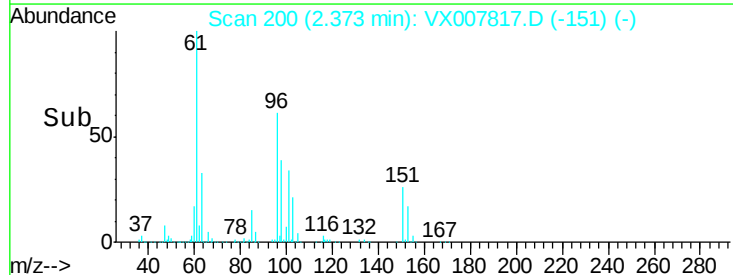
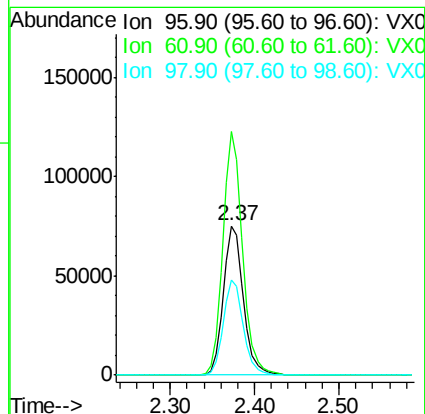
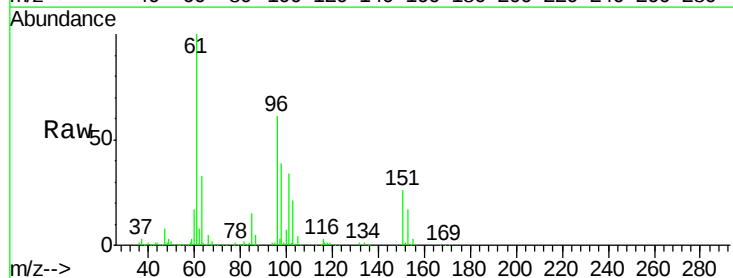
Tot Ion: 59 Resp: 187671
Ion Ratio Lower Upper
59 100
57 9.5 8.1 12.1

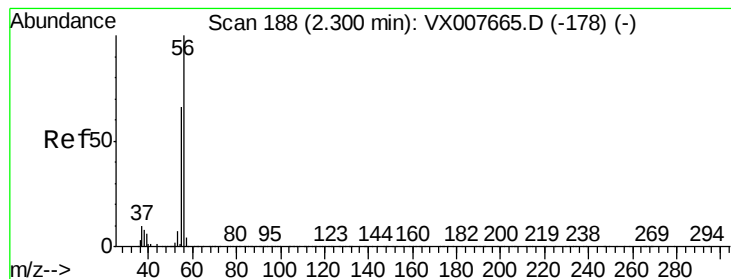


#12

1,1-Dichloroethene
Concen: 46.479 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 96 Resp: 123258
Ion Ratio Lower Upper
96 100
61 162.9 123.0 184.4
98 63.9 50.9 76.3





#13

Acrolein

Concen: 360.023 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

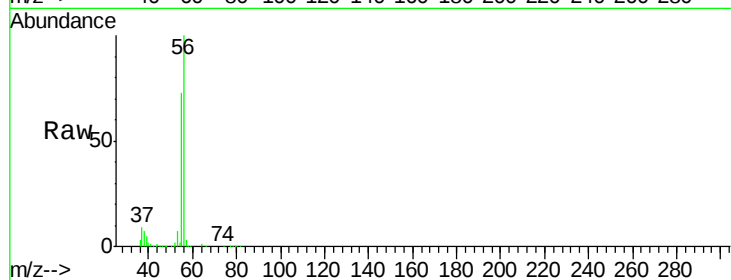
BP-VPB201-GW-485-487MS

Tot Ion: 56 Resp: 227951

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150000

100000

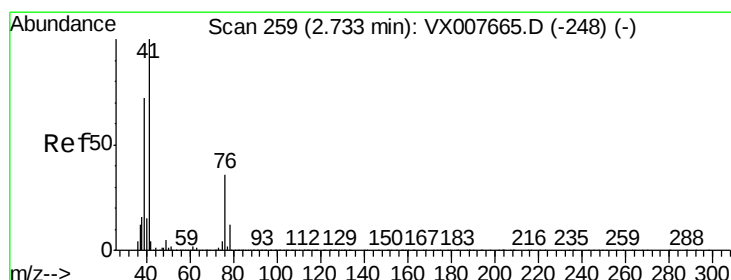
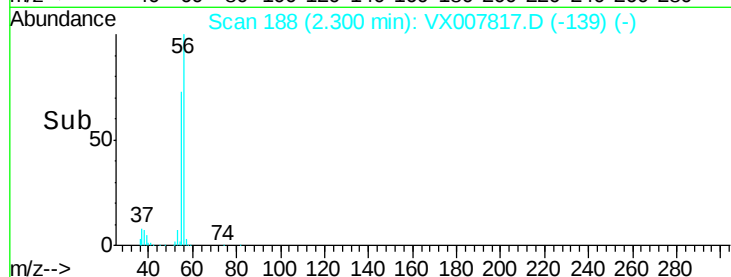
50000

0

2.30

2.20 2.30 2.40 2.50

Time-->



#14

Allyl chloride

Concen: 53.087 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

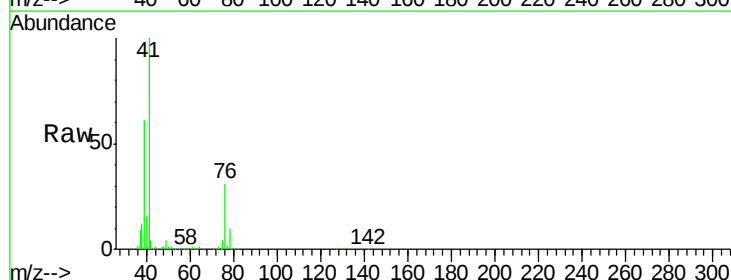
Tgt Ion: 41 Resp: 260310

Ion Ratio Lower Upper

41 100

39 58.4 54.1 81.1

76 30.2 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

100000

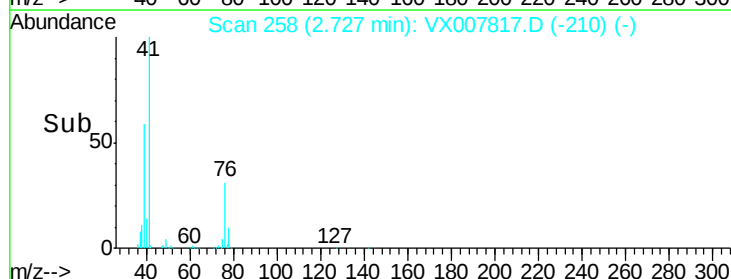
50000

0

2.73

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 263.816 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

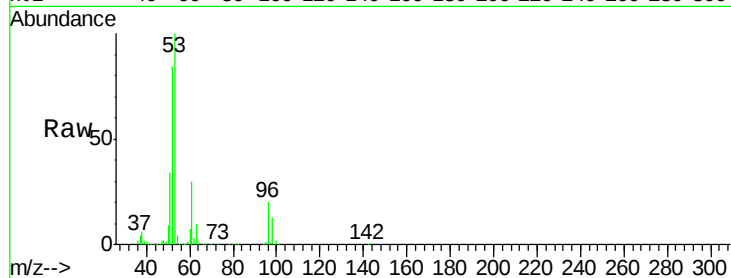
MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

Tot Ion: 53 Resp: 442361

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	35.0	28.4	42.6

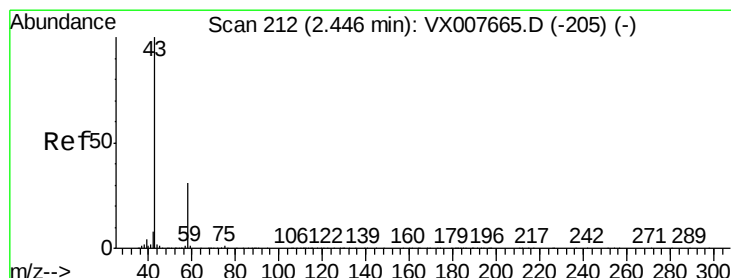
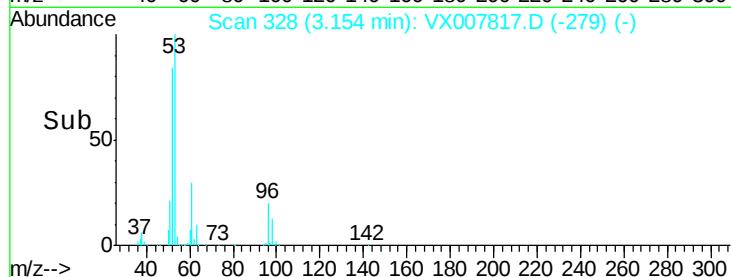
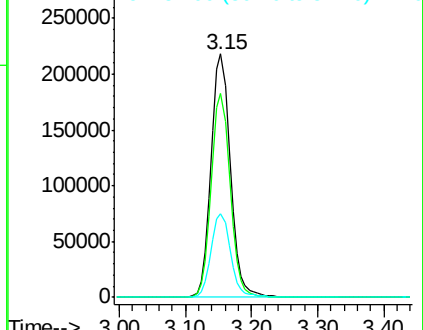


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 220.260 ug/l

RT: 2.45 min Scan# 213

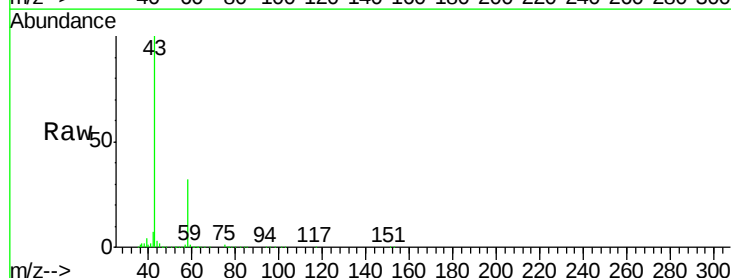
Delta R.T. 0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Tgt Ion: 43 Resp: 367835

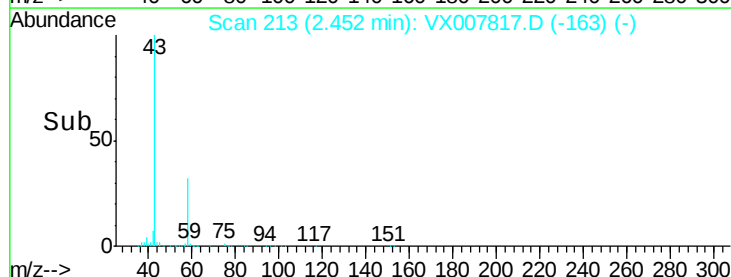
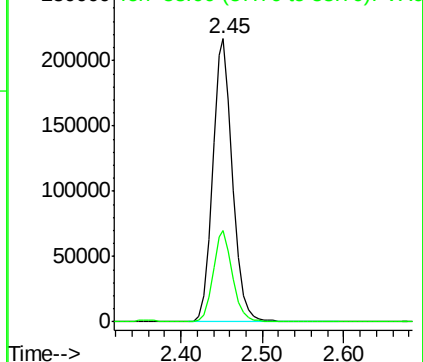
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.9	37.3

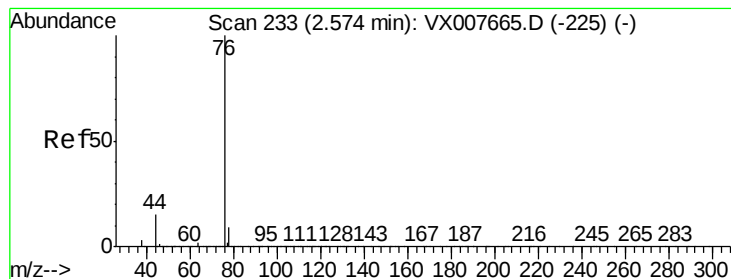


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 47.004 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

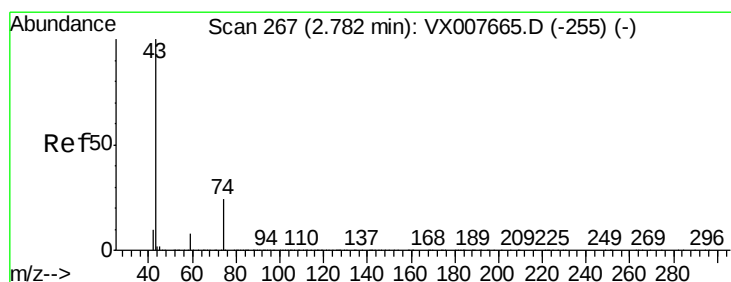
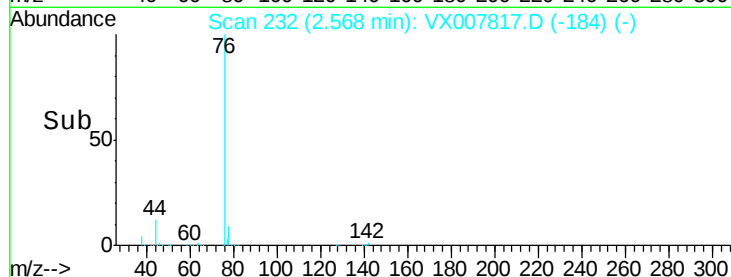
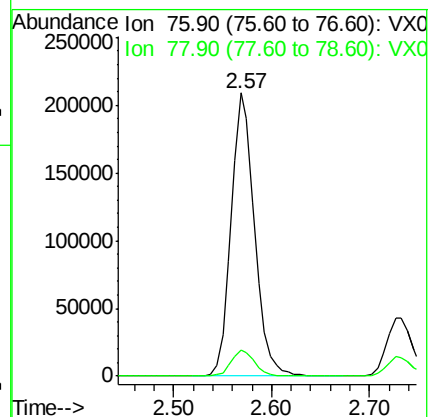
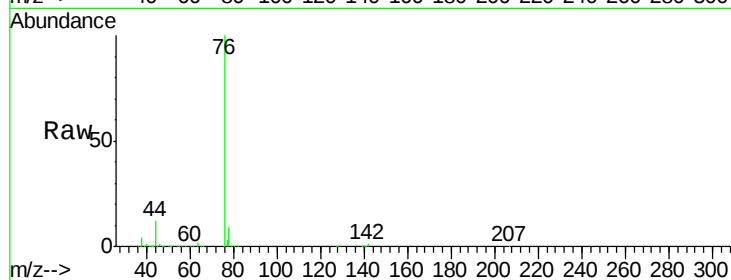
BP-VPB201-GW-485-487MS

Tot Ion: 76 Resp: 346786

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 55.497 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007817.D

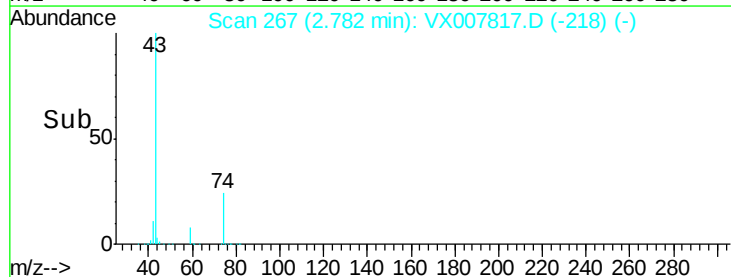
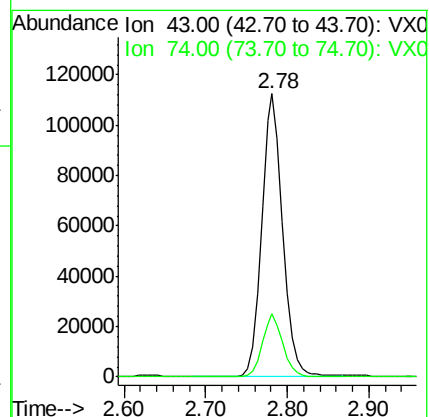
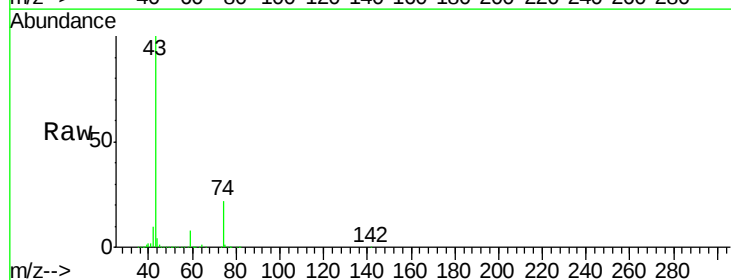
Acq: 04 Mar 2019 18:08

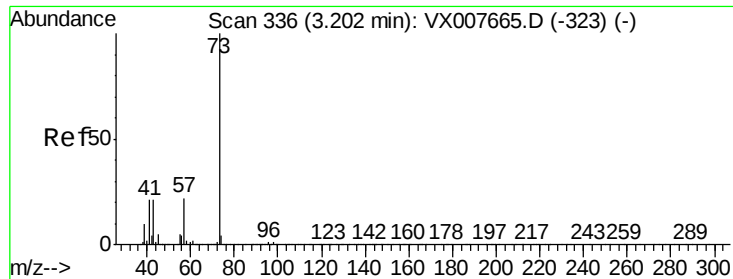
Tgt Ion: 43 Resp: 202239

Ion Ratio Lower Upper

43 100

74 22.0 19.4 29.2

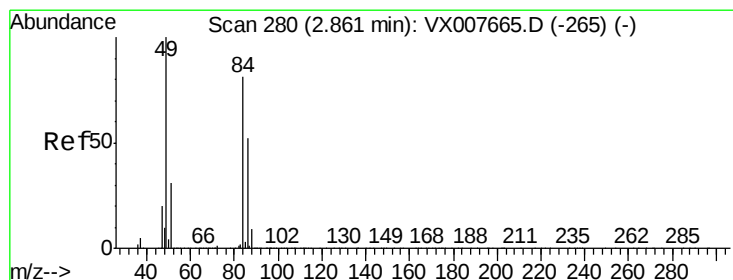
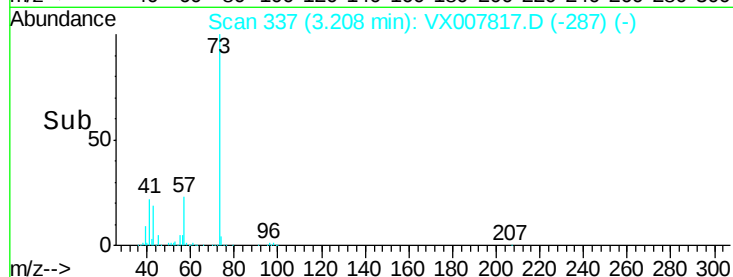
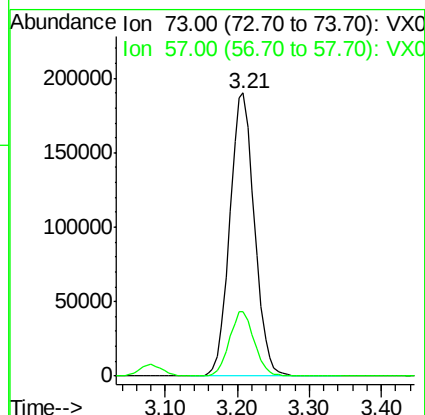
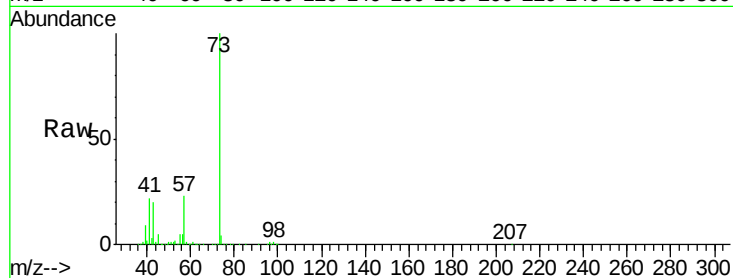




#19
Methvl tert-butvl Ether
Concen: 49.072 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

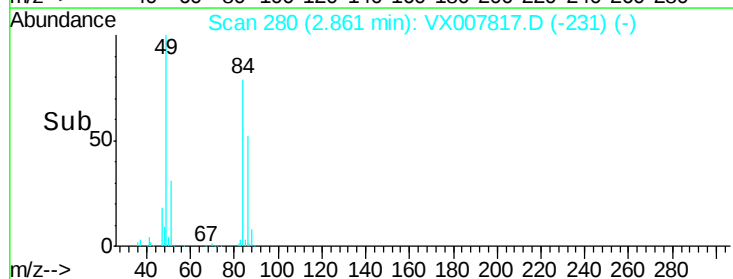
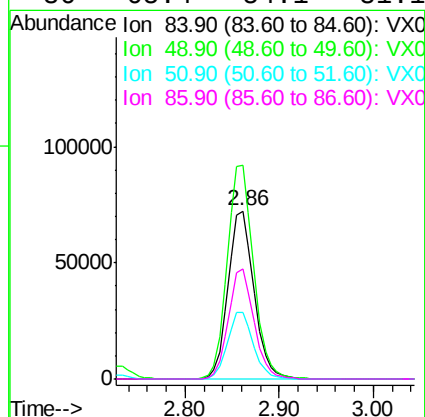
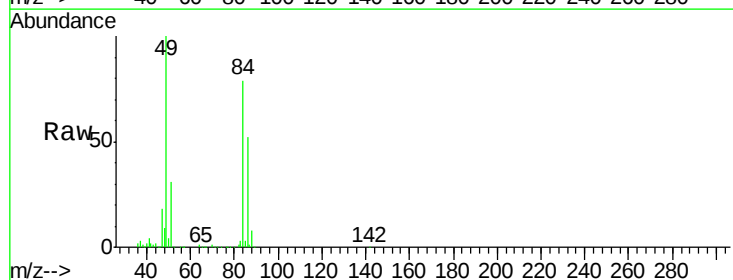
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

Tot Ion: 73 Resp: 453173
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8



#20
Methylene Chloride
Concen: 44.913 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 84 Resp: 138497
Ion Ratio Lower Upper
84 100
49 127.0 94.8 142.2
51 39.2 29.8 44.8
86 65.4 54.1 81.1





#21

trans-1,2-Dichloroethene

Concen: 45.340 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

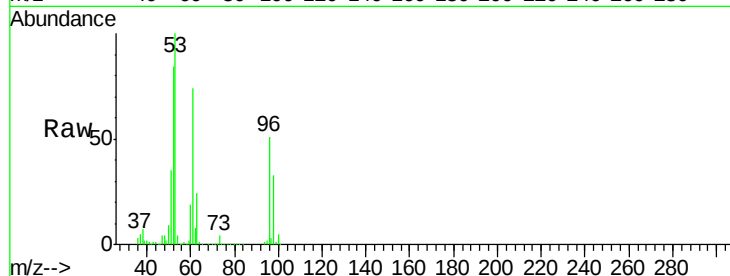
Tot Ion: 96 Resp: 130714

Ion Ratio Lower Upper

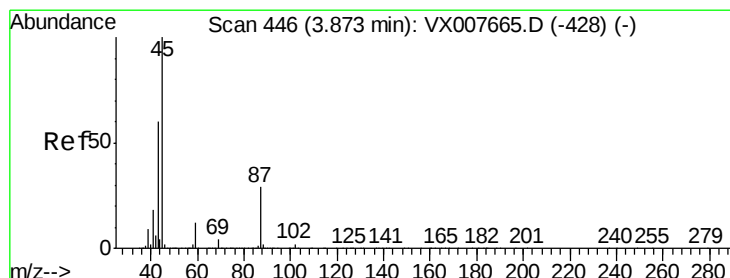
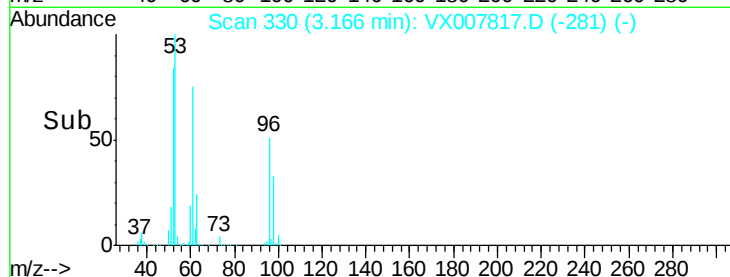
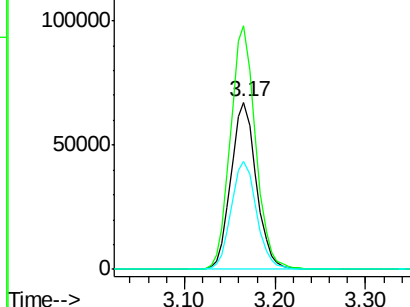
96 100

61 145.4 104.6 156.8

98 64.8 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.283 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Tgt Ion: 45 Resp: 492852

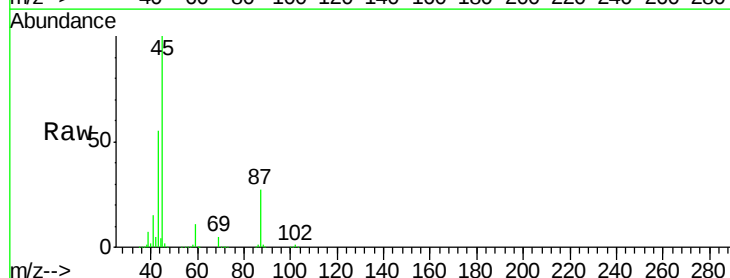
Ion Ratio Lower Upper

45 100

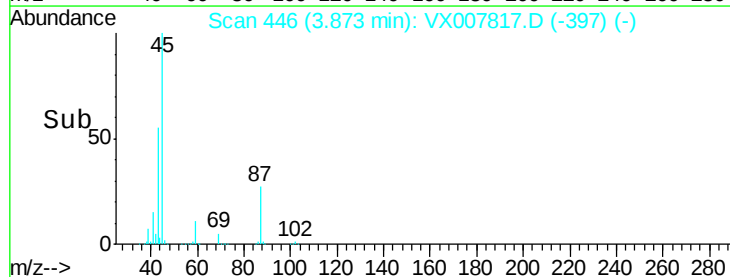
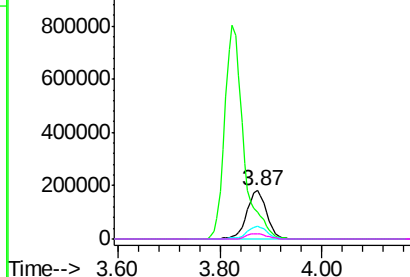
43 55.2 48.9 73.3

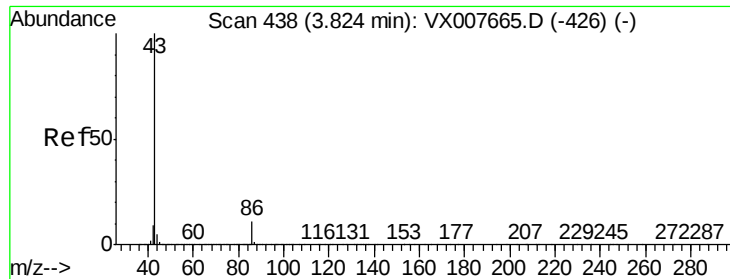
87 26.6 23.9 35.9

59 11.4 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 229.276 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

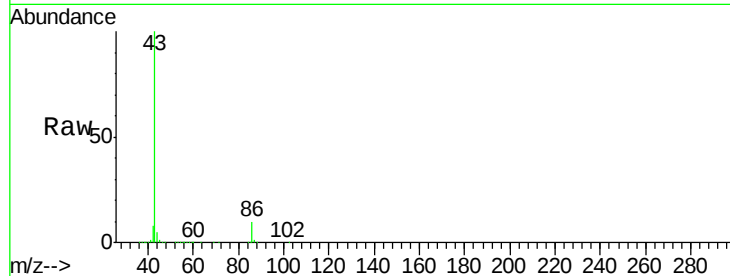
BP-VPB201-GW-485-487MS

Tot Ion: 43 Resp: 2053318

Ion Ratio Lower Upper

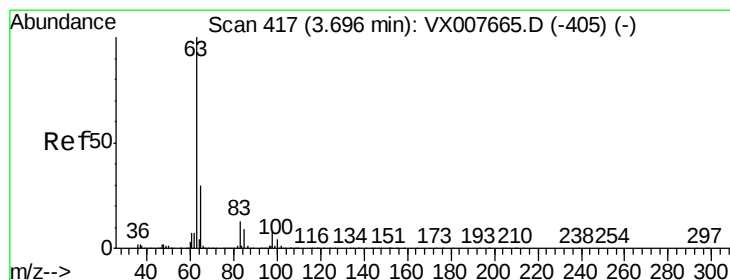
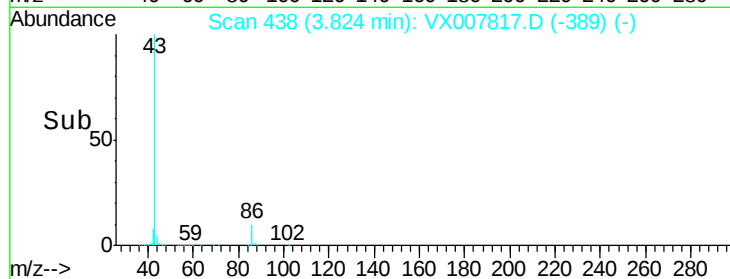
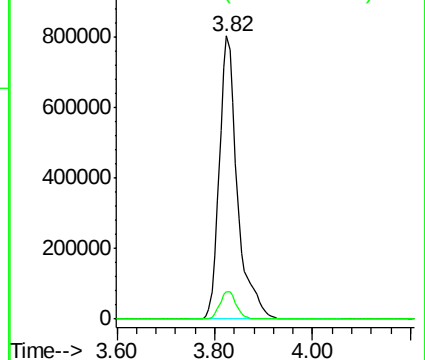
43 100

86 9.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.489 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

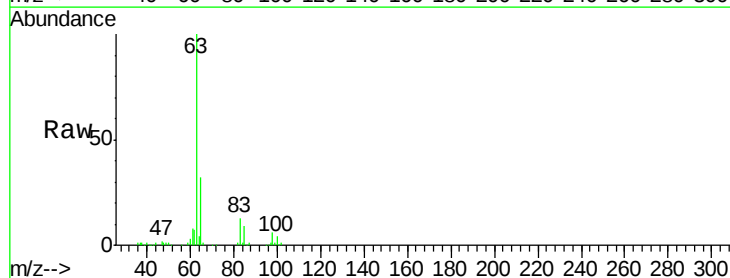
Tgt Ion: 63 Resp: 263452

Ion Ratio Lower Upper

63 100

98 6.4 3.6 10.8

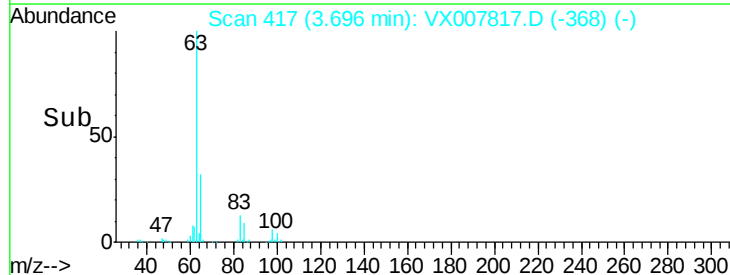
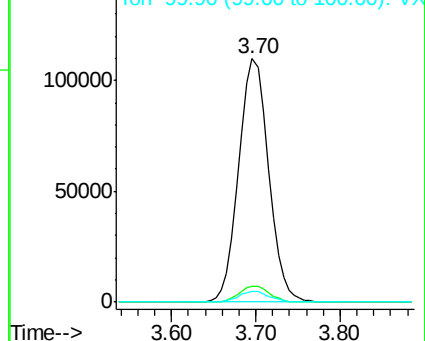
100 4.3 2.5 7.4

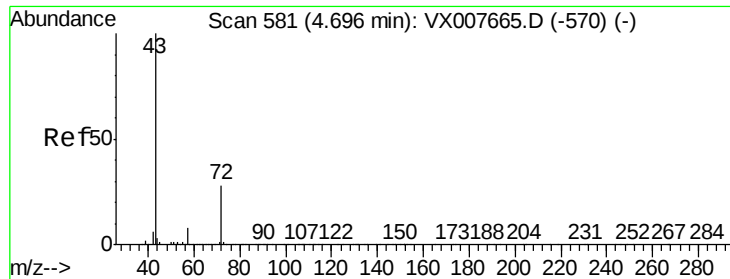


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 240.032 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

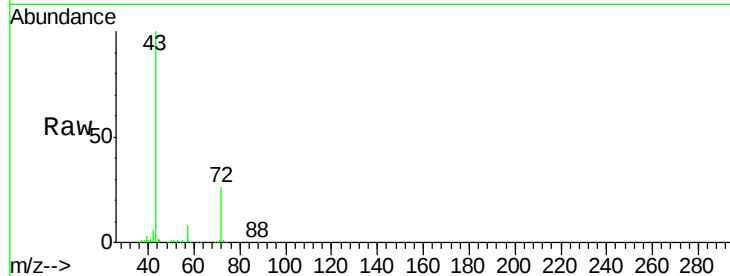
BP-VPB201-GW-485-487MS

Tot Ion: 43 Resp: 610608

Ion Ratio Lower Upper

43 100

72 25.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

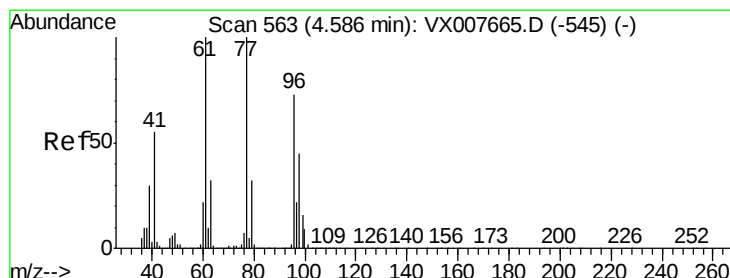
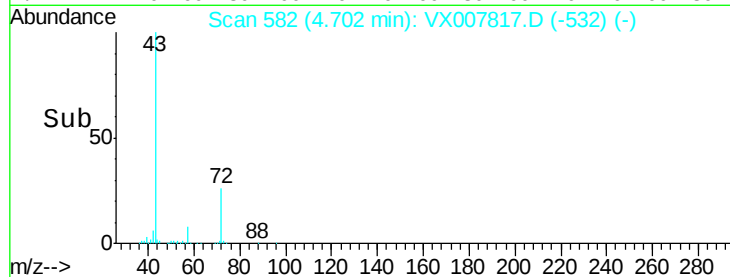
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.118 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007817.D

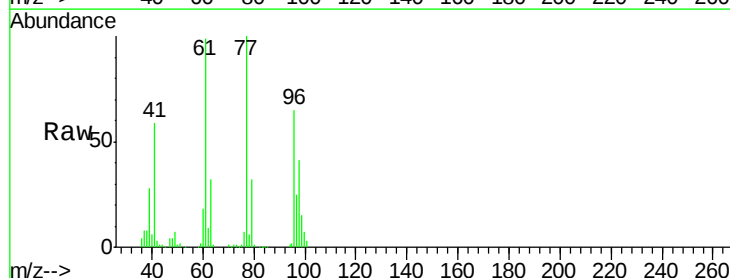
Acq: 04 Mar 2019 18:08

Tgt Ion: 77 Resp: 168799

Ion Ratio Lower Upper

77 100

97 25.2 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

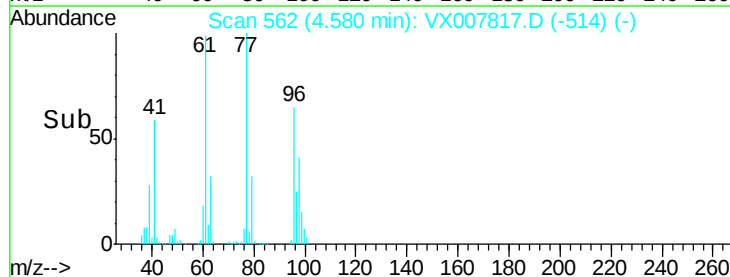
20000

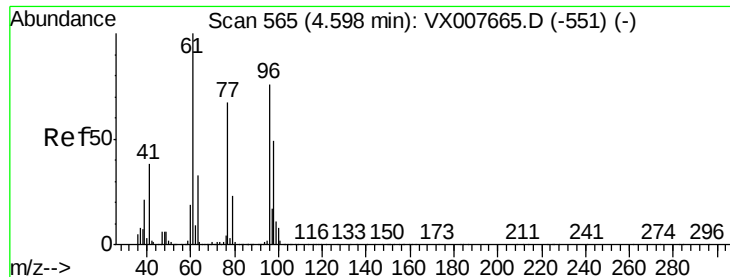
10000

0

4.40 4.50 4.60 4.70

Time-->



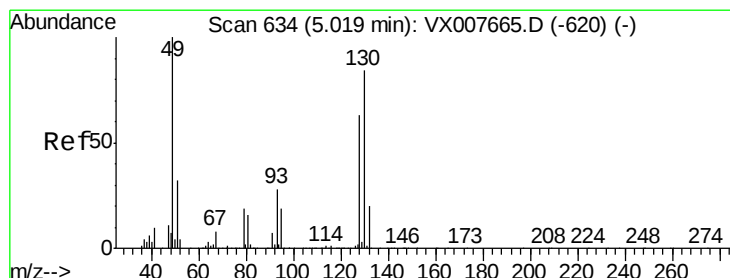
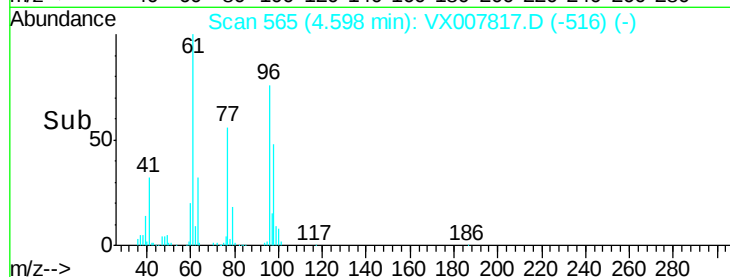
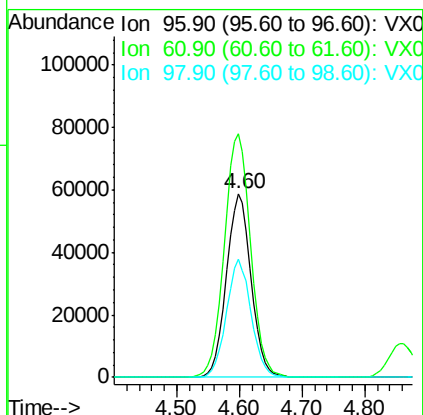
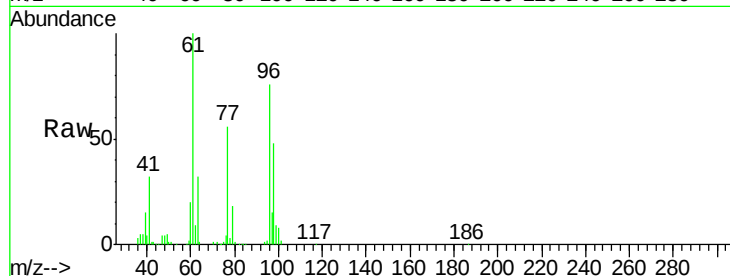


#27

cis-1,2-Dichloroethene
Concen: 43.606 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

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

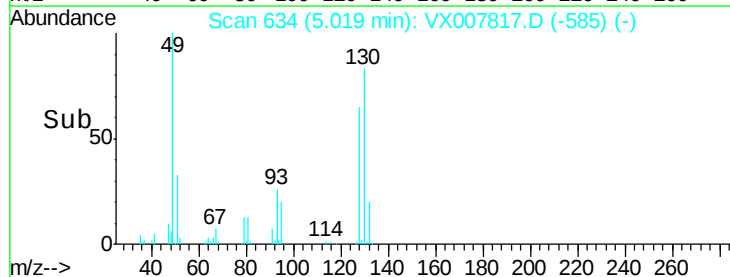
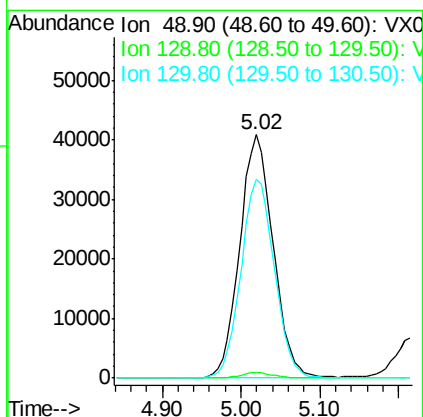
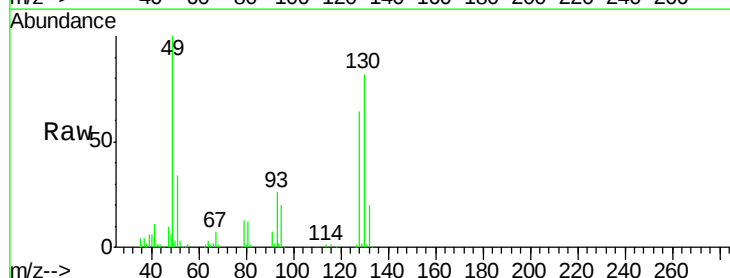
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	265.6
98	64.4	0.0	131.6

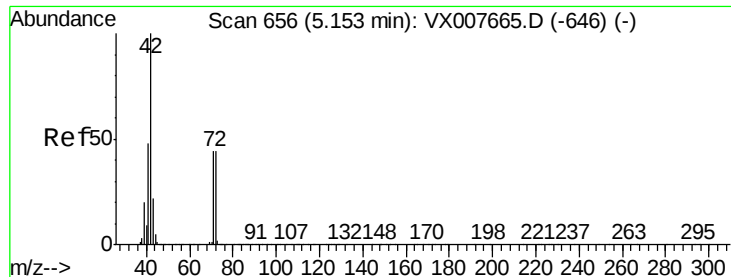


#28

Bromochloromethane
Concen: 44.635 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.6
130	81.8	75.6	113.4





#29

Tetrahydrofuran

Concen: 242.700 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

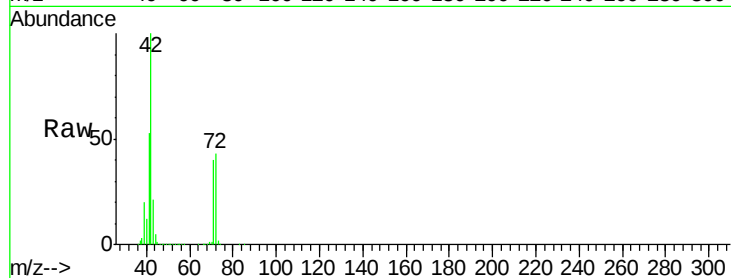
Tot Ion: 42 Resp: 406969

Ion Ratio Lower Upper

42 100

72 42.2 37.6 56.4

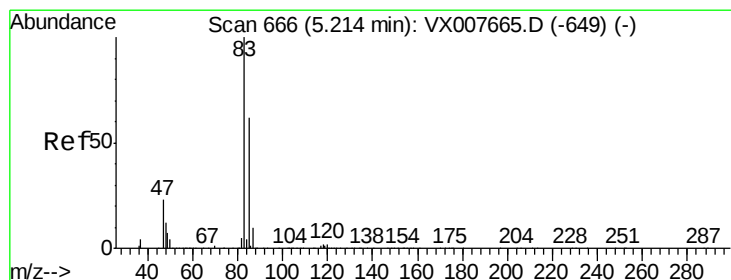
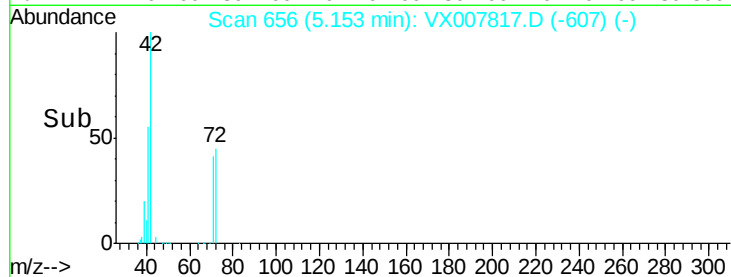
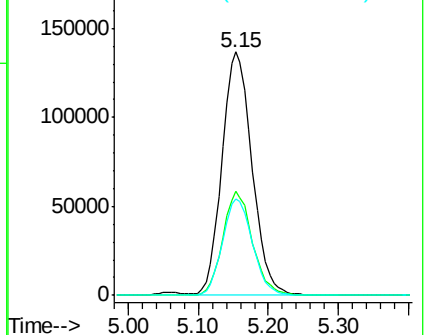
71 39.6 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 42.540 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007817.D

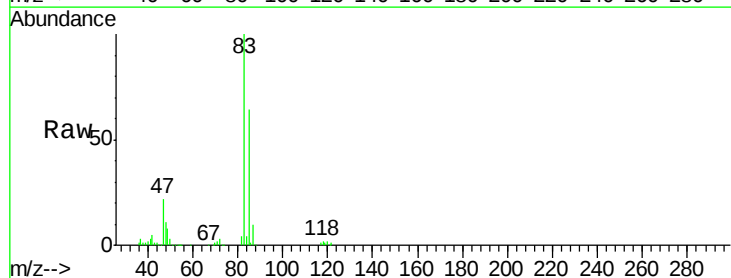
Acq: 04 Mar 2019 18:08

Tgt Ion: 83 Resp: 252790

Ion Ratio Lower Upper

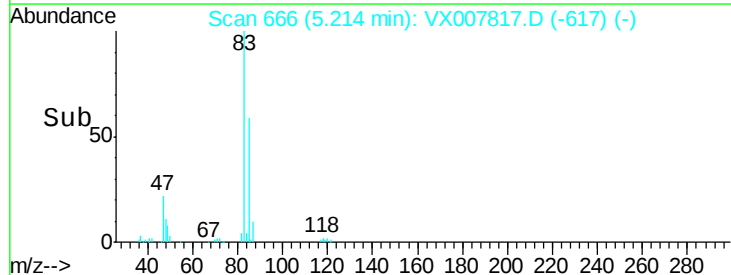
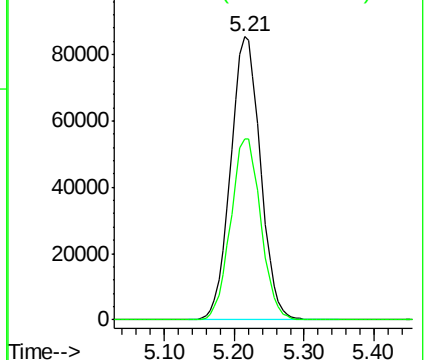
83 100

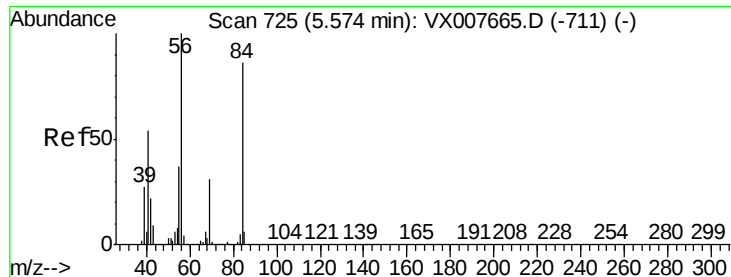
85 64.1 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 43.510 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

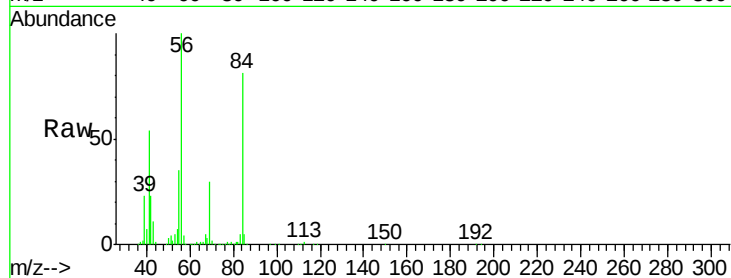
Tot Ion: 56 Resp: 227050

Ion Ratio Lower Upper

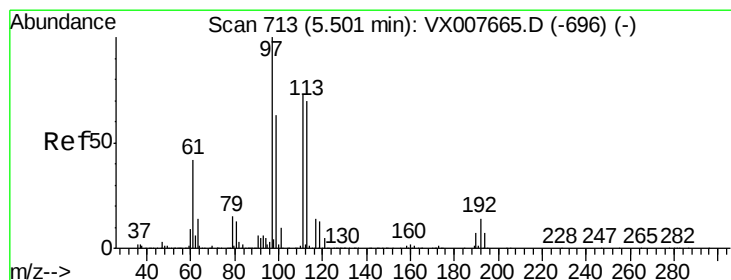
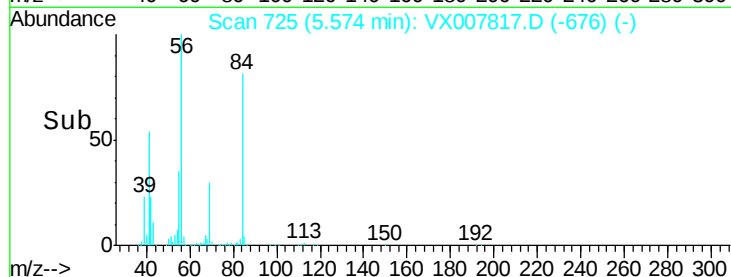
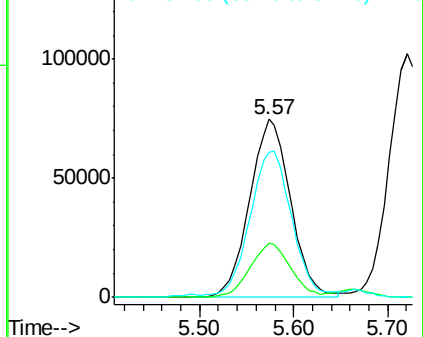
56 100

69 30.5 23.0 34.6

84 79.9 69.8 104.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 43.356 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

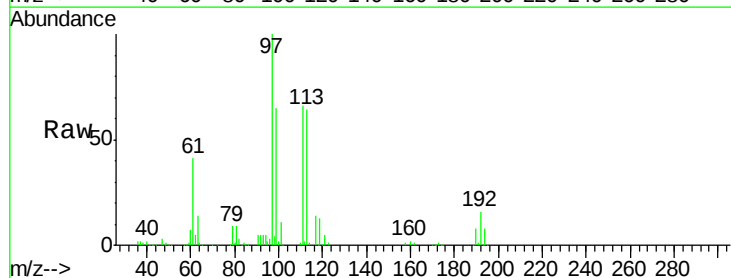
Tgt Ion: 97 Resp: 213072

Ion Ratio Lower Upper

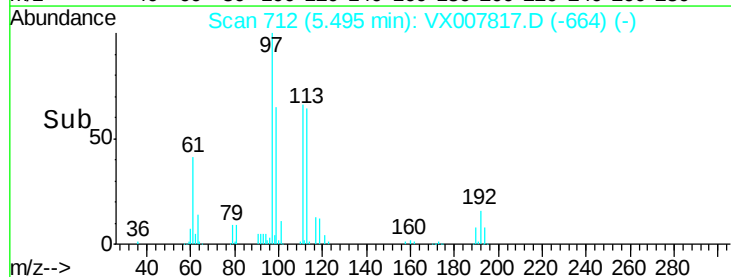
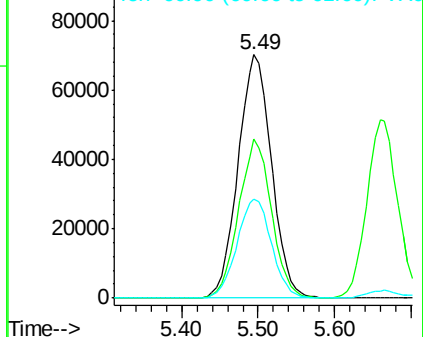
97 100

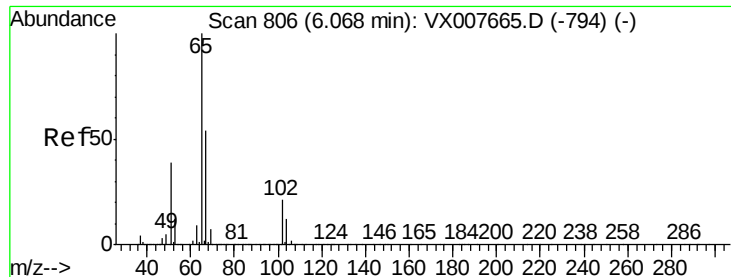
99 64.1 52.2 78.2

61 42.0 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

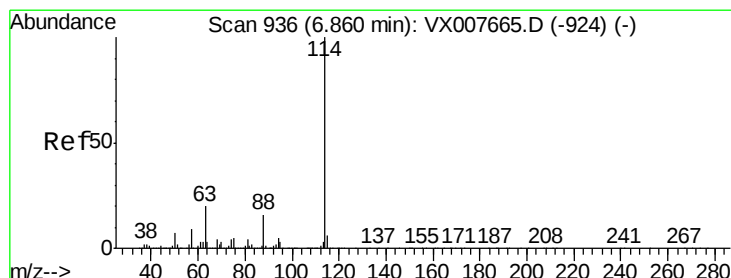
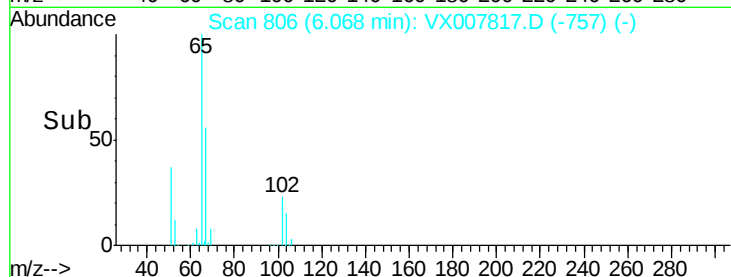
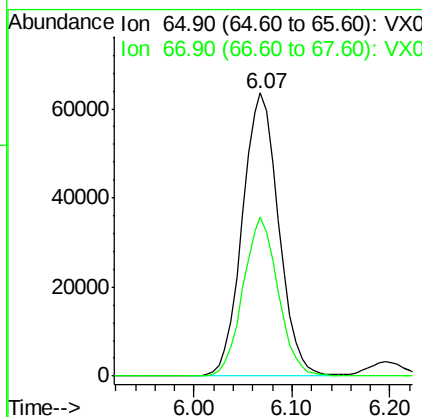
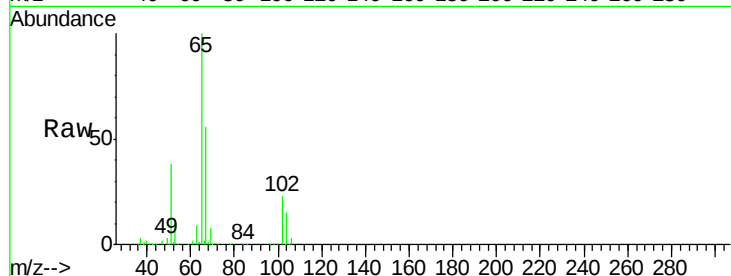




#33
 1,2-Dichloroethane-d4
 Concen: 43.685 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

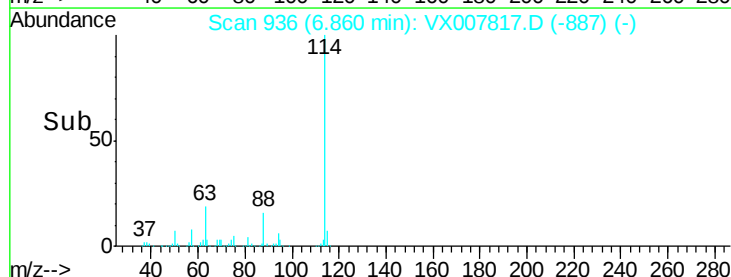
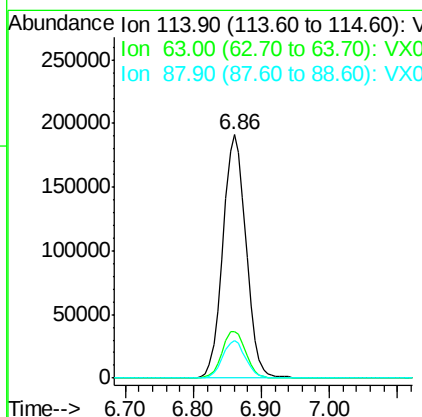
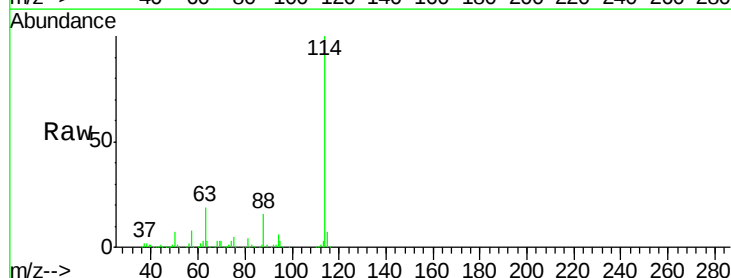
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

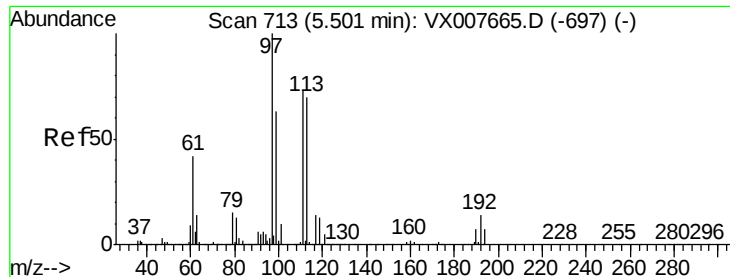
Tot Ion: 65 Resp: 164051
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion: 114 Resp: 451334
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 35.6
 88 15.5 0.0 29.6

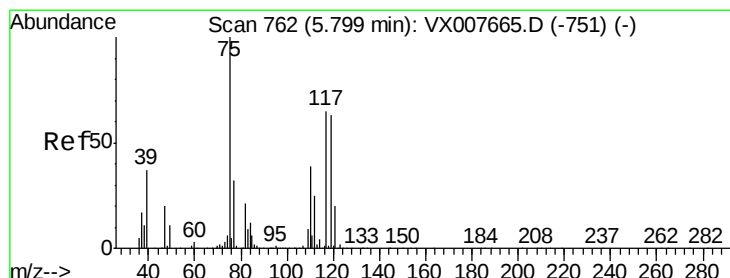
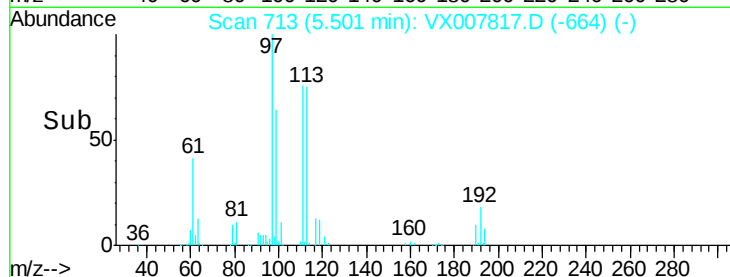
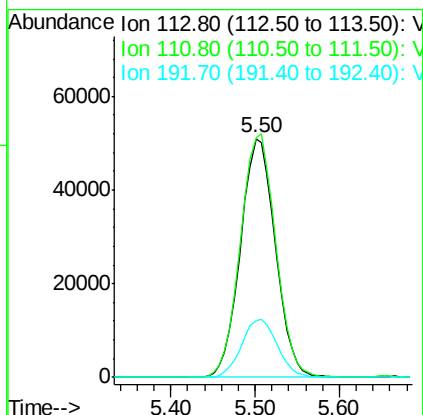
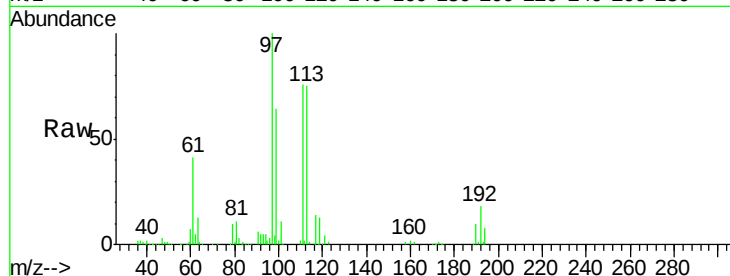




#35
 Dibromofluoromethane
 Concen: 47.454 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

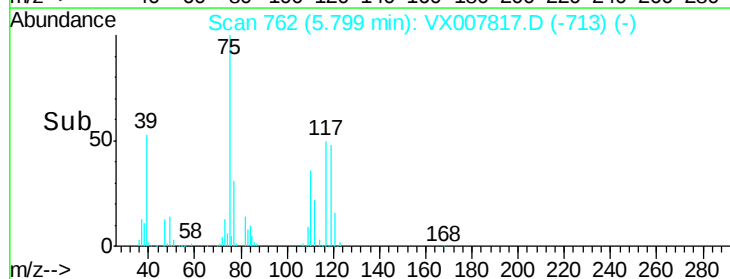
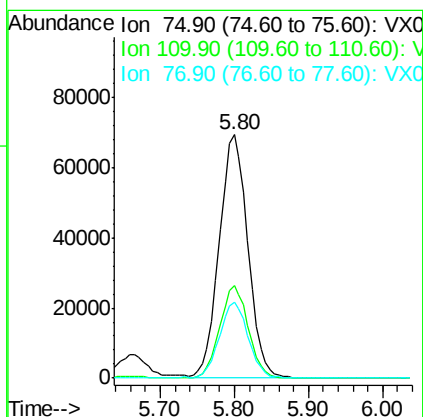
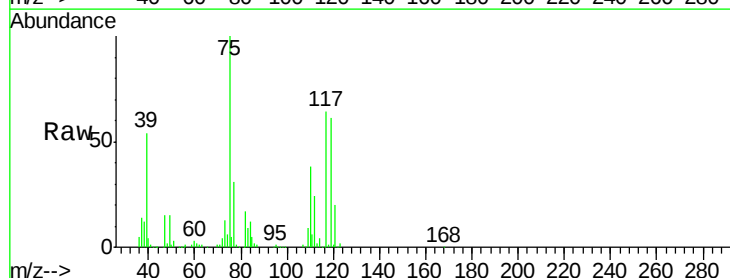
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	24.8	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 45.684 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	20.0	59.9
77	31.3	24.7	37.1

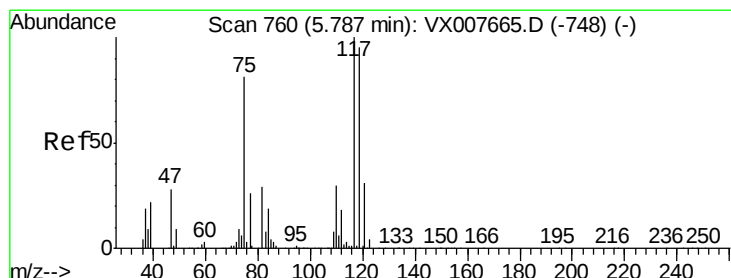
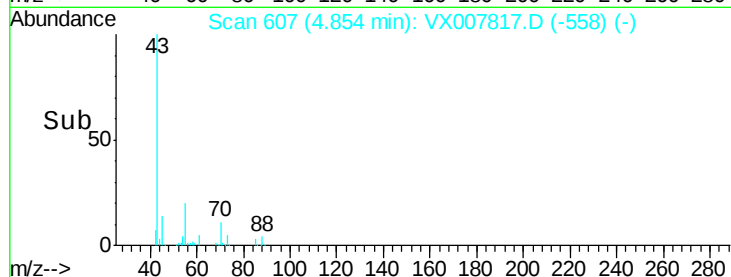
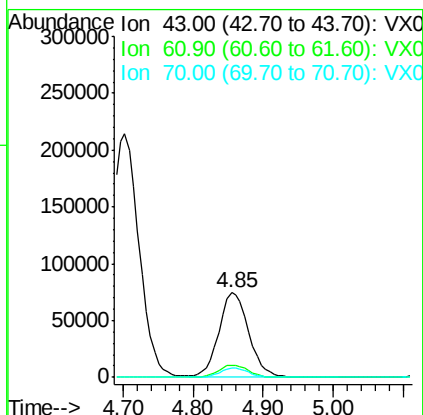
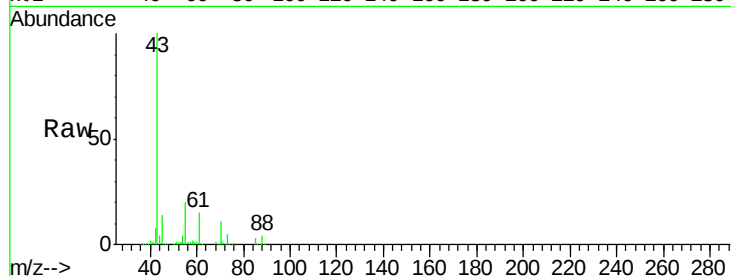




#37
Ethyl Acetate
Concen: 48.682 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

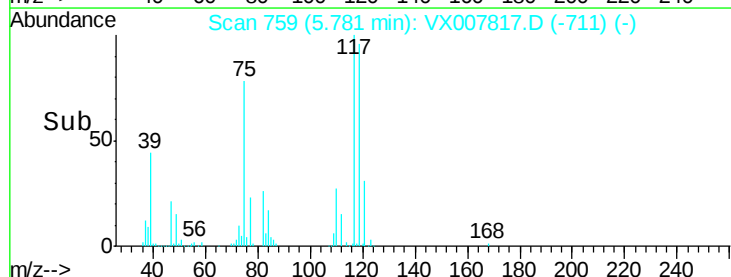
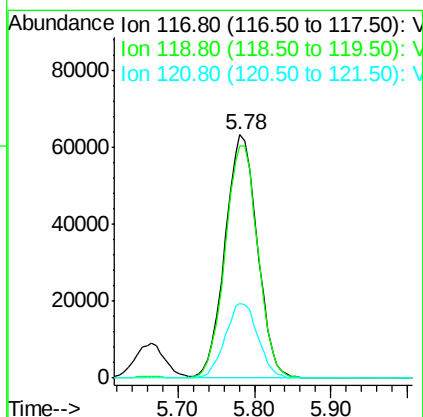
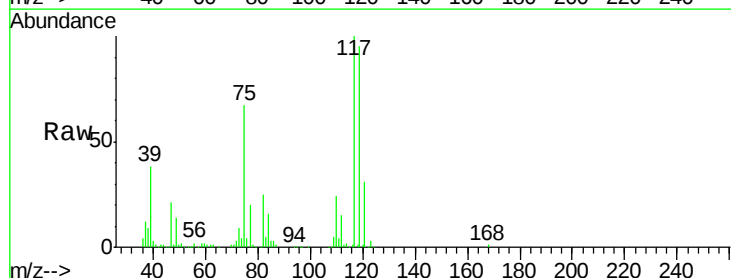
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

Tot Ion: 43 Resp: 219428
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 45.402 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 117 Resp: 185055
Ion Ratio Lower Upper
117 100
119 95.4 75.3 112.9
121 30.9 25.0 37.4

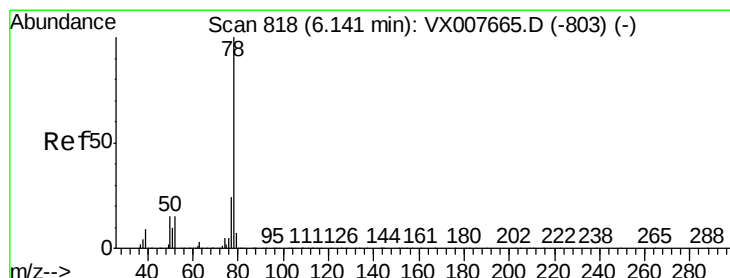
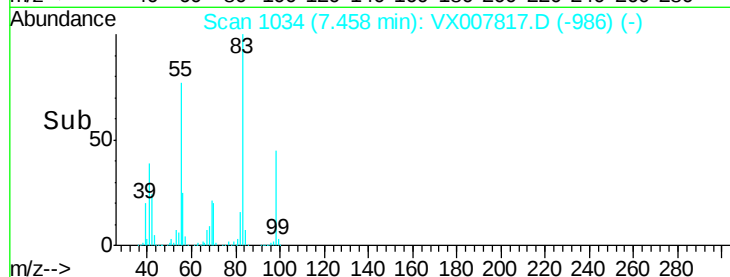
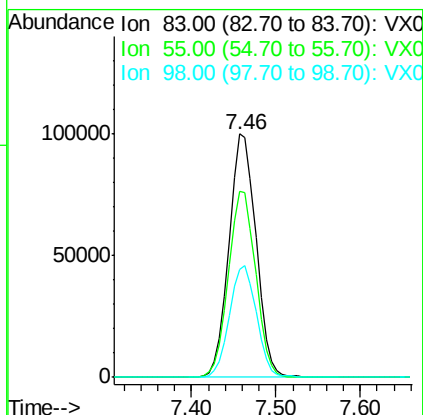
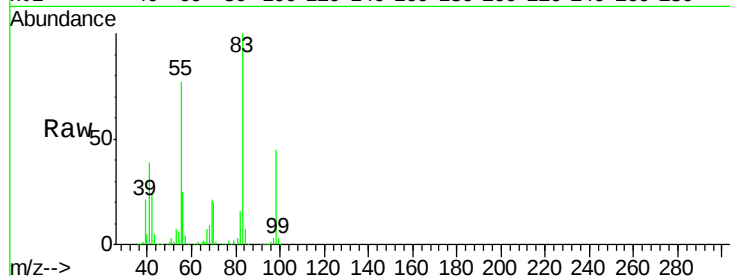




#39
Methvlcvclohexane
Concen: 42.445 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

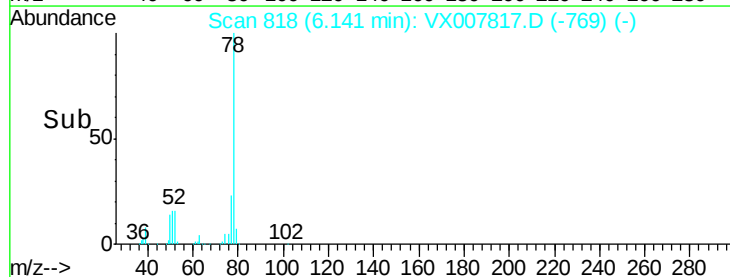
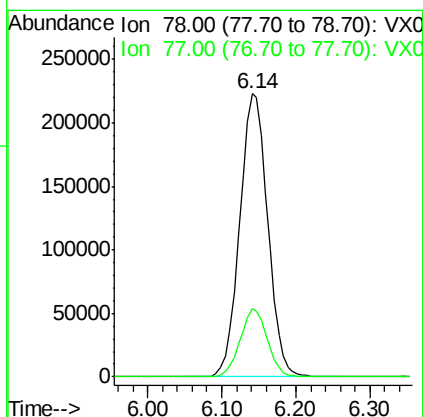
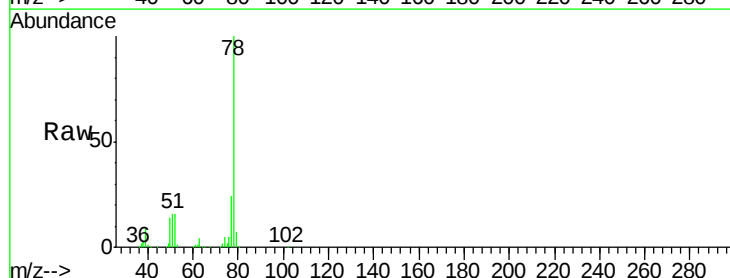
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

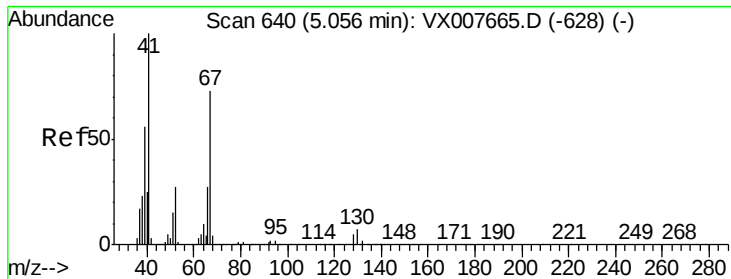
Tot Ion: 83 Resp: 217672
Ion Ratio Lower Upper
83 100
55 76.6 56.2 84.2
98 44.5 36.8 55.2



#40
Benzene
Concen: 46.978 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 78 Resp: 588433
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9





#41

Methacrylonitrile

Concen: 55.377 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

Tot Ion: 41 Resp: 133285

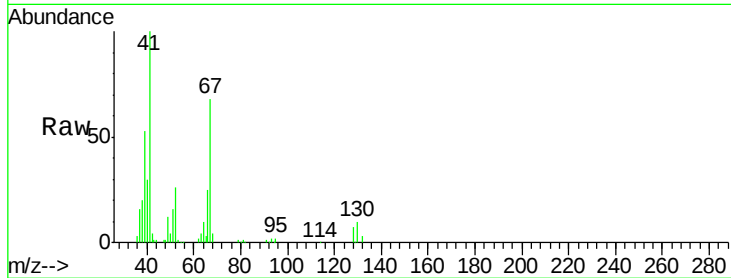
Ion Ratio Lower Upper

41 100

39 51.7 44.5 66.7

67 68.6 60.4 90.6

52 26.9 24.1 36.1

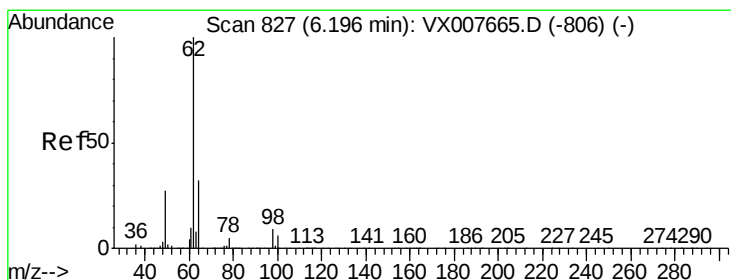
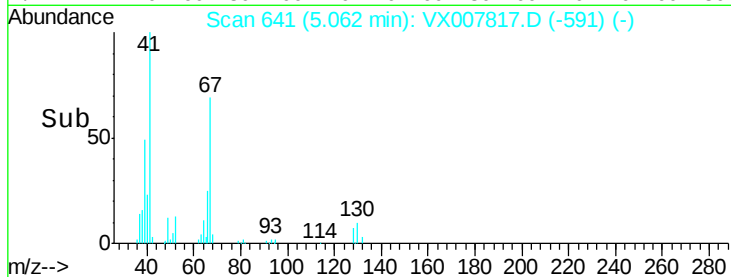
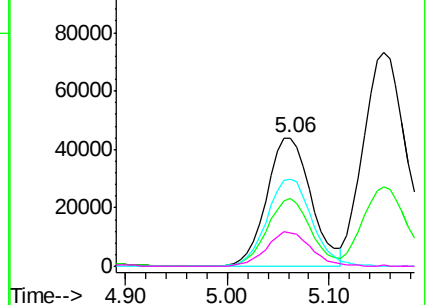


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.668 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007817.D

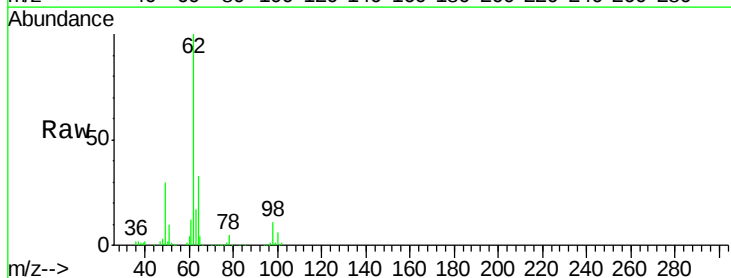
Acq: 04 Mar 2019 18:08

Tgt Ion: 62 Resp: 192264

Ion Ratio Lower Upper

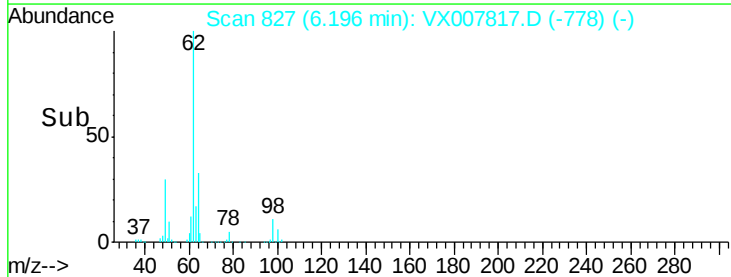
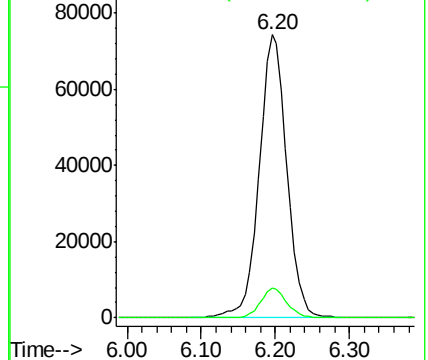
62 100

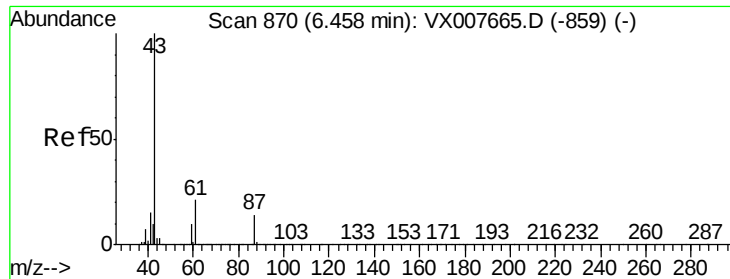
98 10.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



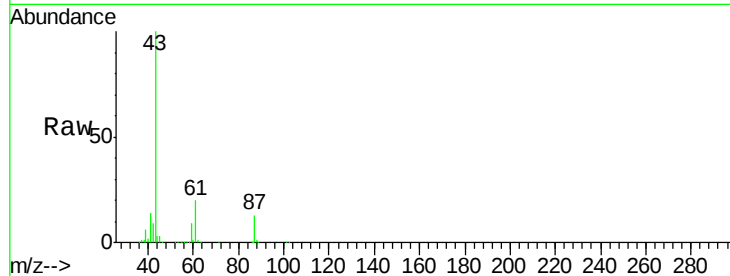


#43

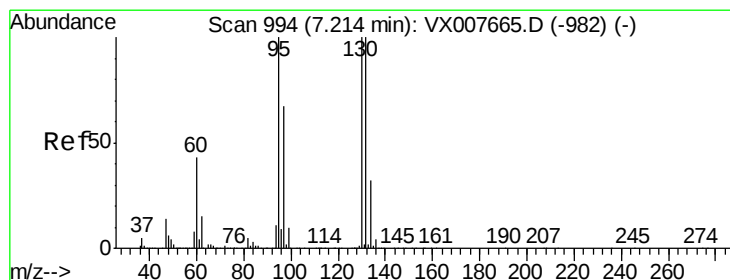
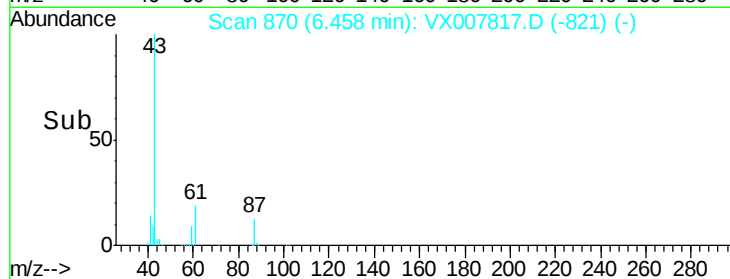
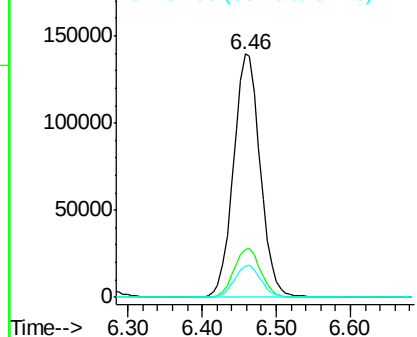
Isopropyl Acetate
 Concen: 50.382 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.2	11.5	17.3



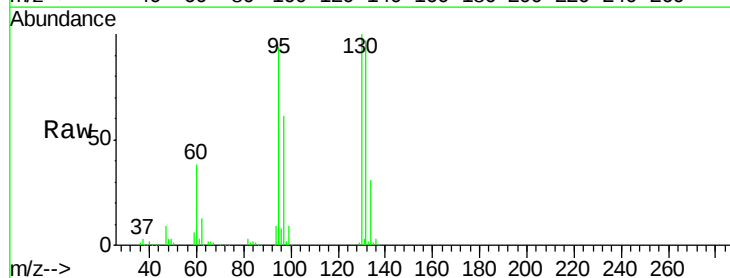
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



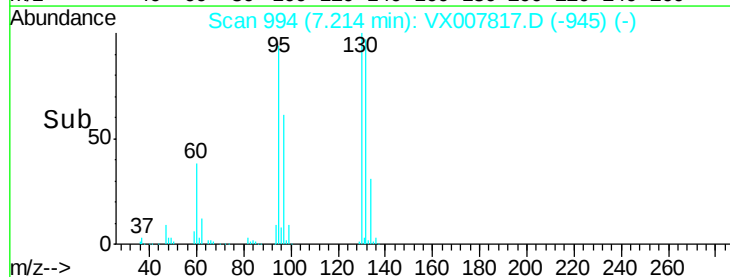
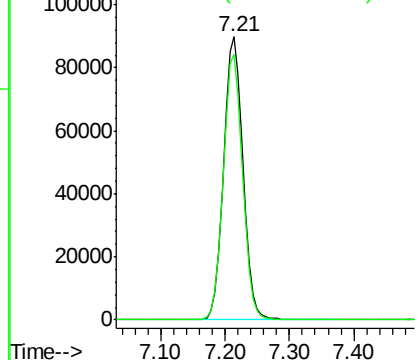
#44

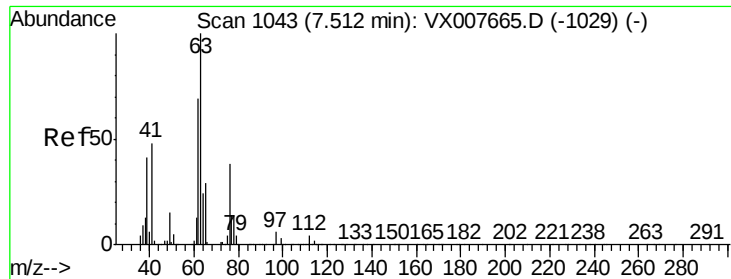
Trichloroethene
 Concen: 55.402 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	180.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.535 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

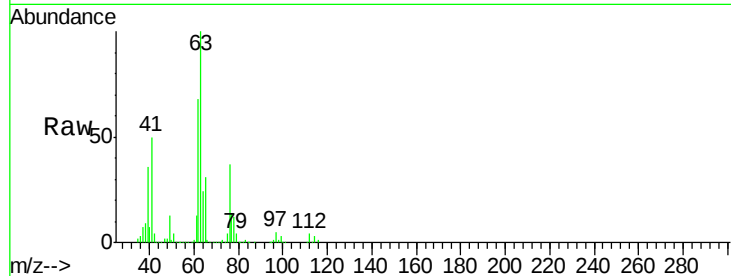
BP-VPB201-GW-485-487MS

Tot Ion: 63 Resp: 157481

Ion Ratio Lower Upper

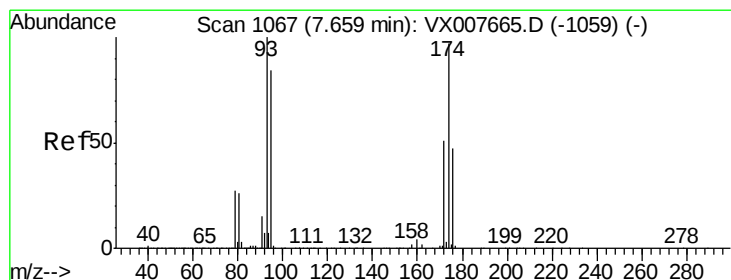
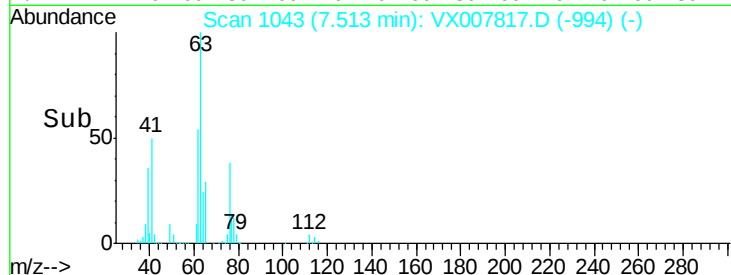
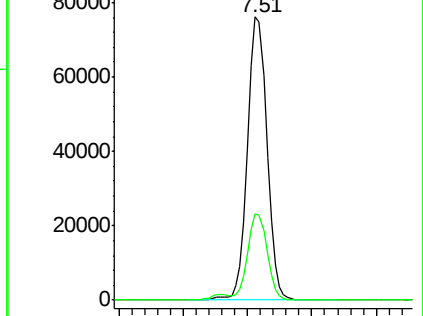
63 100

65 30.6 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 43.575 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

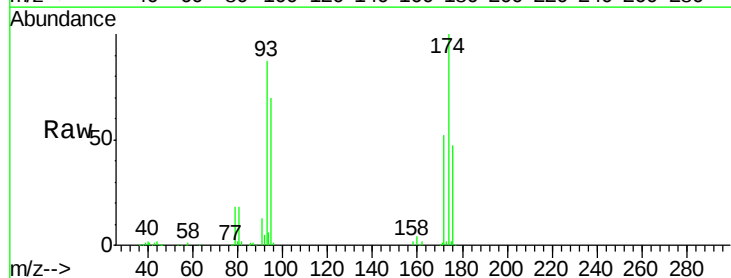
Tgt Ion: 93 Resp: 98636

Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

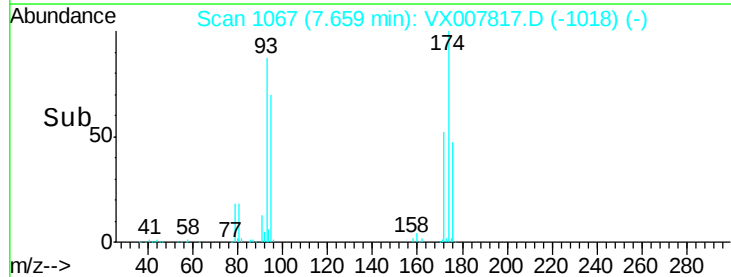
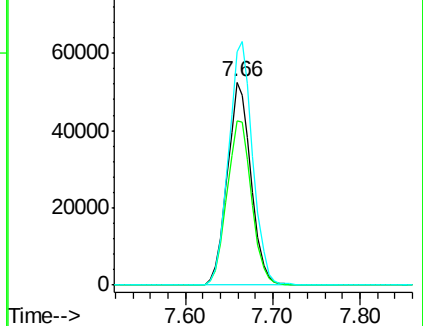
174 122.4 94.2 141.4

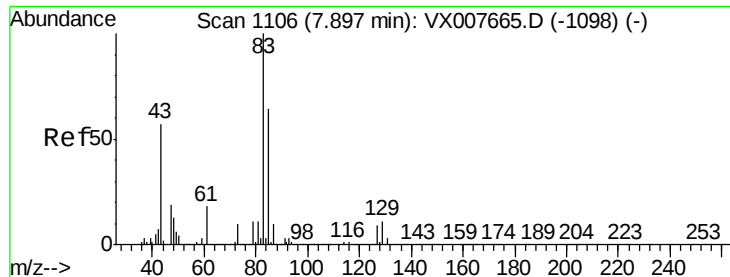


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.335 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

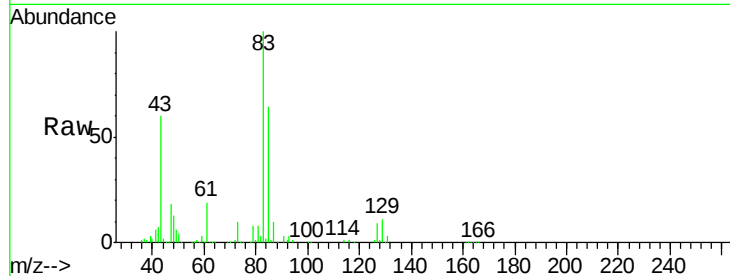
Tot Ion: 83 Resp: 189604

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.0

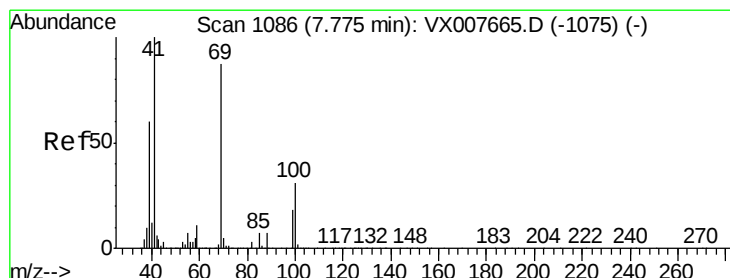
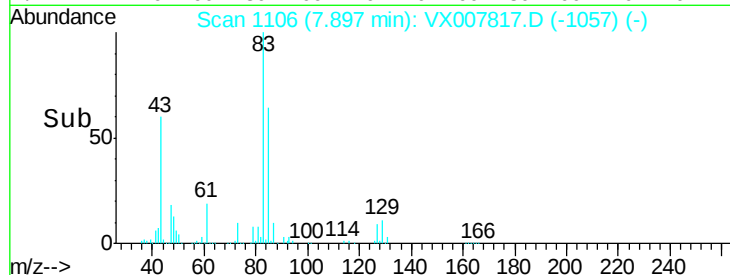
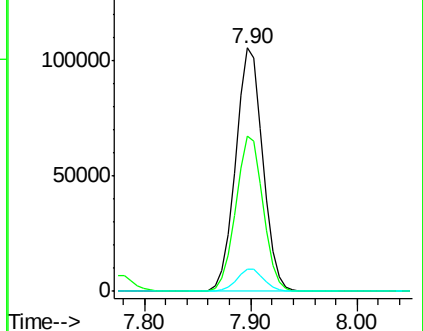
127 9.0 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.006 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

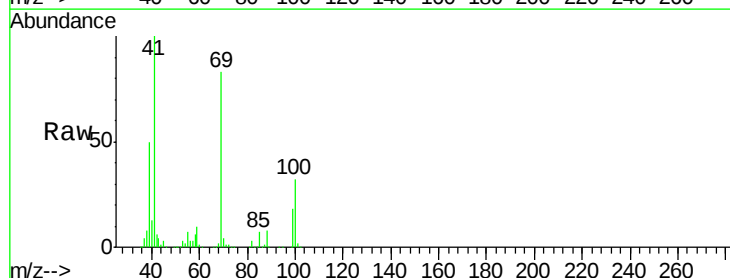
Tgt Ion: 41 Resp: 185473

Ion Ratio Lower Upper

41 100

69 82.9 70.2 105.4

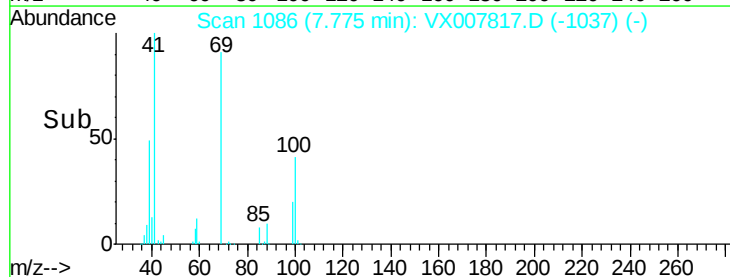
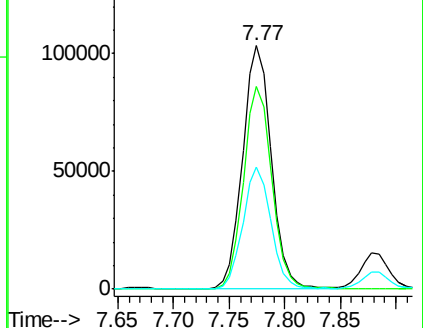
39 49.1 47.4 71.0

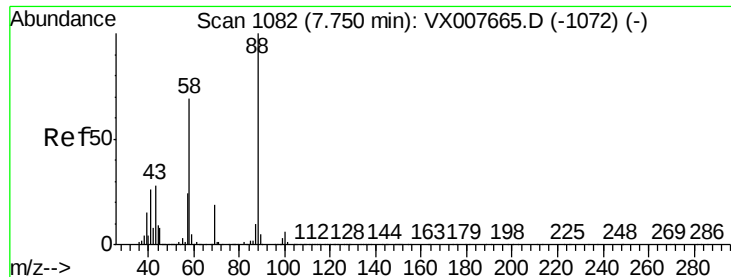


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 941.309 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

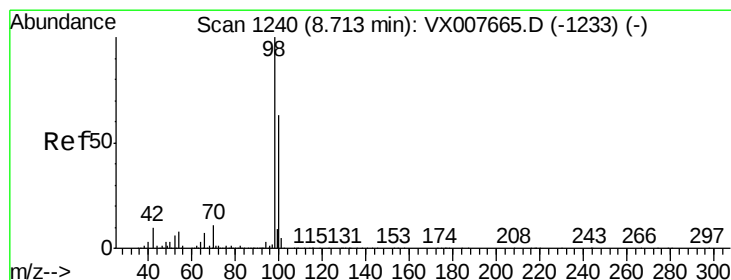
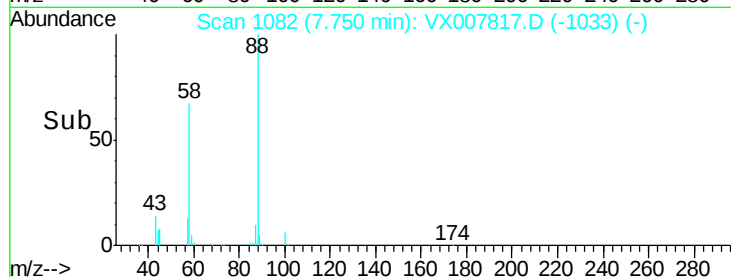
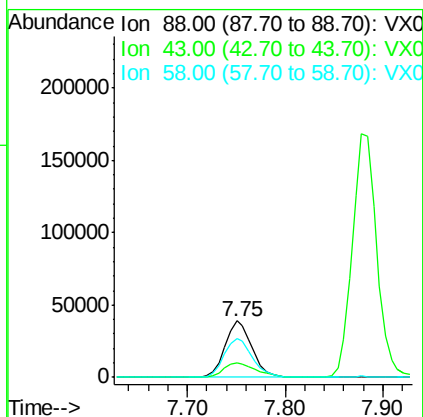
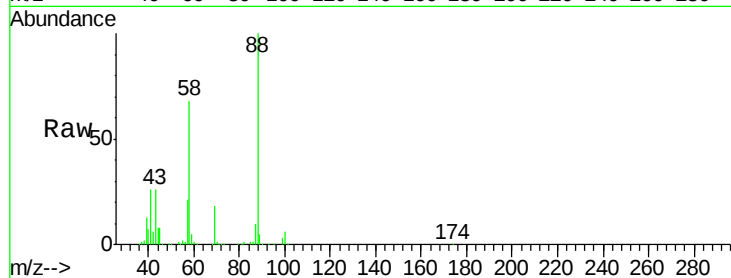
Tot Ion: 88 Resp: 73929

Ion Ratio Lower Upper

88 100

43 30.9 24.2 36.4

58 71.9 53.0 79.4



#50

Toluene-d8

Concen: 45.512 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007817.D

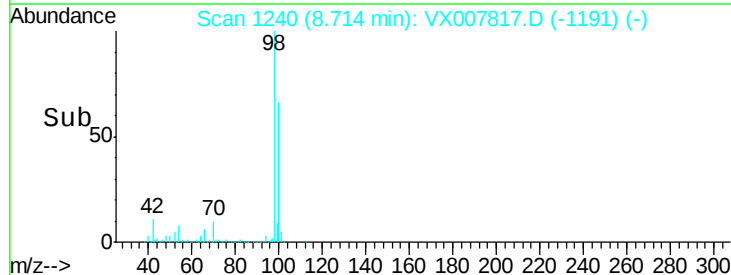
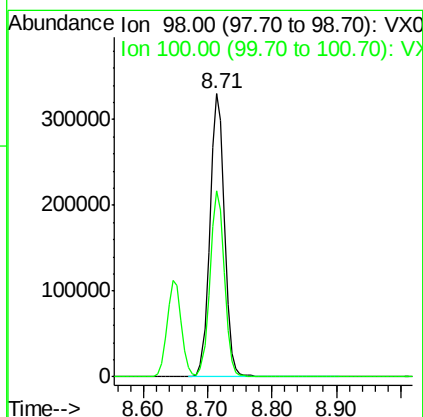
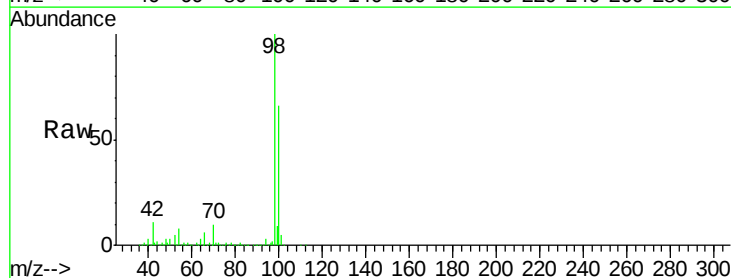
Acq: 04 Mar 2019 18:08

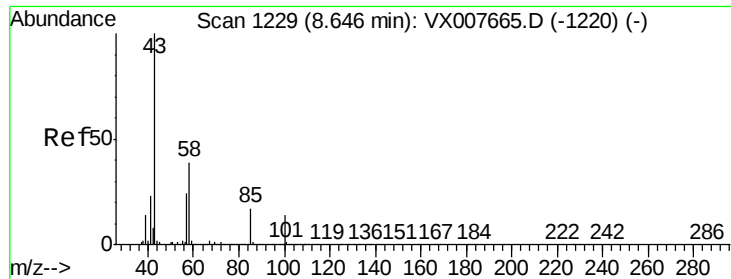
Tgt Ion: 98 Resp: 525680

Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4

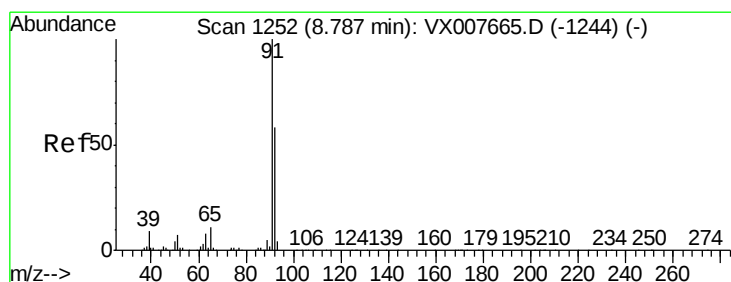
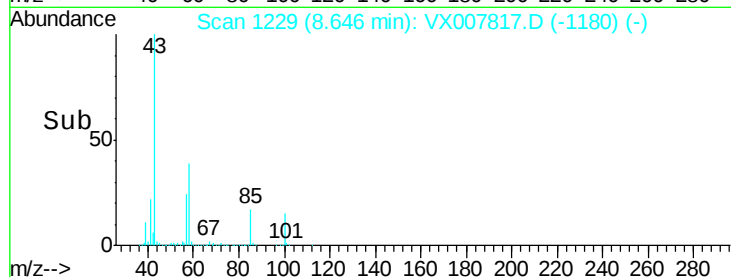
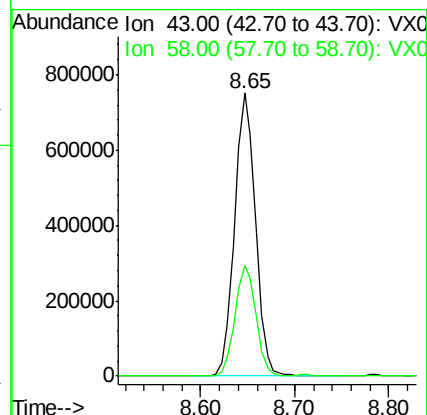
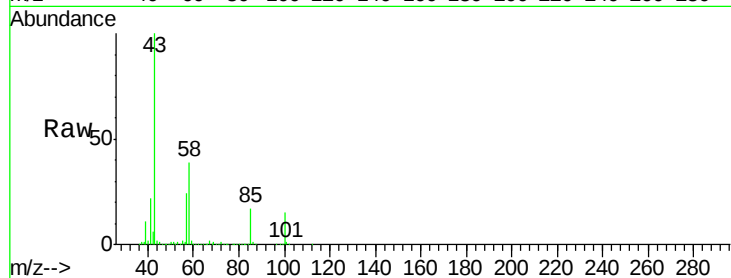




#51
 4-Methyl-2-Pentanone
 Concen: 249.129 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

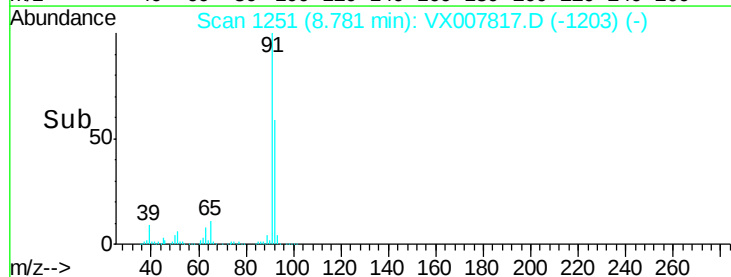
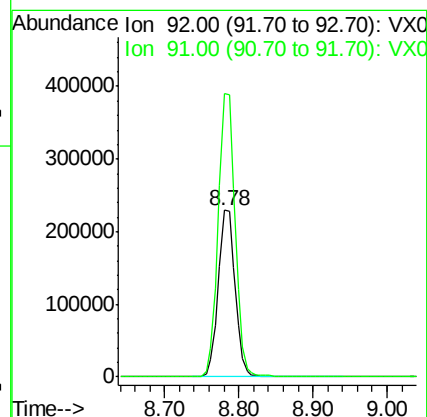
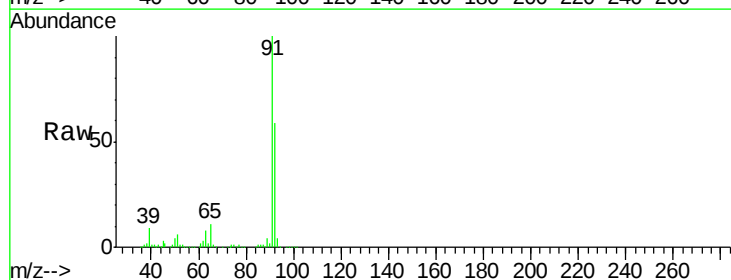
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

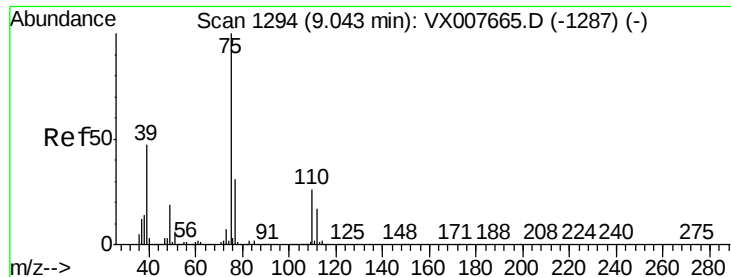
Tot Ion: 43 Resp: 1156843
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.2 46.8



#52
 Toluene
 Concen: 45.277 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion: 92 Resp: 357619
 Ion Ratio Lower Upper
 92 100
 91 170.7 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 43.131 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

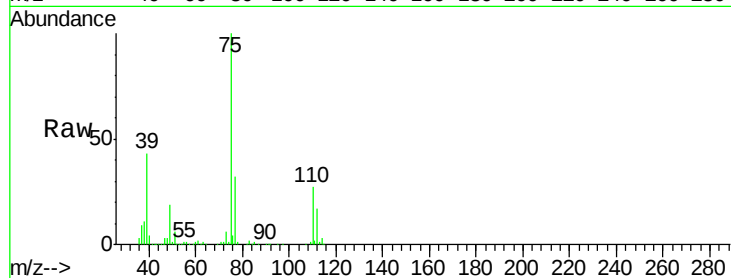
BP-VPB201-GW-485-487MS

Tot Ion: 75 Resp: 208353

Ion Ratio Lower Upper

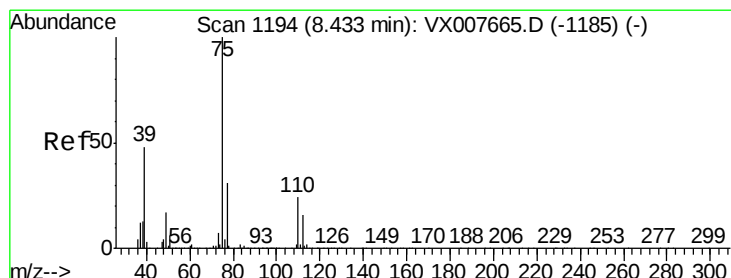
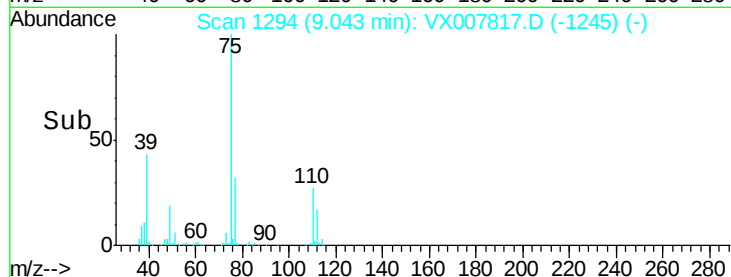
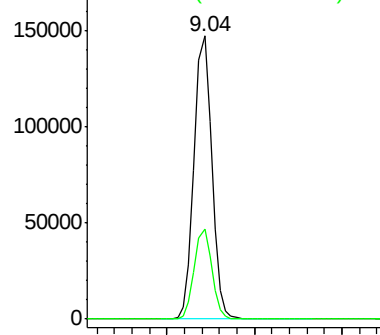
75 100

77 31.8 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 47.995 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

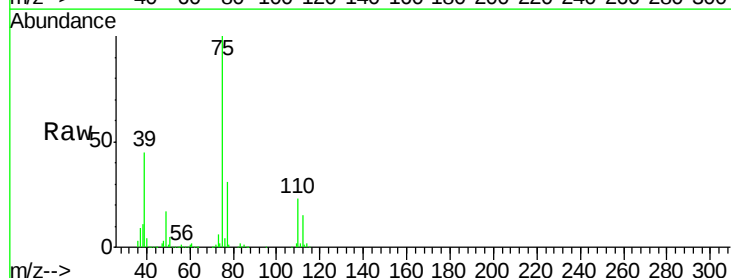
Tgt Ion: 75 Resp: 228475

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4

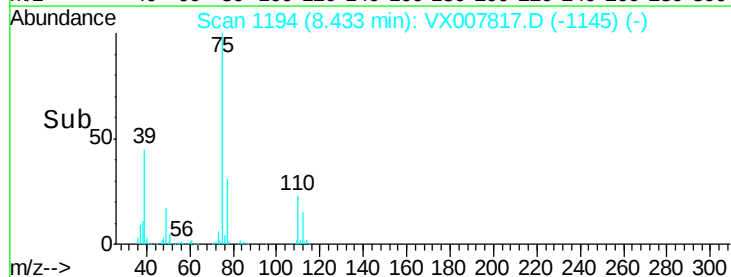
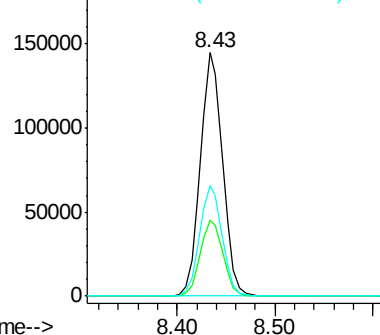
39 45.0 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 45.348 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

Tot Ion: 97 Resp: 149363

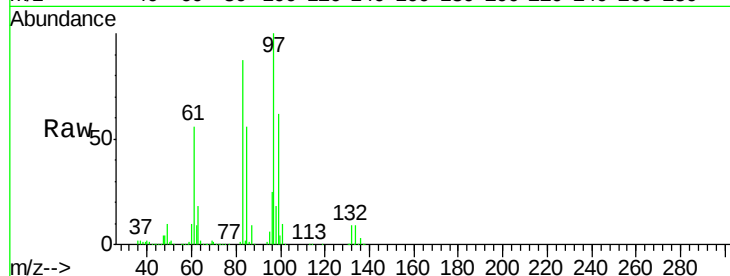
Ion Ratio Lower Upper

97 100

83 86.7 68.6 102.8

85 55.6 44.5 66.7

99 62.5 52.2 78.4

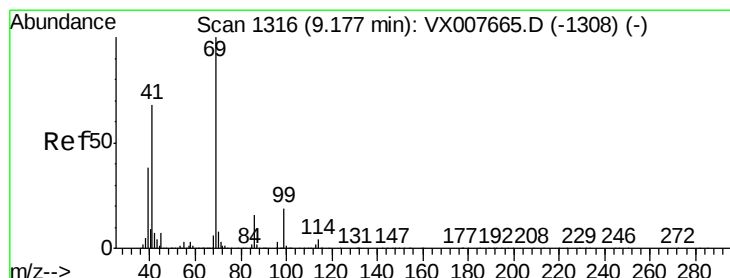
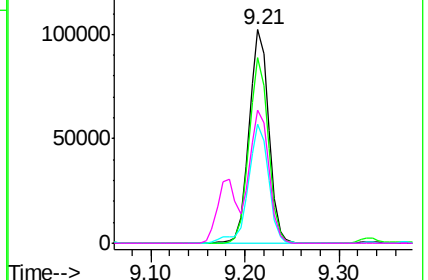
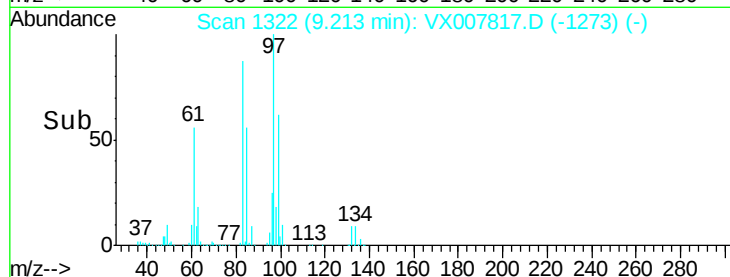


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 49.390 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

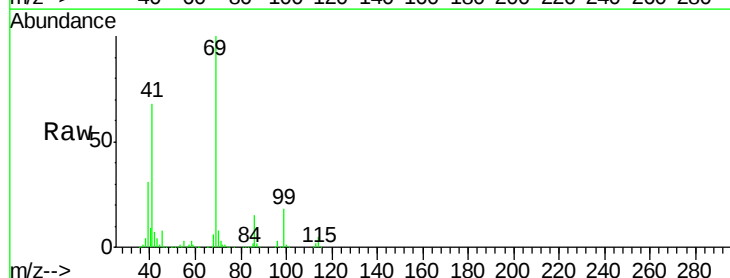
Tgt Ion: 69 Resp: 231337

Ion Ratio Lower Upper

69 100

41 66.7 52.1 78.1

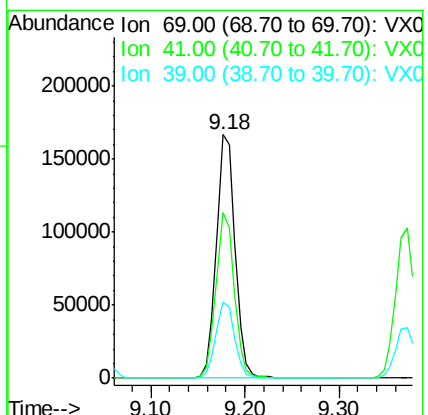
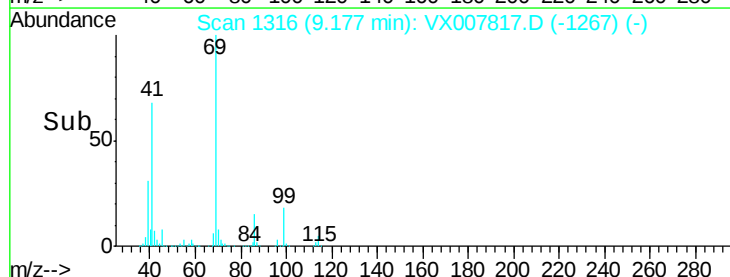
39 31.5 30.1 45.1

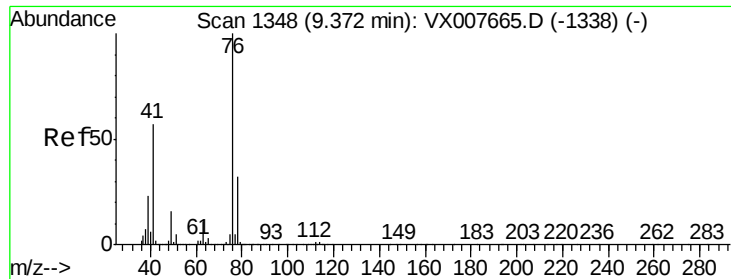


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 47.172 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

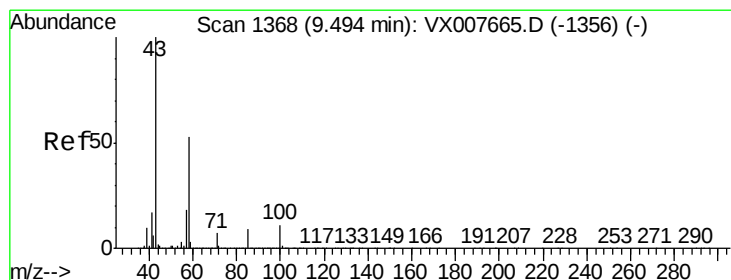
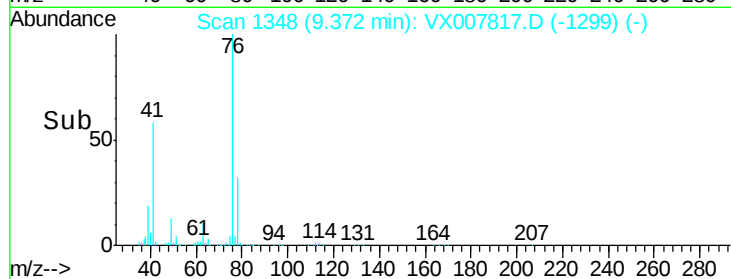
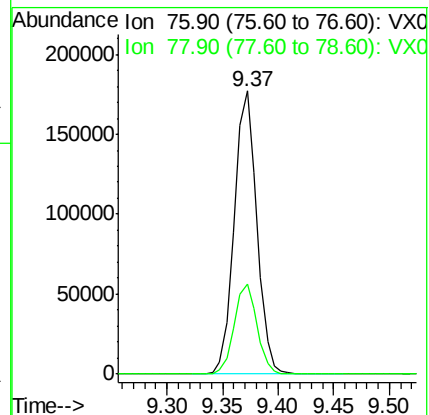
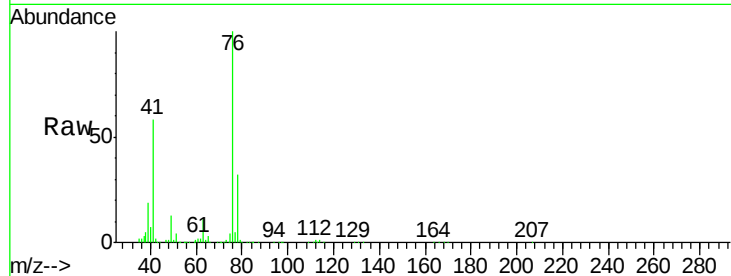
BP-VPB201-GW-485-487MS

Tot Ion: 76 Resp: 248714

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#59

2-Hexanone

Concen: 239.553 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX007817.D

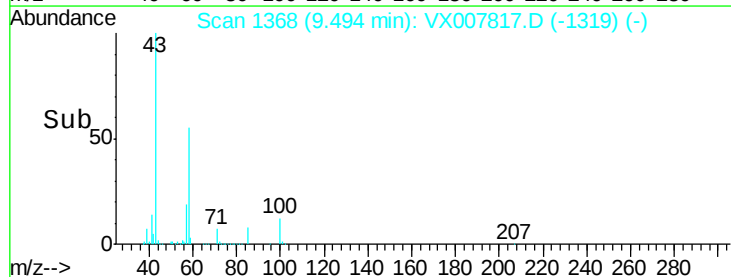
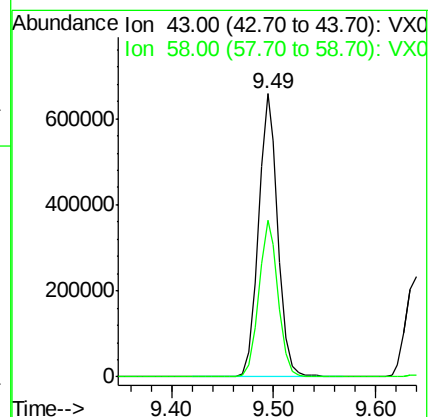
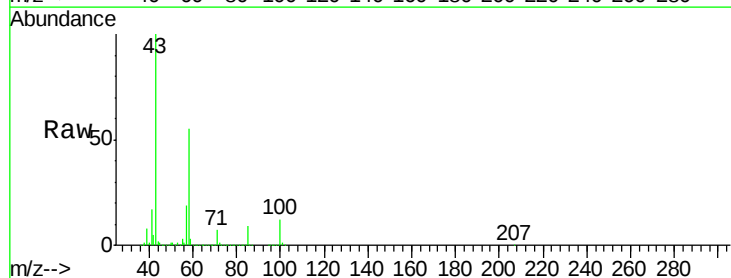
Acq: 04 Mar 2019 18:08

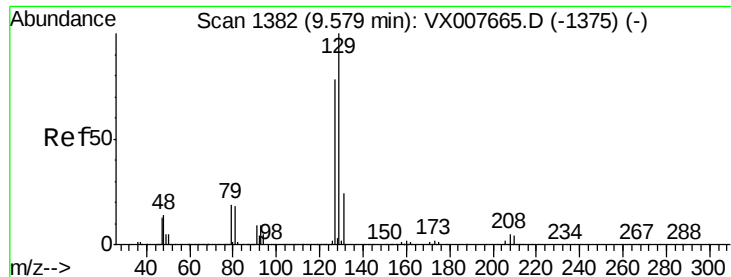
Tgt Ion: 43 Resp: 873318

Ion Ratio Lower Upper

43 100

58 55.3 27.1 81.3





#60

Dibromochloromethane

Concen: 50.098 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

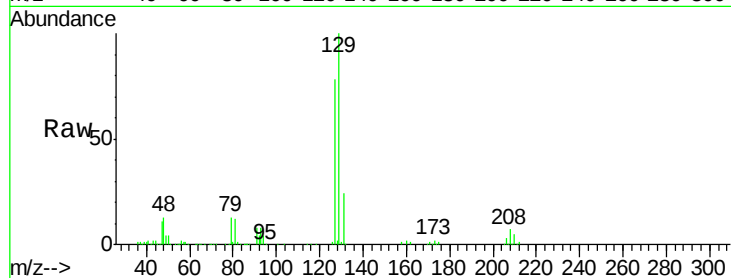
BP-VPB201-GW-485-487MS

Tot Ion:129 Resp: 158777

Ion Ratio Lower Upper

129 100

127 76.9 37.8 113.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

120000

100000

80000

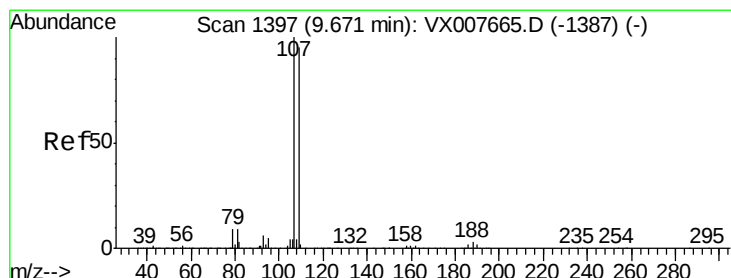
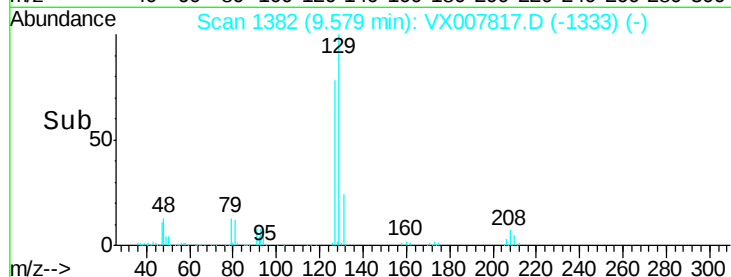
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#61

1,2-Dibromoethane

Concen: 46.273 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007817.D

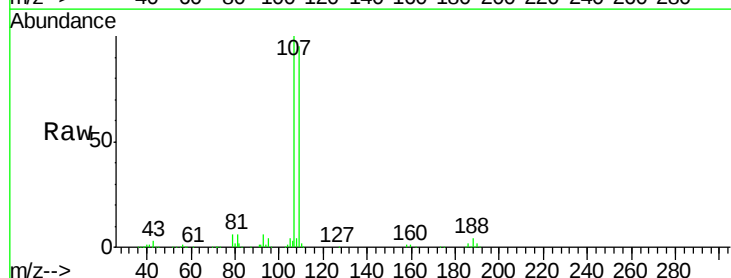
Acq: 04 Mar 2019 18:08

Tgt Ion:107 Resp: 158242

Ion Ratio Lower Upper

107 100

109 94.1 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

120000

100000

80000

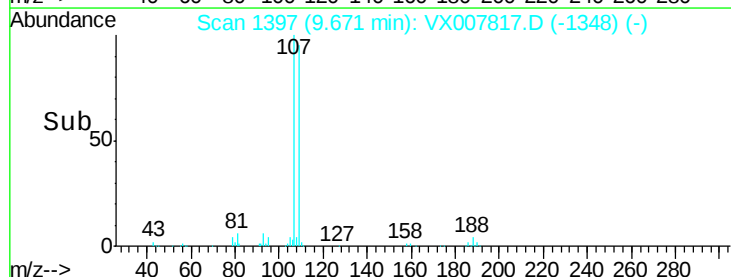
60000

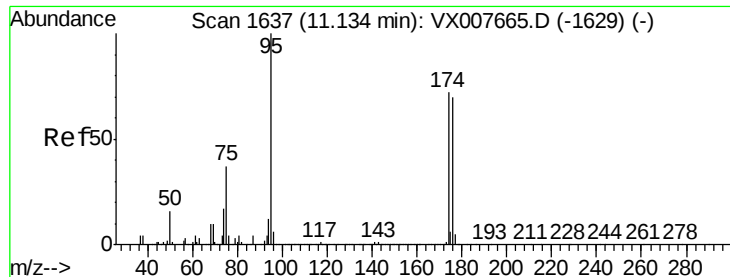
40000

20000

0

Time--> 9.60 9.65 9.70 9.75





#62

4-Bromofluorobenzene

Concen: 44.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

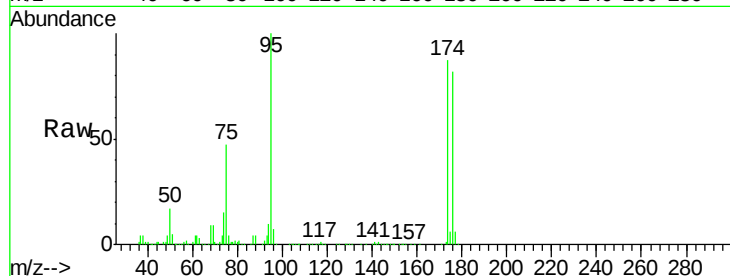
Tot Ion: 95 Resp: 188387

Ion Ratio Lower Upper

95 100

174 92.3 0.0 189.2

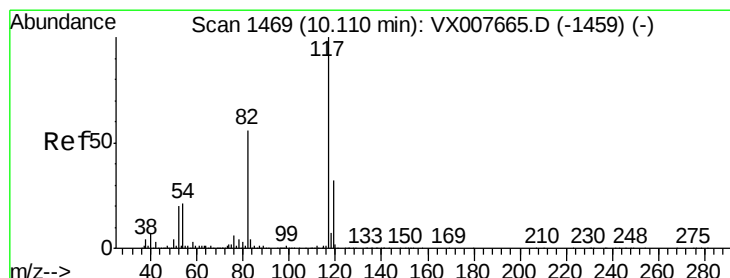
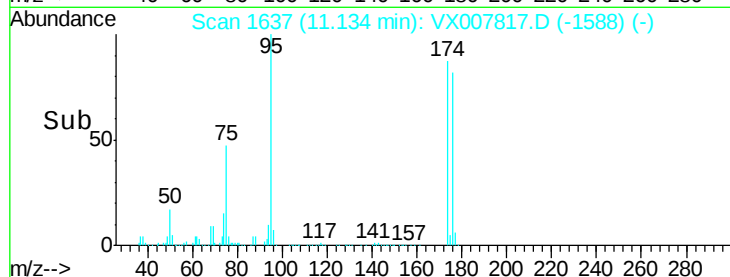
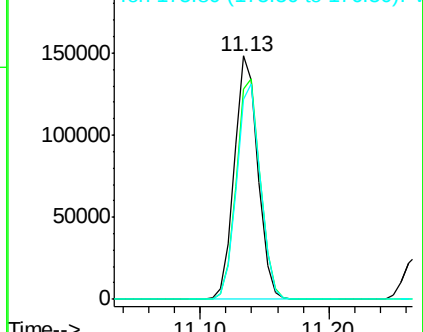
176 89.5 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007817.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007817.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007817.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

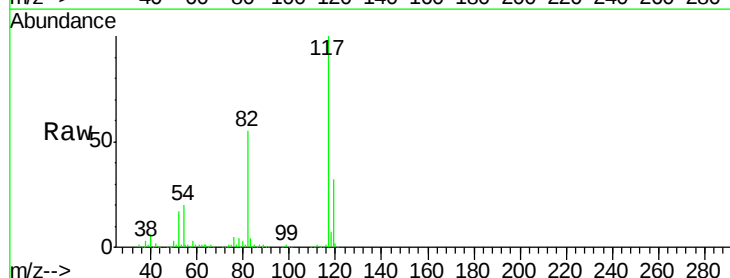
Tgt Ion: 117 Resp: 396250

Ion Ratio Lower Upper

117 100

82 54.9 42.1 63.1

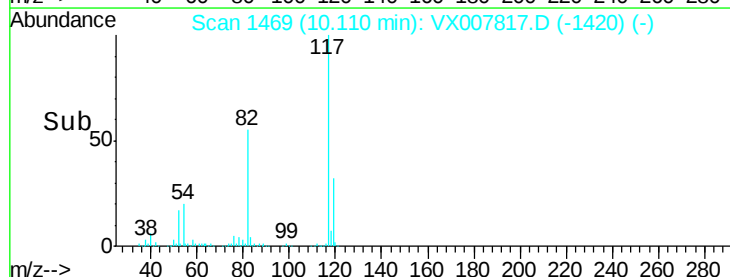
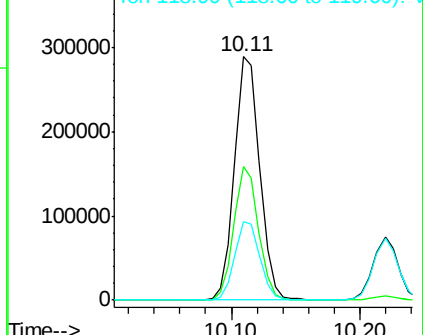
119 32.0 26.5 39.7

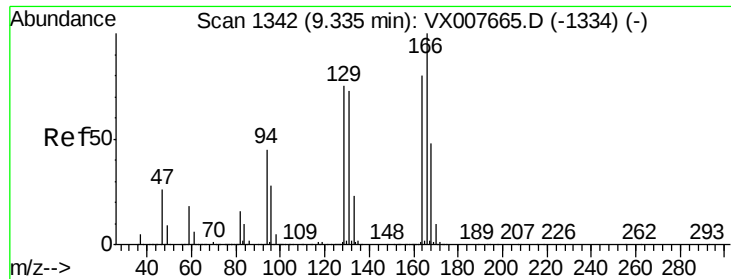


Abundance Ion 116.90 (116.60 to 117.60): VX007817.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007817.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007817.D (-1420) (-)

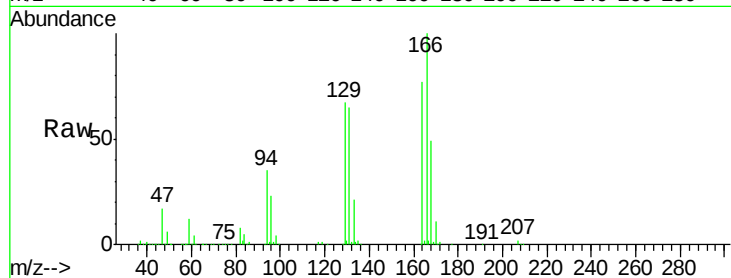




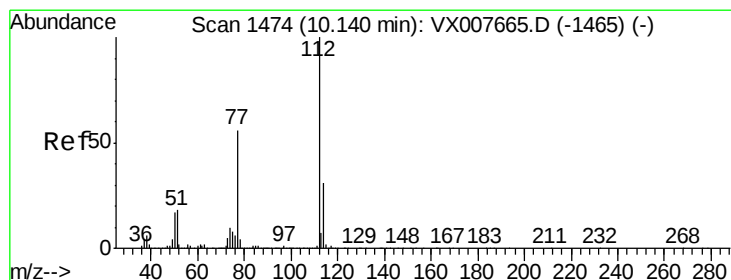
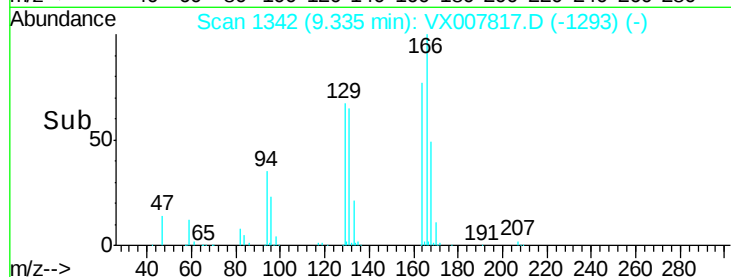
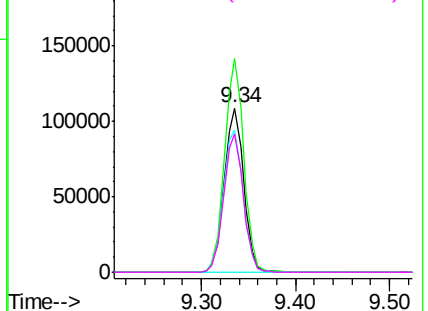
#64
Tetrachloroethene
Concen: 48.520 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.4
129	86.7	70.5	105.7
131	84.3	69.8	104.6

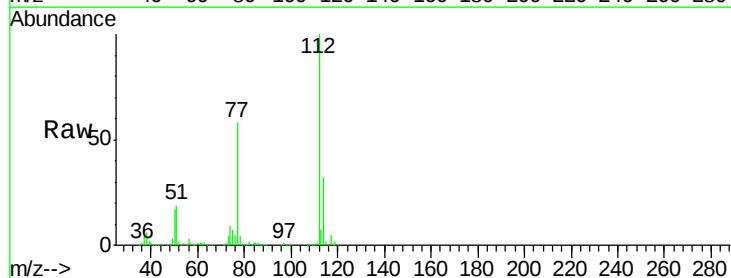


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

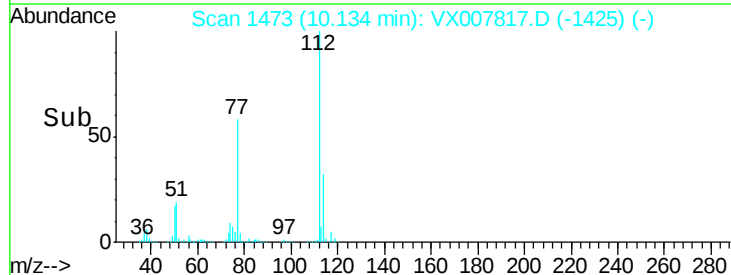
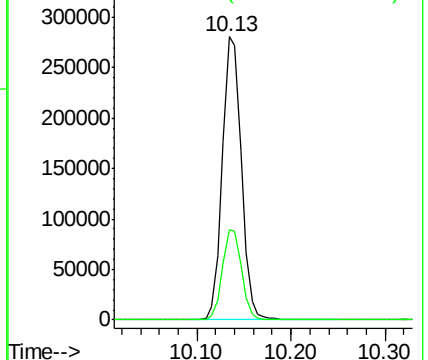


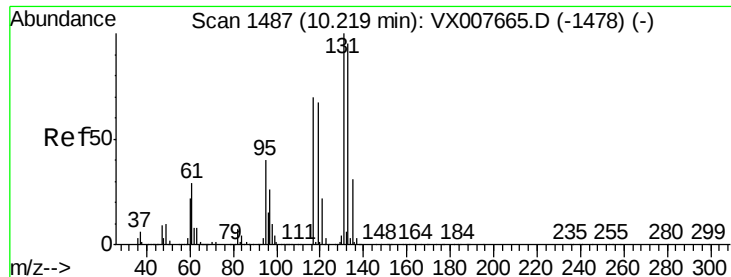
#65
Chlorobenzene
Concen: 45.939 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

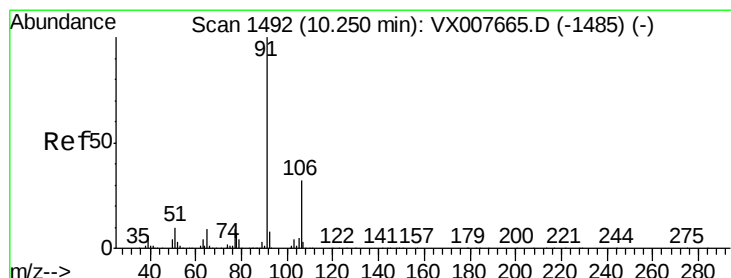
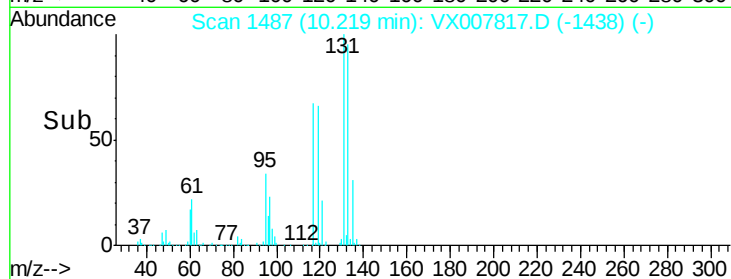
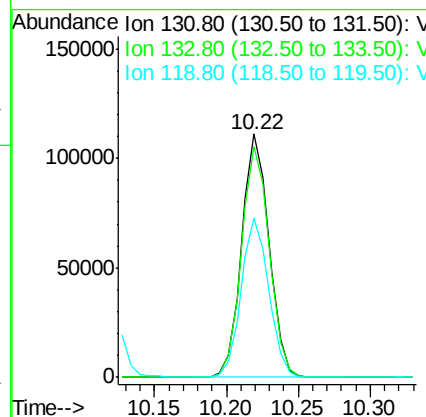
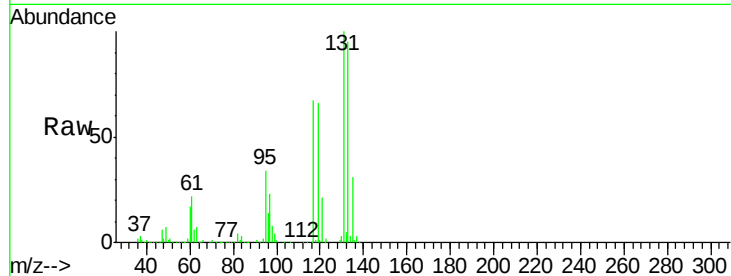




#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.114 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

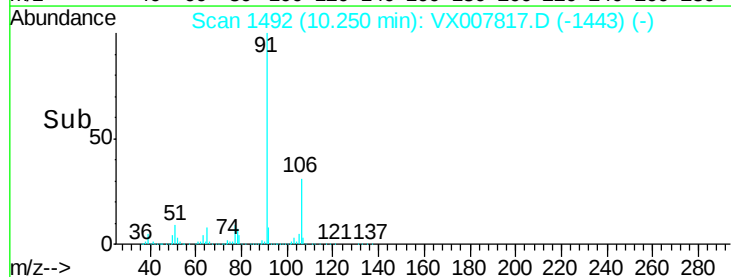
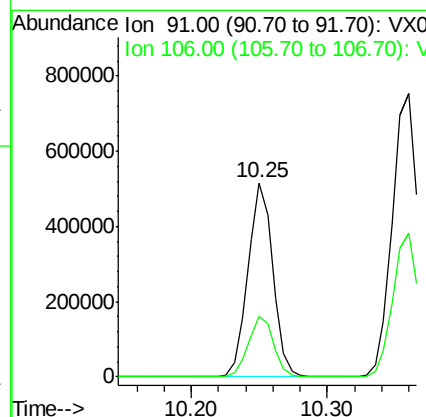
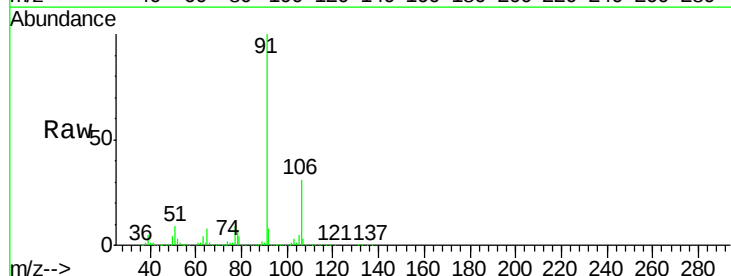
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

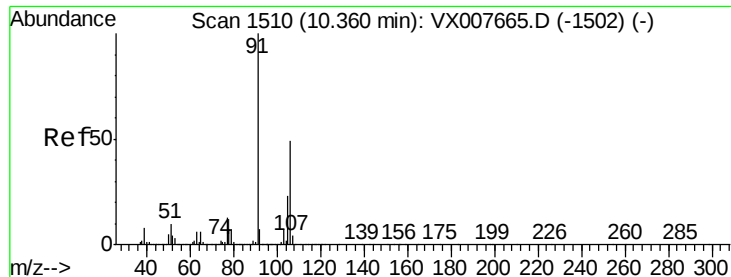
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.0	144.2
119	65.9	32.0	96.0



#67
 Ethyl Benzene
 Concen: 46.654 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.4	38.0

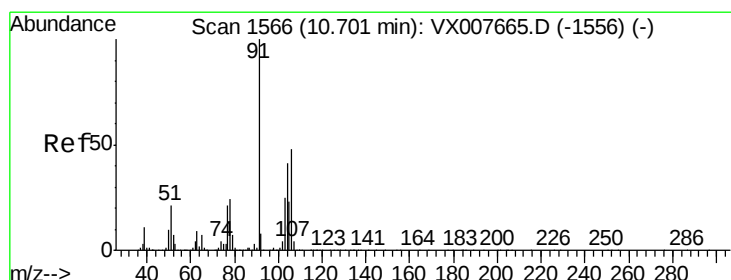
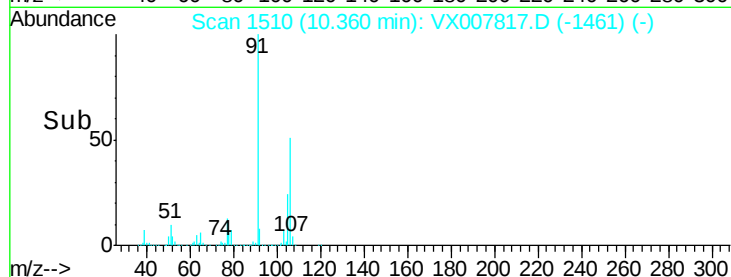
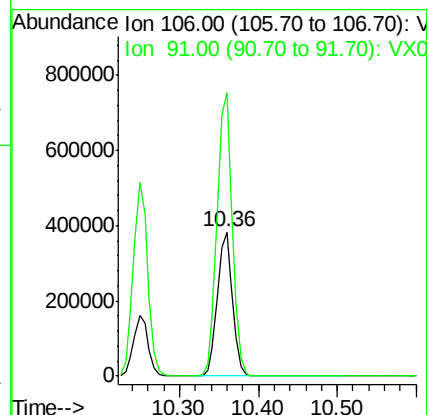
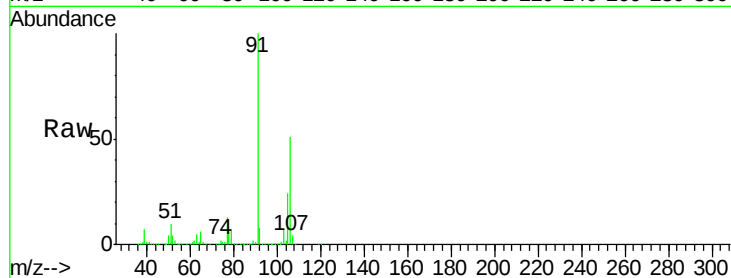




#68
m/p-Xylenes
Concen: 92.212 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

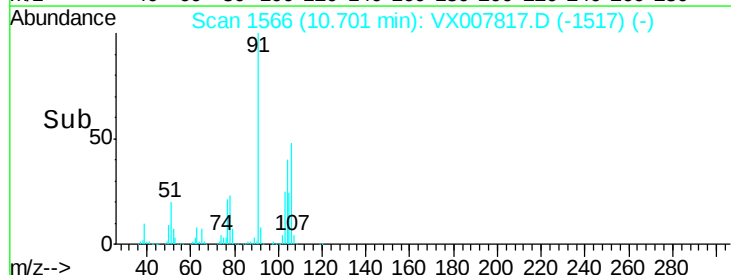
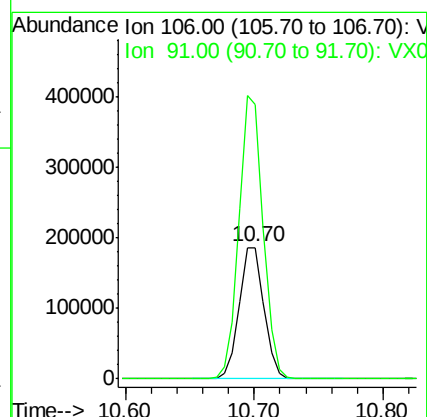
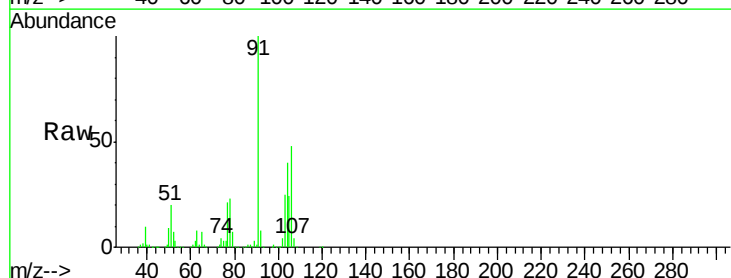
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

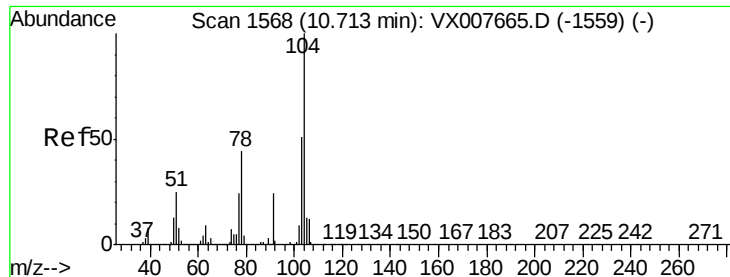
Tot Ion:106 Resp: 509290
Ion Ratio Lower Upper
106 100
91 199.5 156.6 234.8



#69
o-Xylene
Concen: 47.011 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion:106 Resp: 249743
Ion Ratio Lower Upper
106 100
91 210.8 102.9 308.7





#70

Stvrene

Concen: 46.053 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

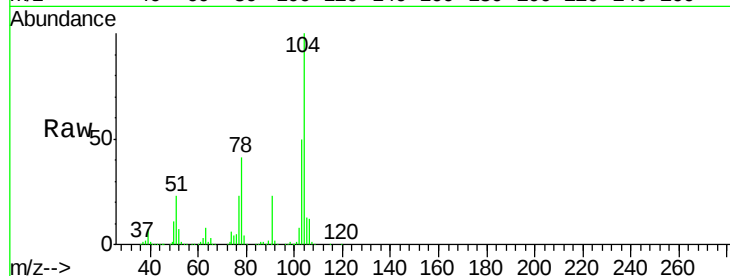
Tot Ion:104 Resp: 402137

Ion Ratio Lower Upper

104 100

78 48.3 38.3 57.5

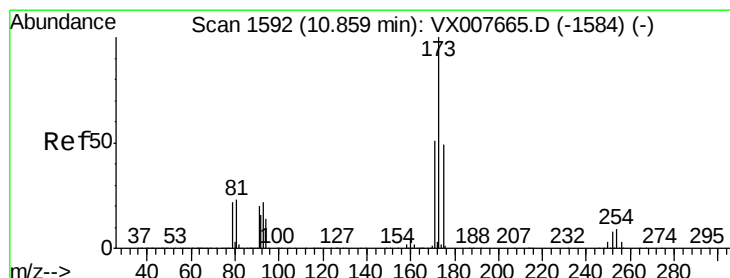
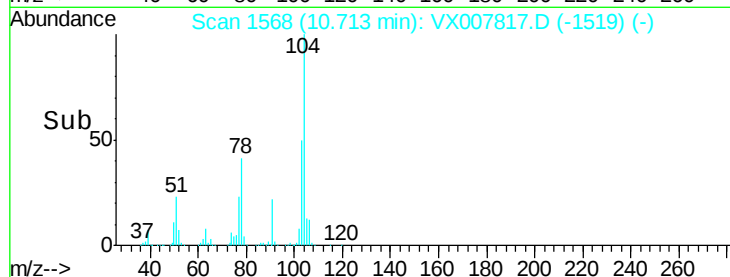
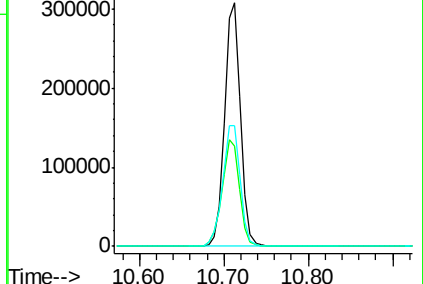
103 55.2 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 56.077 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

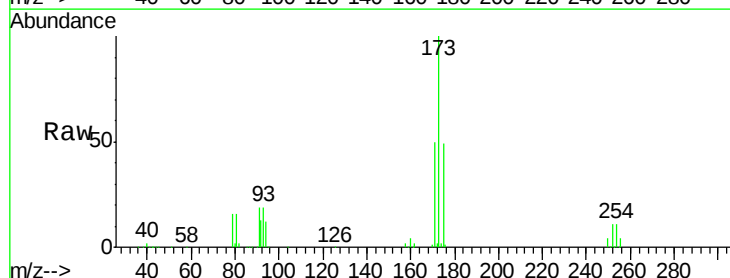
Tgt Ion:173 Resp: 125708

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

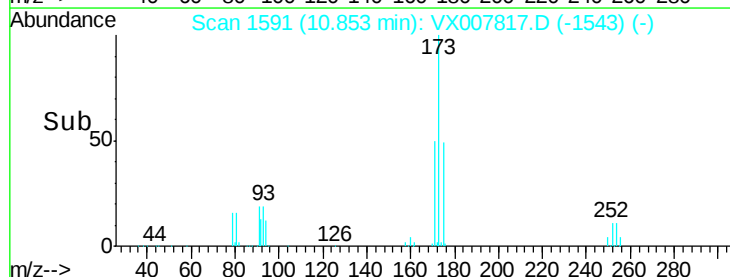
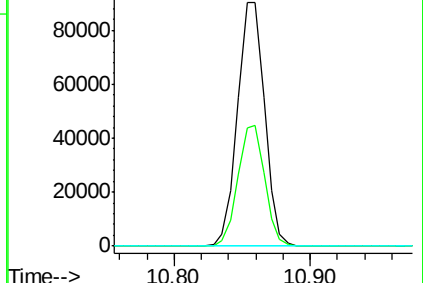
254 0.1 0.2 0.2#

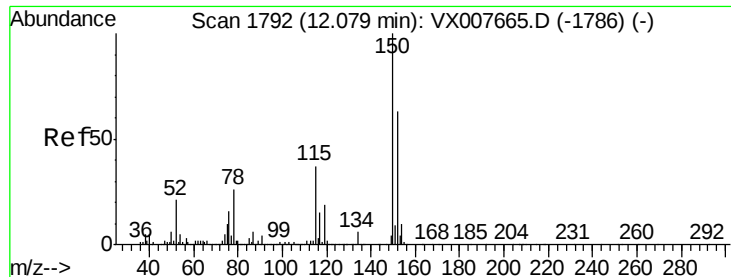


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

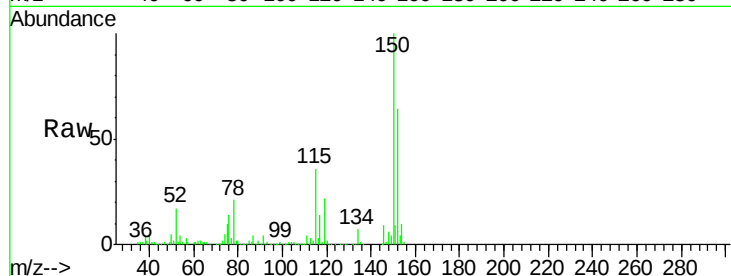
Tot Ion:152 Resp: 200690

Ion Ratio Lower Upper

152 100

115 75.4 38.0 114.0

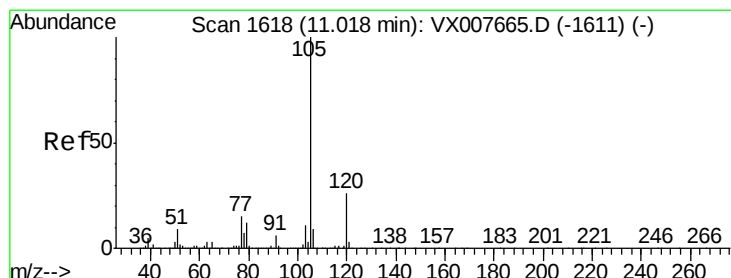
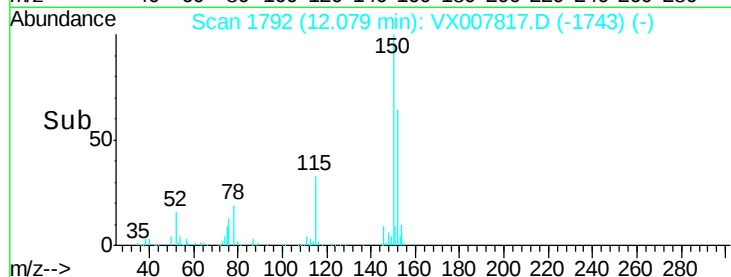
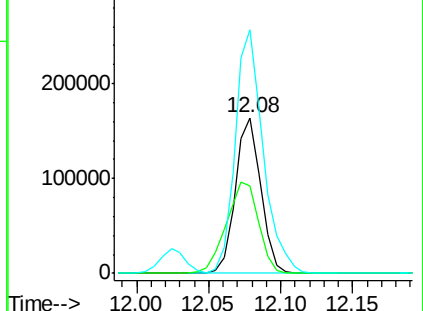
150 172.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.421 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007817.D

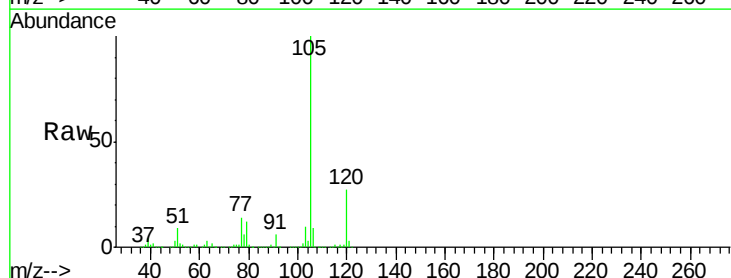
Acq: 04 Mar 2019 18:08

Tgt Ion:105 Resp: 665841

Ion Ratio Lower Upper

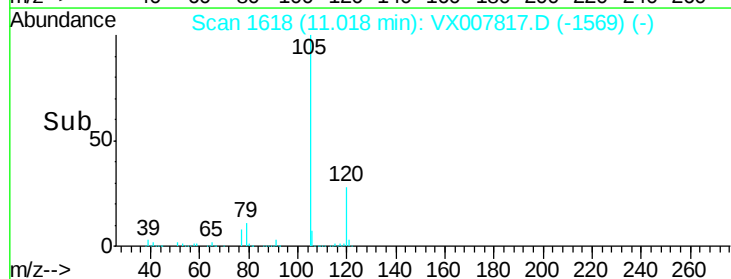
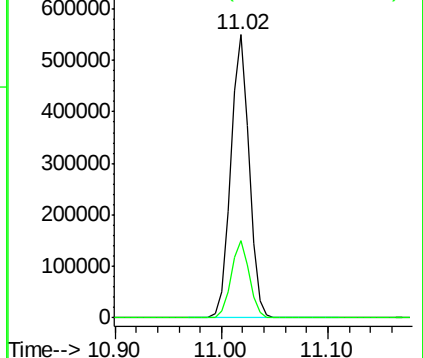
105 100

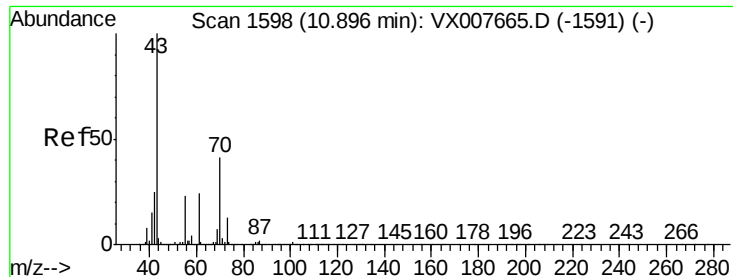
120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.018 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

Tot Ion: 43 Resp: 299094

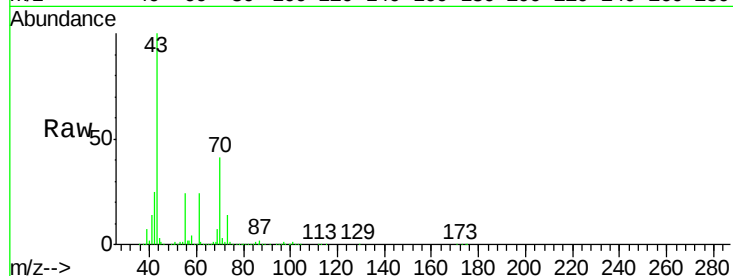
Ion Ratio Lower Upper

43 100

70 42.3 33.8 50.6

55 24.9 19.5 29.3

61 24.2 19.4 29.2

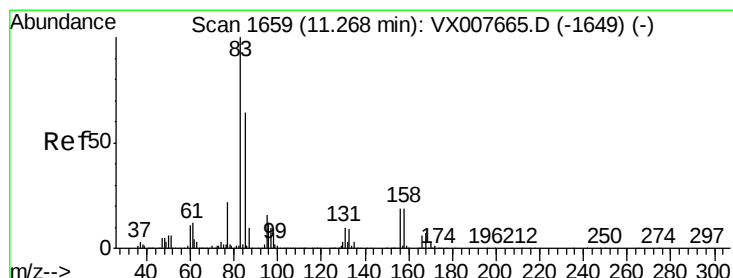
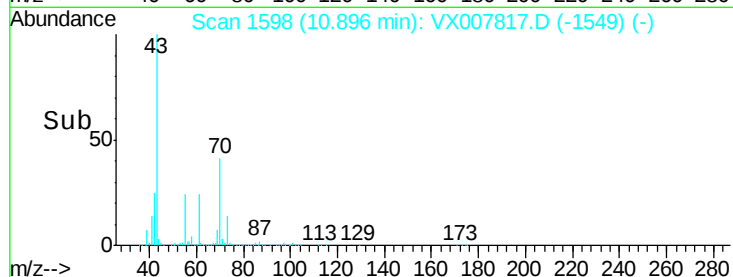
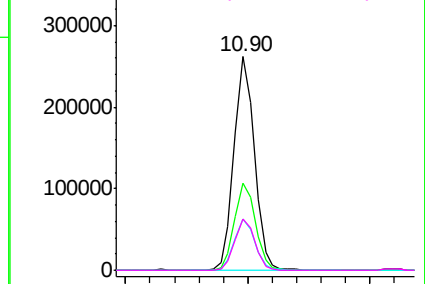


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 44.992 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

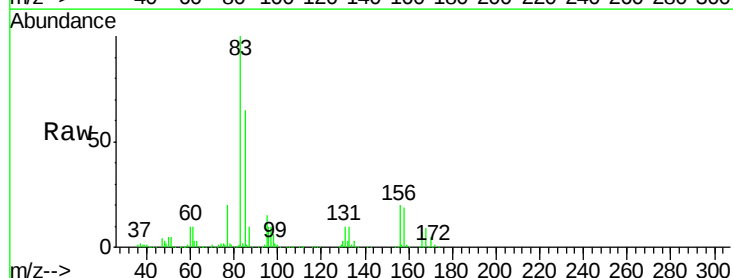
Tgt Ion: 83 Resp: 223203

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.0

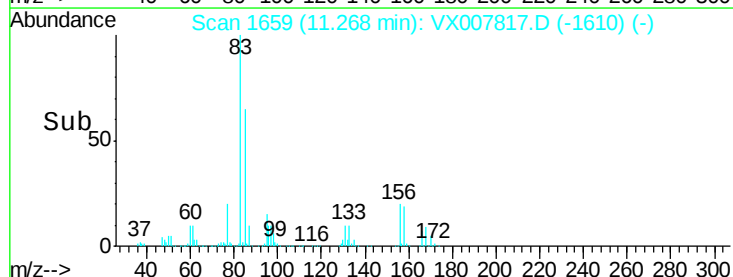
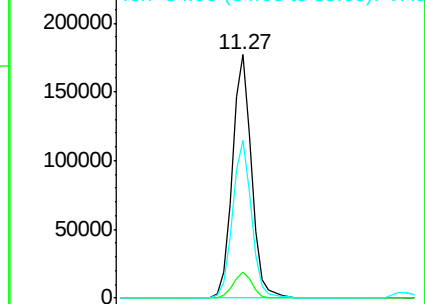
85 64.4 32.8 98.3

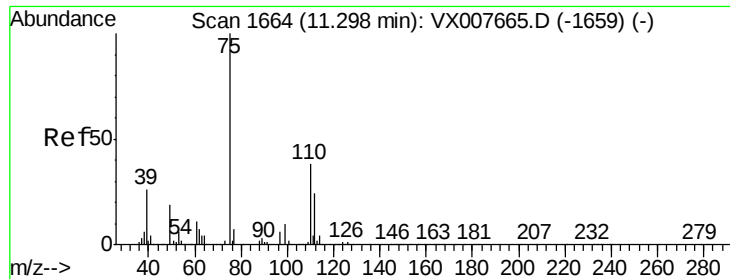


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

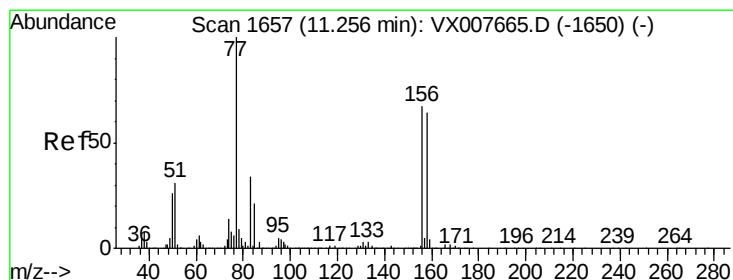
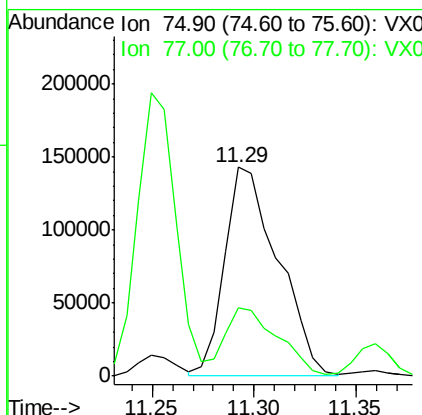
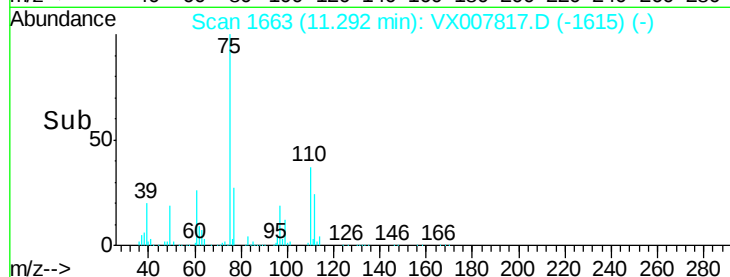
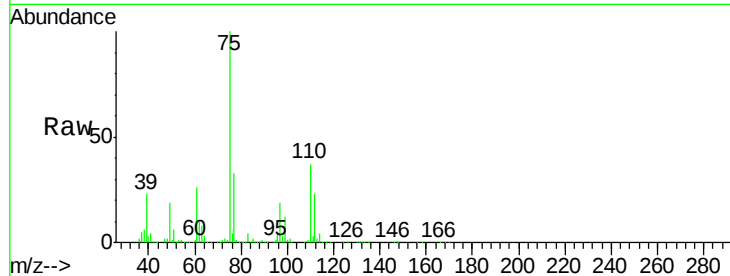




#76
1,2,3-Trichloropropane
Concen: 60.700 ug/l
RT: 11.29 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

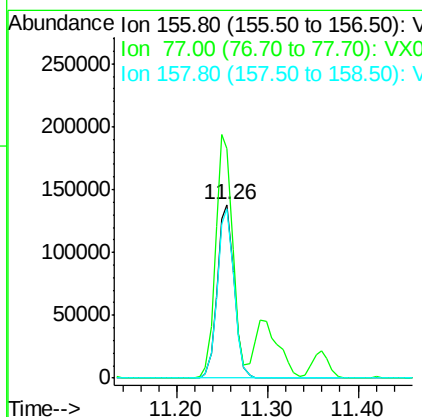
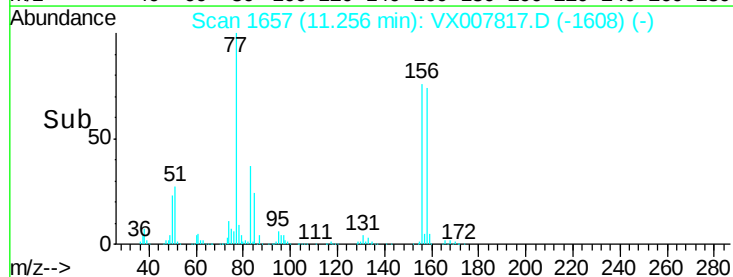
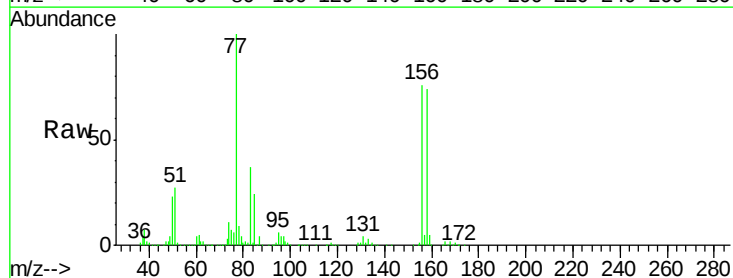
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-485-487MS

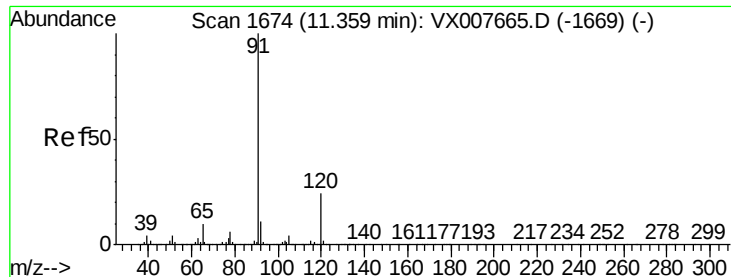
Tot Ion: 75 Resp: 259662
Ion Ratio Lower Upper
75 100
77 32.7 23.0 69.0



#77
Bromobenzene
Concen: 49.564 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007817.D
Acq: 04 Mar 2019 18:08

Tgt Ion: 156 Resp: 178317
Ion Ratio Lower Upper
156 100
77 142.6 66.8 200.6
158 97.2 47.9 143.8





#78

n-propylbenzene

Concen: 45.186 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

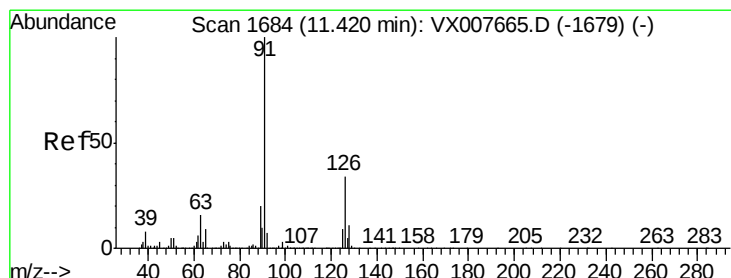
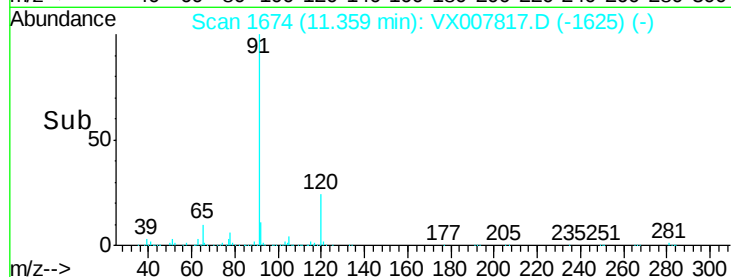
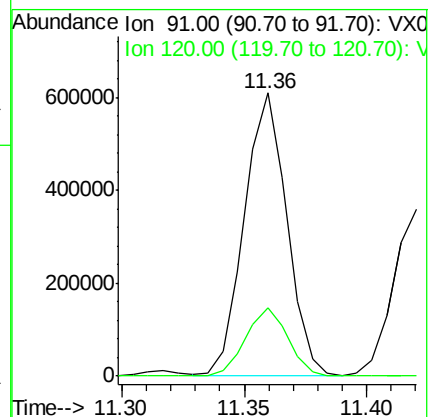
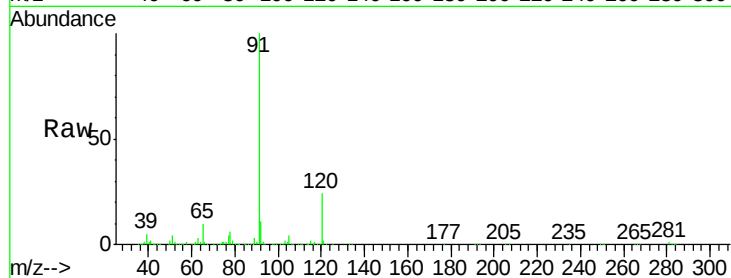
BP-VPB201-GW-485-487MS

Tot Ion: 91 Resp: 732391

Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.2



#79

2-Chlorotoluene

Concen: 45.153 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007817.D

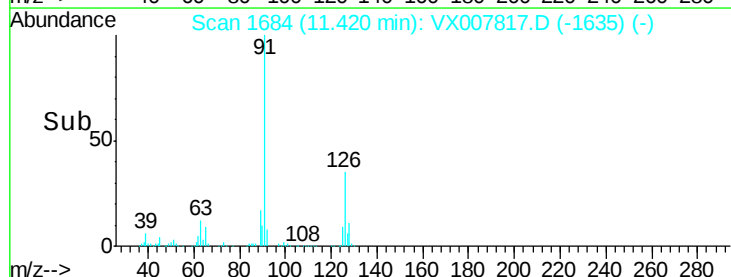
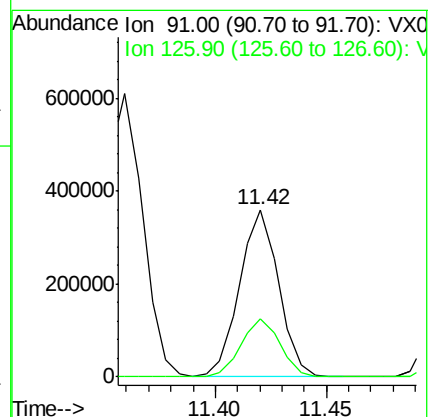
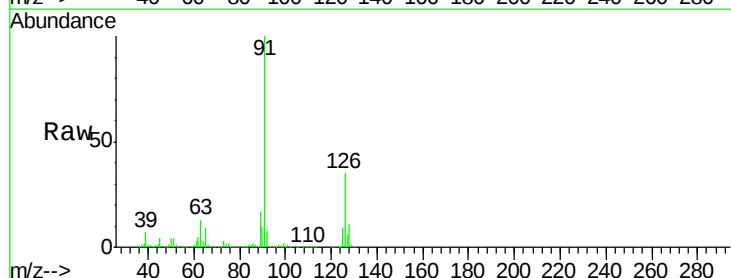
Acq: 04 Mar 2019 18:08

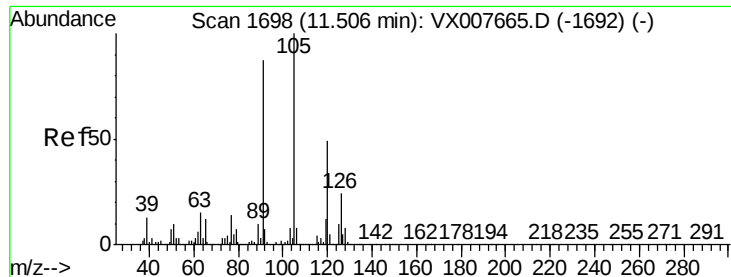
Tgt Ion: 91 Resp: 440666

Ion Ratio Lower Upper

91 100

126 35.1 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 46.088 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

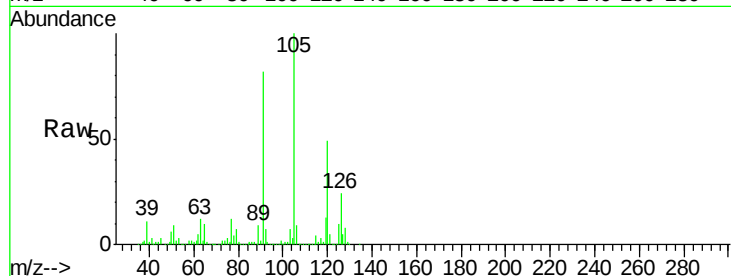
BP-VPB201-GW-485-487MS

Tot Ion:105 Resp: 543766

Ion Ratio Lower Upper

105 100

120 49.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

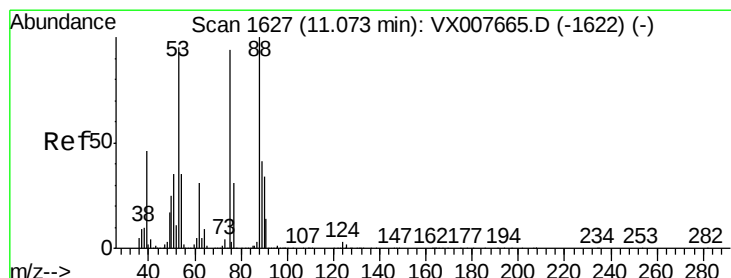
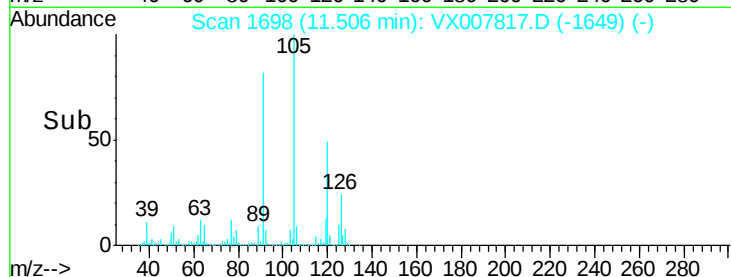
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#81

trans-1,4-Dichloro-2-butene

Concen: 42.683 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

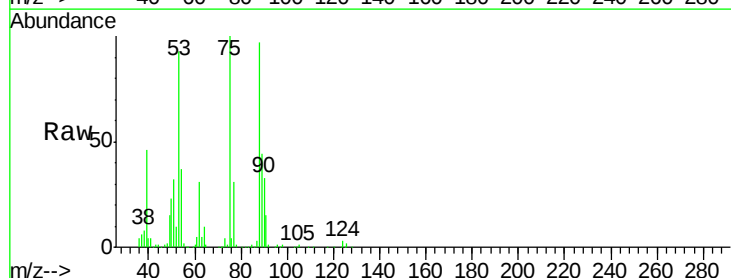
Tgt Ion: 75 Resp: 67390

Ion Ratio Lower Upper

75 100

53 92.8 81.0 121.6

89 44.1 41.4 62.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

80000

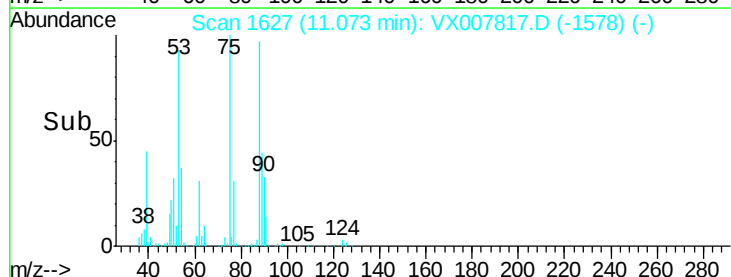
60000

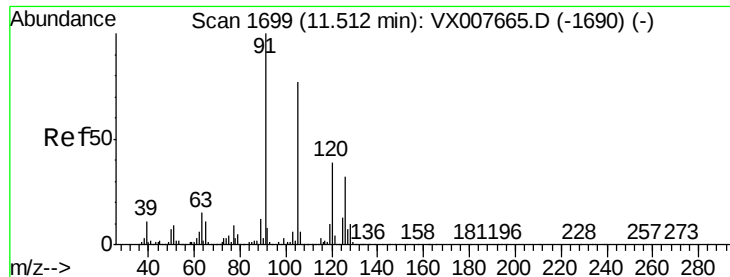
40000

20000

0

Time--> 11.05 11.10





#82

4-Chlorotoluene

Concen: 44.256 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

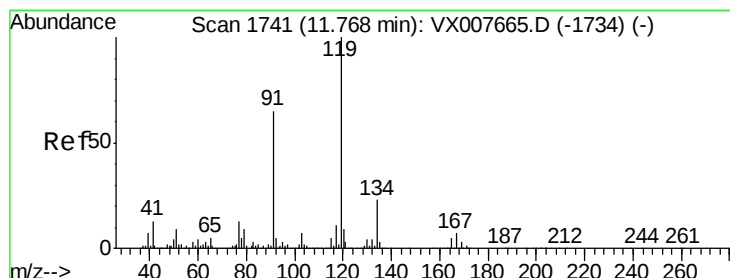
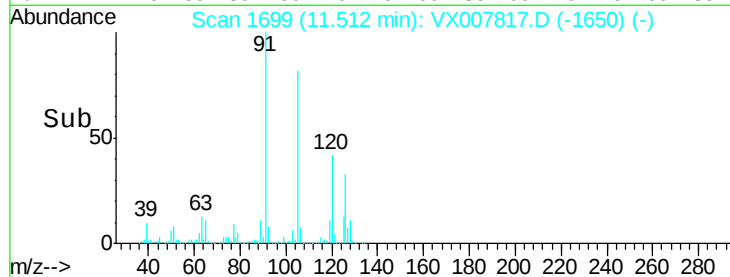
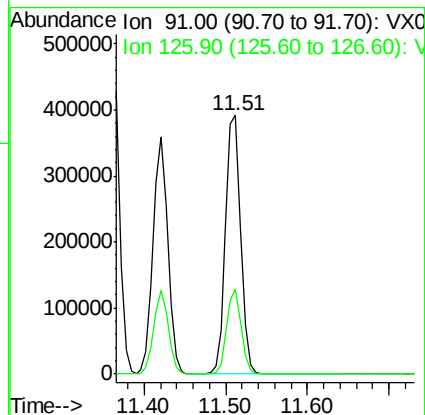
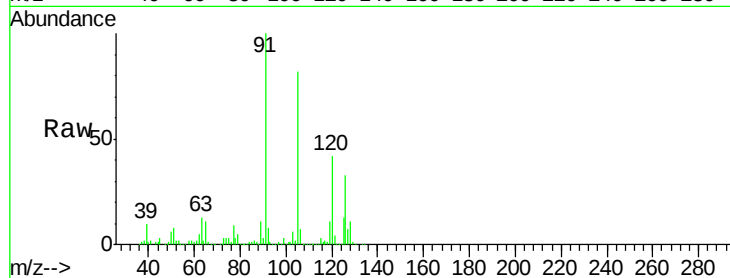
BP-VPB201-GW-485-487MS

Tot Ion: 91 Resp: 505263

Ion Ratio Lower Upper

91 100

126 31.3 16.2 48.5



#83

tert-Butylbenzene

Concen: 48.280 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

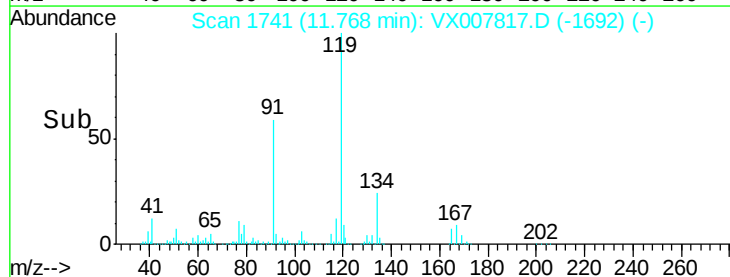
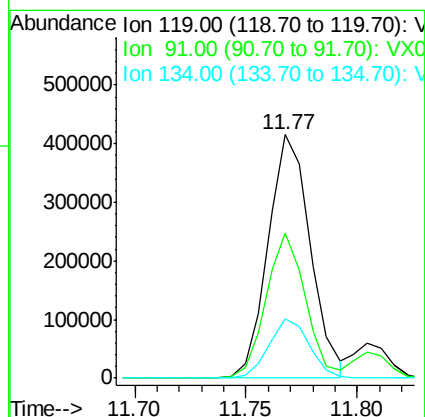
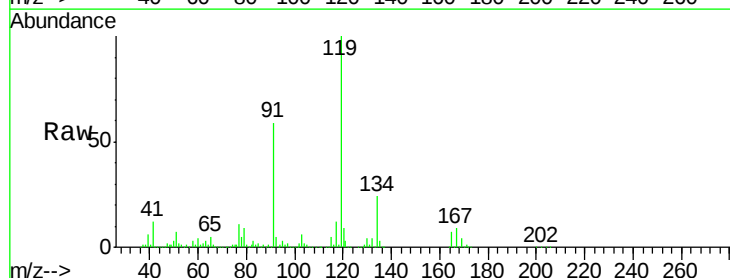
Tgt Ion: 119 Resp: 546920

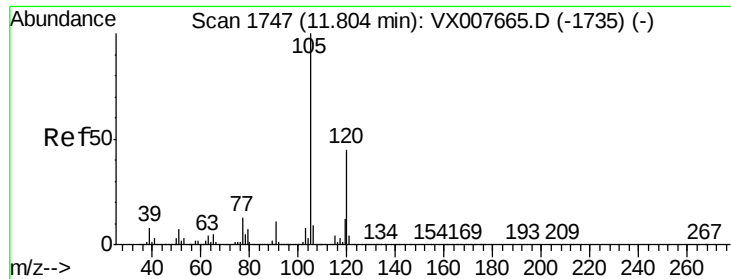
Ion Ratio Lower Upper

119 100

91 55.3 28.5 85.6

134 23.1 12.0 36.0

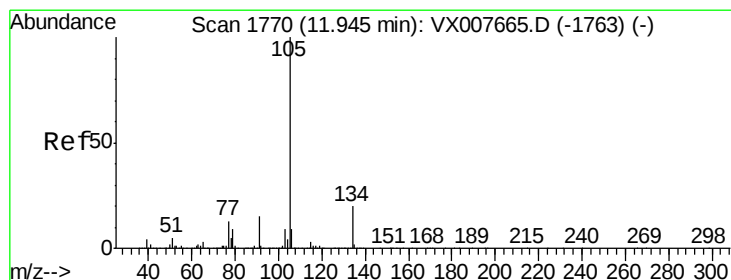
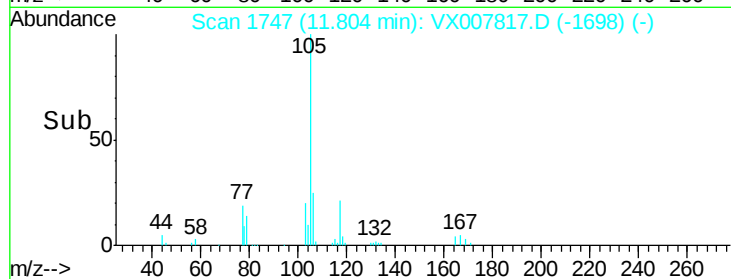
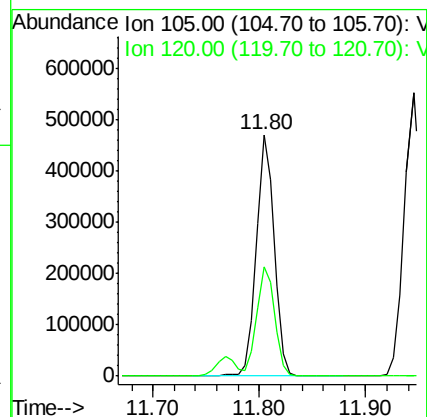
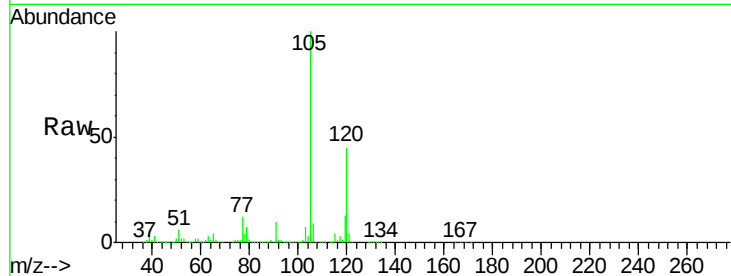




#84
 1,2,4-Trimethylbenzene
 Concen: 46.224 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

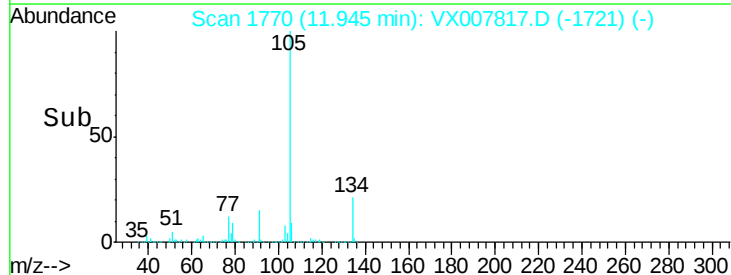
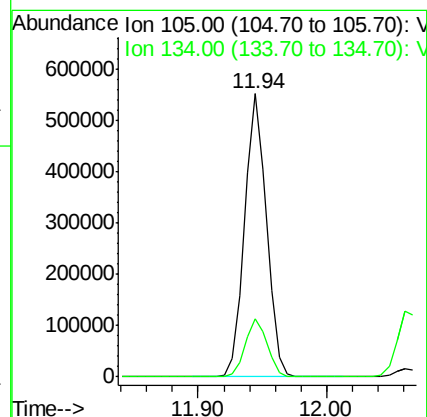
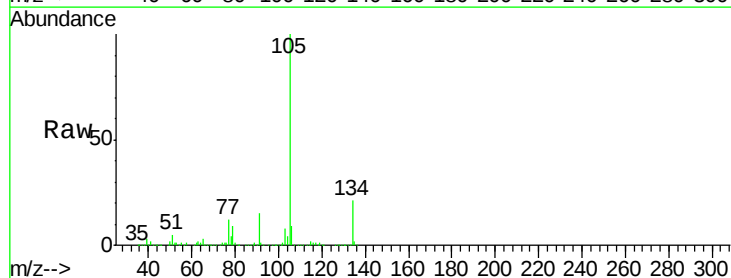
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

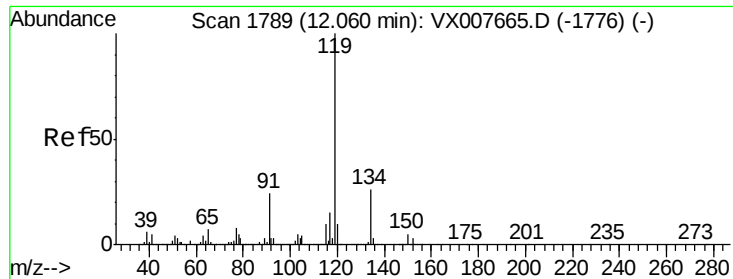
Tot Ion:105 Resp: 557854
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 45.669 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion:105 Resp: 648288
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.6 31.8

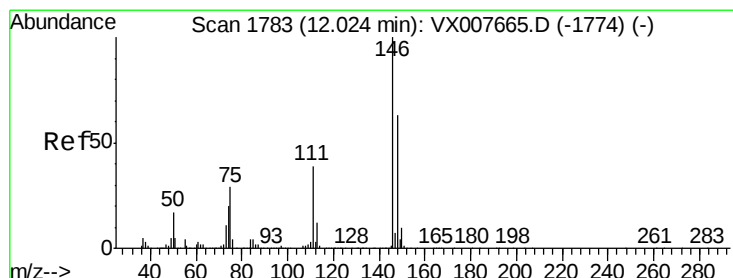
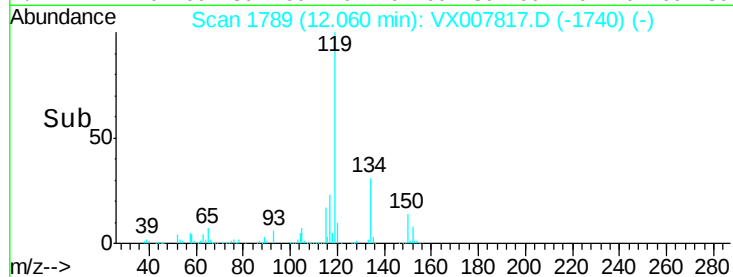
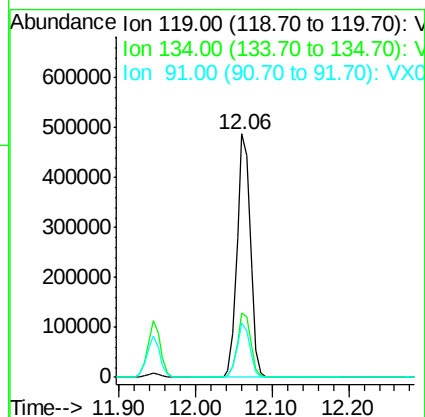
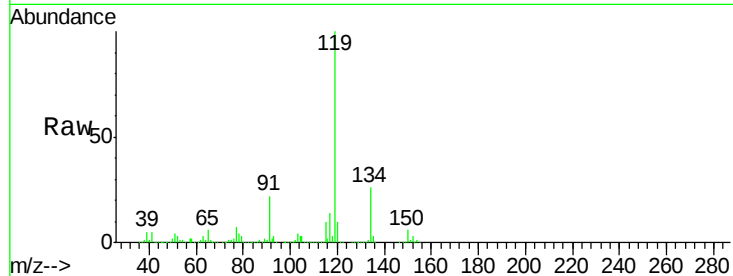




#86
 p-Isopropyltoluene
 Concen: 47.192 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

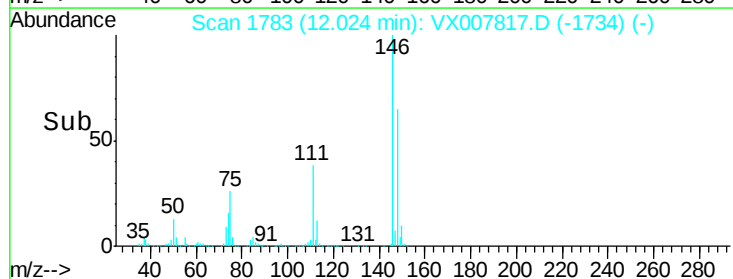
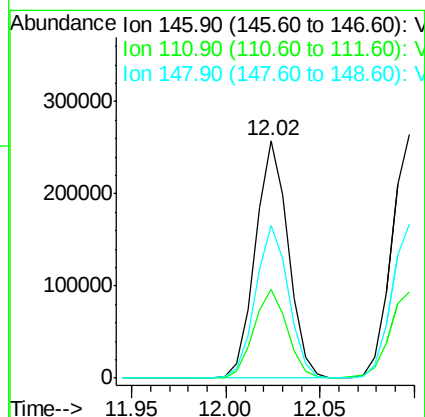
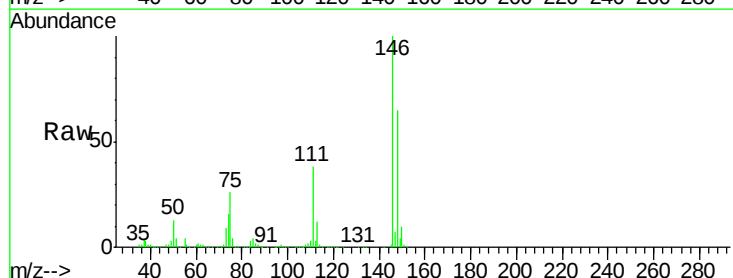
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-485-487MS

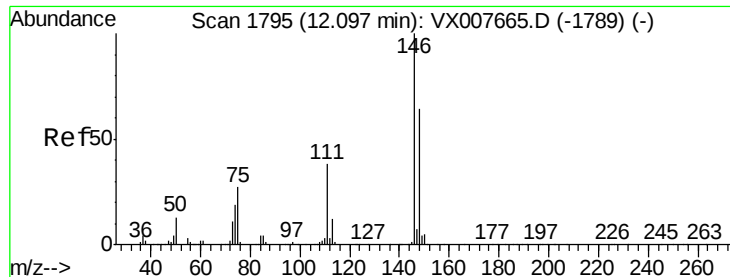
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.7	41.1
91	21.7	11.2	33.5



#87
 1,3-Dichlorobenzene
 Concen: 46.624 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.6	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 45.759 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

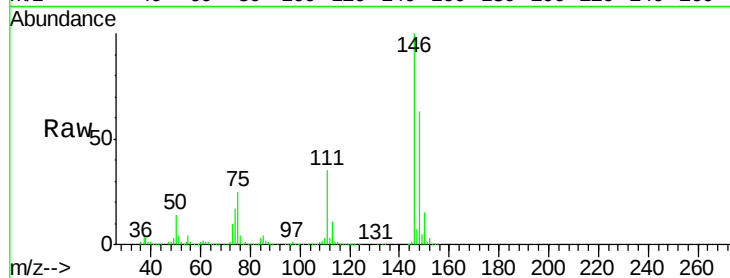
Tot Ion:146 Resp: 312741

Ion Ratio Lower Upper

146 100

111 36.3 18.1 54.1

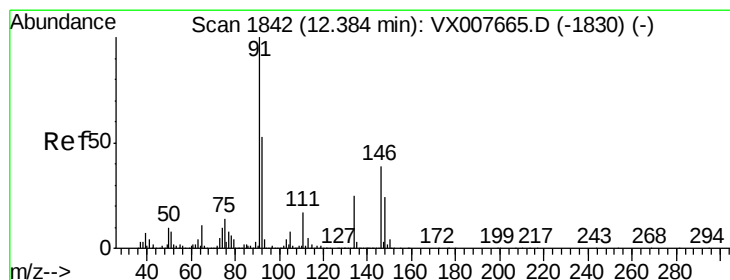
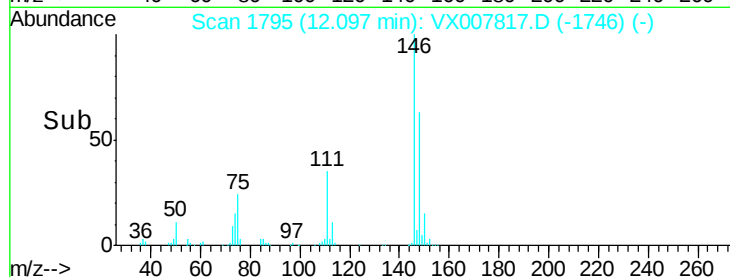
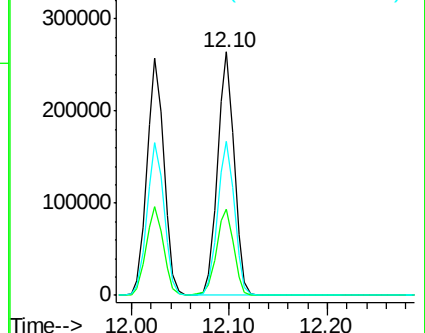
148 64.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 43.600 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

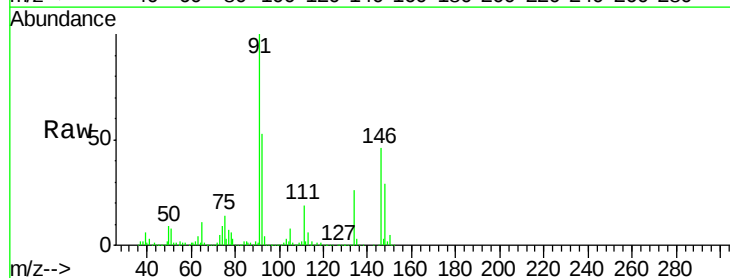
Tgt Ion: 91 Resp: 483388

Ion Ratio Lower Upper

91 100

92 53.3 26.3 78.9

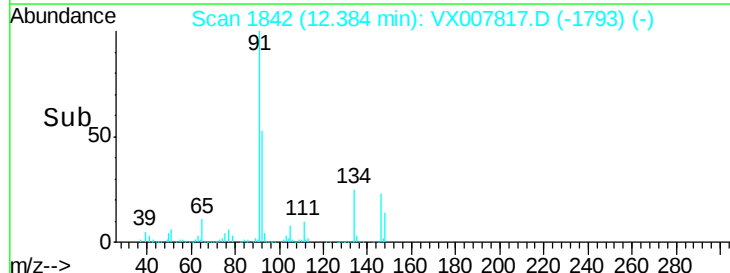
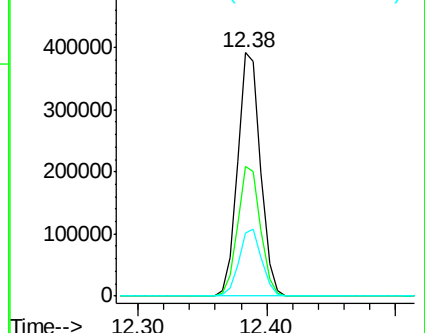
134 27.4 13.9 41.6

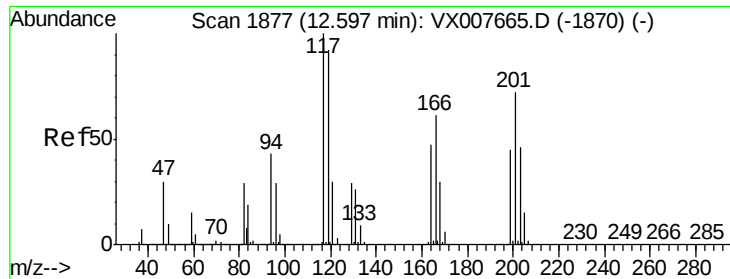


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 46.744 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

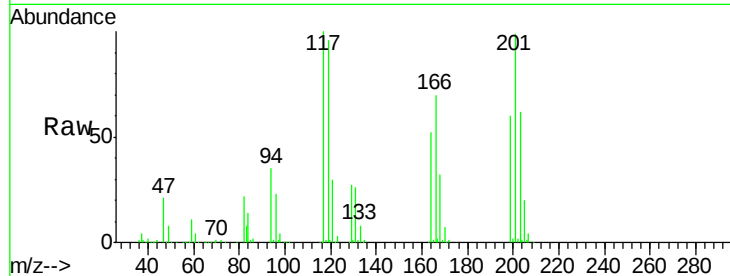
BP-VPB201-GW-485-487MS

Tot Ion:117 Resp: 97913

Ion Ratio Lower Upper

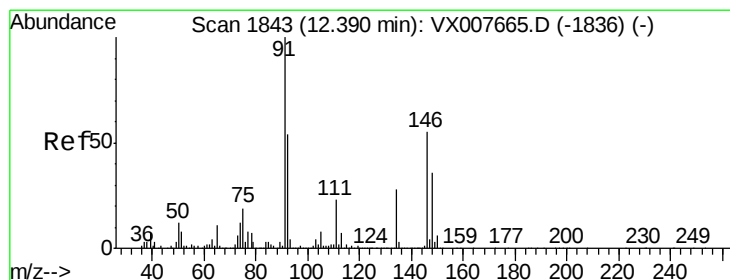
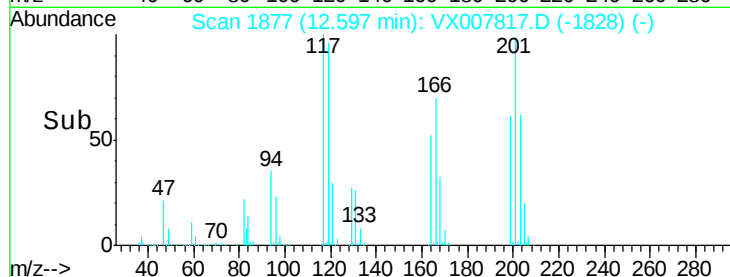
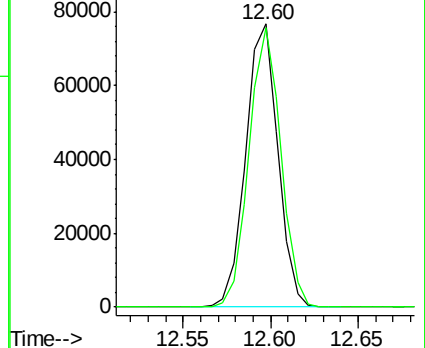
117 100

201 97.7 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 46.830 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

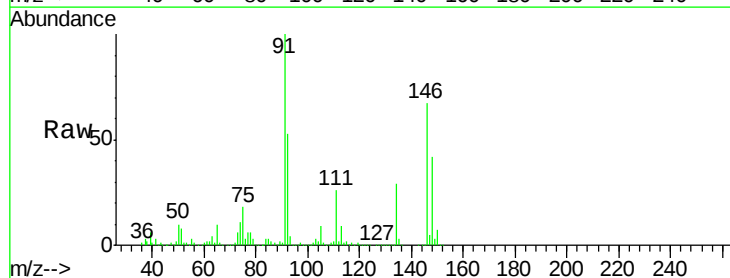
Tgt Ion:146 Resp: 312691

Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.3

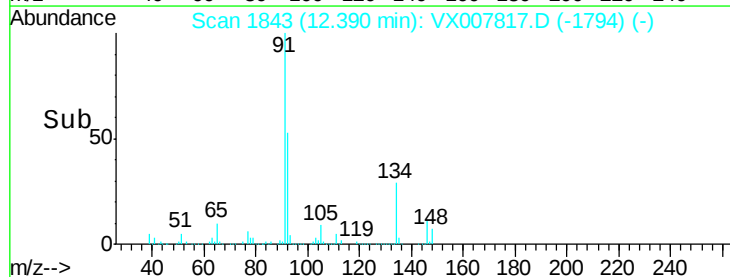
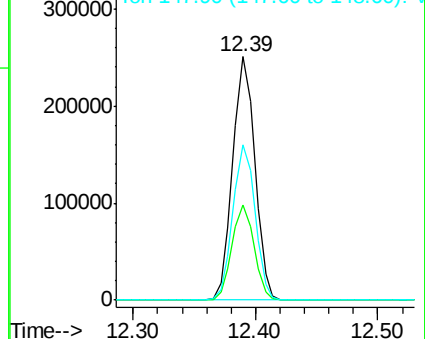
148 64.0 32.1 96.3

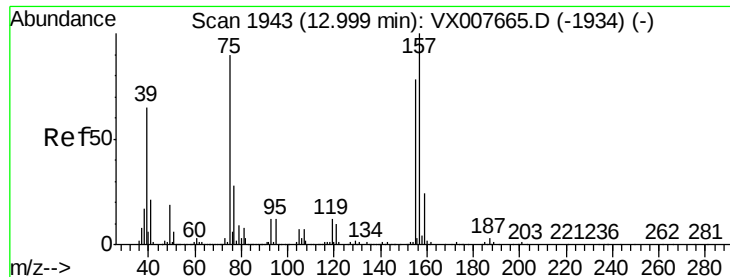


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.036 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

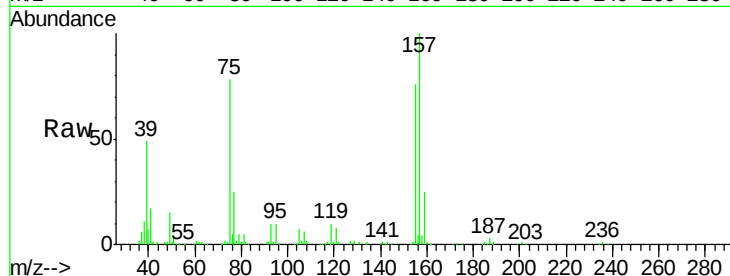
Tot Ion: 75 Resp: 48681

Ion Ratio Lower Upper

75 100

155 100.0 49.6 149.0

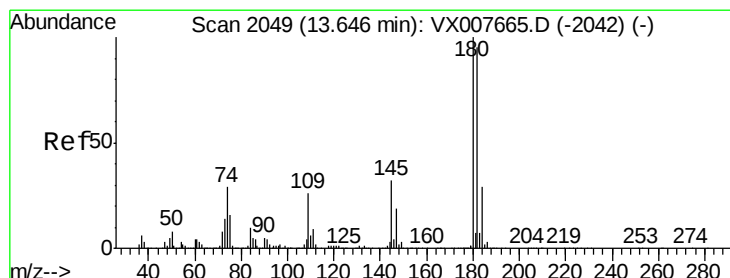
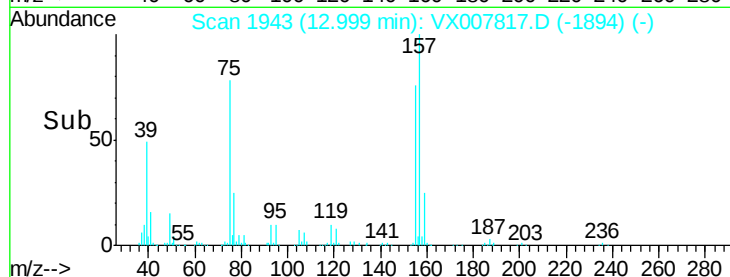
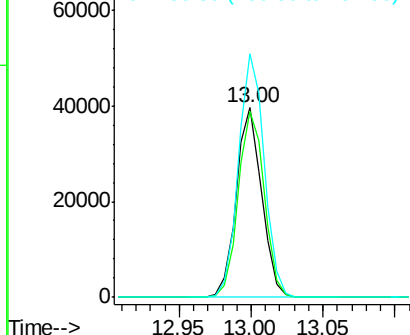
157 129.7 65.1 195.3



Abundance Ion 74.90 (74.60 to 75.60): VX007817.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX007817.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX007817.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 52.837 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

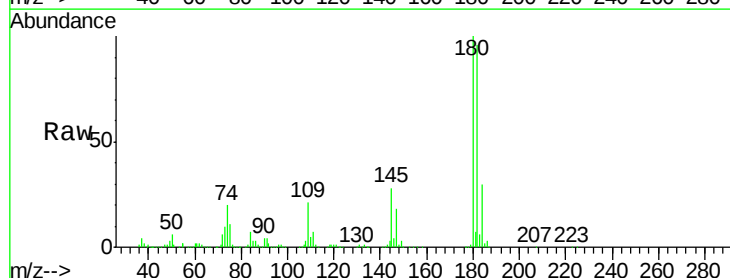
Tgt Ion: 180 Resp: 215354

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

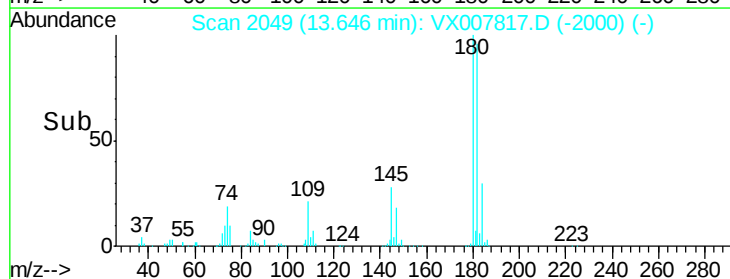
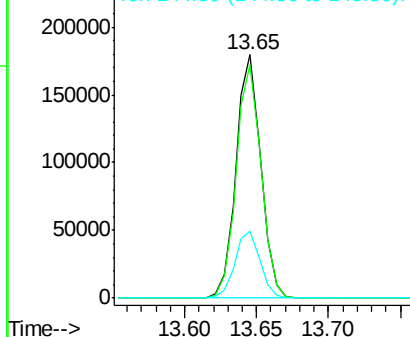
145 28.1 14.1 42.2

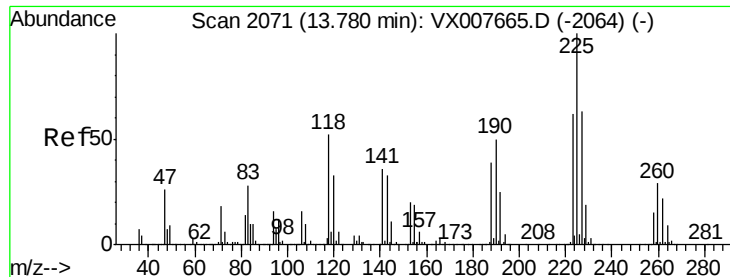


Abundance Ion 179.80 (179.50 to 180.50): VX007817.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX007817.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX007817.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 59.032 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-485-487MS

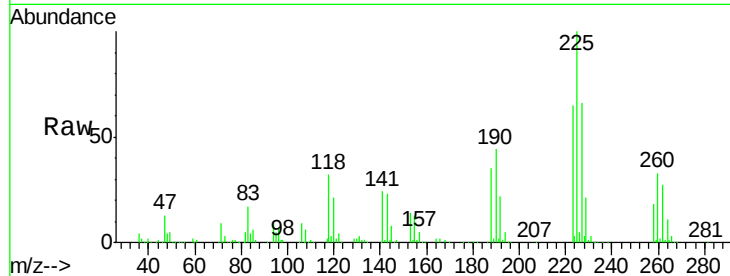
Tot Ion:225 Resp: 110067

Ion Ratio Lower Upper

225 100

223 63.7 31.6 94.8

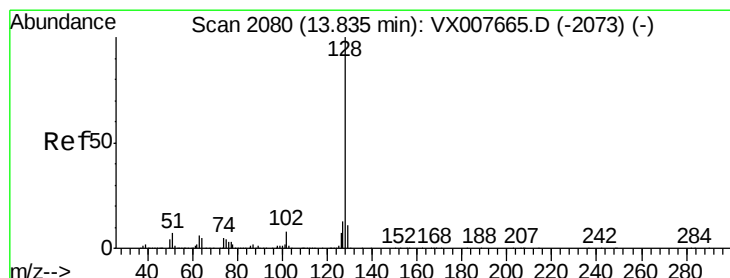
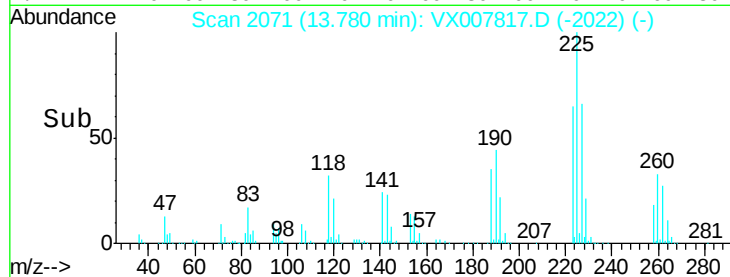
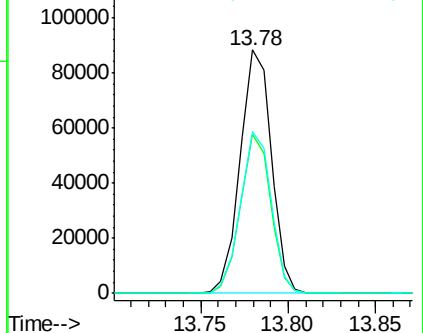
227 65.6 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.260 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007817.D

Acq: 04 Mar 2019 18:08

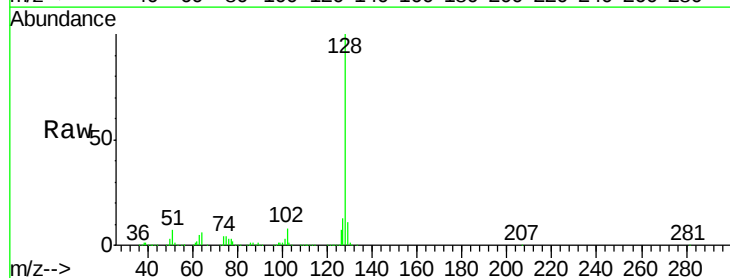
Tgt Ion:128 Resp: 663673

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

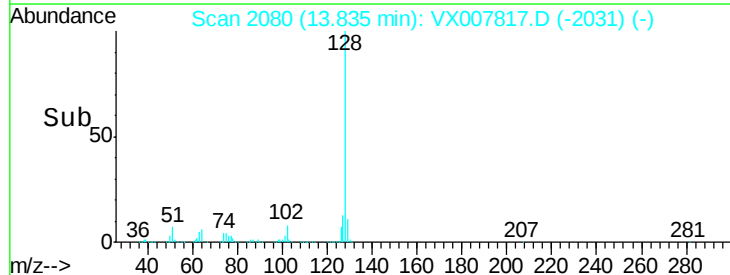
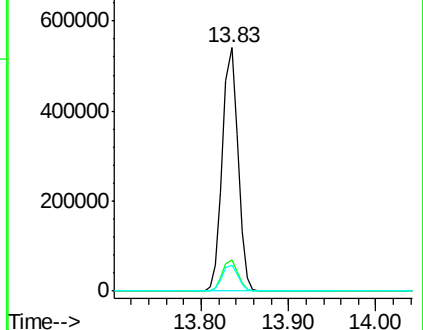
129 10.8 8.7 13.1

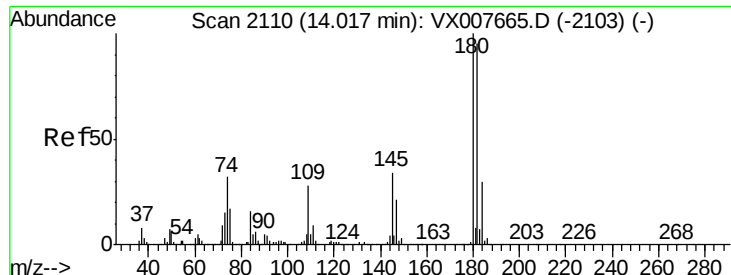


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 53.089 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007817.D
 Acq: 04 Mar 2019 18:08

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	30.0	14.9	44.5

