

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057045.D
 Acq On : 1 Aug 2019 18:17
 Operator : JC/SP
 Sample : K4097-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

Quant Time: Aug 02 05:15:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	440742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	660287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	255220	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.58	113	237467	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	
50) Toluene-d8	10.08	98	882429	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
62) 4-Bromofluorobenzene	12.40	95	288621	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	233160	52.329	ug/l	99
3) Chloromethane	2.05	50	258923	48.529	ug/l	99
4) Vinyl Chloride	2.18	62	240641	48.101	ug/l	98
5) Bromomethane	2.54	94	142006	45.659	ug/l	98
6) Chloroethane	2.69	64	132820	48.161	ug/l	100
7) Trichlorofluoromethane	3.00	101	341253	52.109	ug/l	98
8) Diethyl Ether	3.40	74	126866	51.762	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	200272	49.326	ug/l	99
10) Methyl Iodide	3.94	142	289777	53.411	ug/l	99
11) Tert butyl alcohol	4.77	59	159000	260.730	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	196981	50.846	ug/l	98
13) Acrolein	3.59	56	88946	284.679	ug/l	98
14) Allyl chloride	4.31	41	309951	49.184	ug/l	98
15) Acrylonitrile	4.97	53	487108	272.379	ug/l	99
16) Acetone	3.81	43	367071	224.582	ug/l	99
17) Carbon Disulfide	4.04	76	476825	46.319	ug/l	100
18) Methyl Acetate	4.31	43	246833	47.340	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	622881	53.922	ug/l	99
20) Methylene Chloride	4.54	84	229578	48.762	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	207494	50.431	ug/l	99
22) Diisopropyl ether	5.94	45	666869	51.360	ug/l	99
23) Vinyl Acetate	5.88	43	2187296	243.134	ug/l	99
24) 1,1-Dichloroethane	5.83	63	395188	51.586	ug/l	99
25) 2-Butanone	6.82	43	584698	252.279	ug/l	99
26) 2,2-Dichloropropane	6.81	77	258625	44.399	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	247949	50.952	ug/l	98
28) Bromochloromethane	7.18	49	177807	49.378	ug/l	98
29) Tetrahydrofuran	7.20	42	400237	264.680	ug/l	98
30) Chloroform	7.36	83	393530	50.242	ug/l	99
31) Cyclohexane	7.64	56	338749	45.695	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	332615	53.222	ug/l	98
36) 1,1-Dichloropropene	7.78	75	283783	48.843	ug/l	100
37) Ethyl Acetate	6.91	43	229242	49.264	ug/l	98
38) Carbon Tetrachloride	7.76	117	288250	52.449	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057045.D
 Acq On : 1 Aug 2019 18:17
 Operator : JC/SP
 Sample : K4097-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

Quant Time: Aug 02 05:15:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	344241	46.358	ug/l	98
40) Benzene	8.03	78	897283	50.141	ug/l	98
41) Methacrylonitrile	7.16	41	104046	48.367	ug/l	94
42) 1,2-Dichloroethane	8.11	62	289180	51.561	ug/l	99
43) Isopropyl Acetate	8.16	43	384571	50.002	ug/l	99
44) Trichloroethene	8.82	130	248844	50.474	ug/l	99
45) 1,2-Dichloropropane	9.11	63	237724	49.665	ug/l	99
46) Dibromomethane	9.20	93	154520	53.529	ug/l	99
47) Bromodichloromethane	9.39	83	296838	52.302	ug/l	98
48) Methyl methacrylate	9.19	41	195575	52.669	ug/l	97
49) 1,4-Dioxane	9.19	88	83139	1086.459	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1201726	262.970	ug/l	100
52) Toluene	10.15	92	550158	51.170	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	301279	51.155	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	342936	50.080	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	219448	50.895	ug/l	98
56) Ethyl methacrylate	10.42	69	318963	49.020	ug/l	98
57) 1,3-Dichloropropane	10.70	76	368226	51.501	ug/l	99
59) 2-Hexanone	10.74	43	847248	240.843	ug/l	100
60) Dibromochloromethane	10.90	129	239332	54.179	ug/l	97
61) 1,2-Dibromoethane	11.00	107	231019	54.903	ug/l	98
64) Tetrachloroethene	10.63	164	256912	50.799	ug/l	98
65) Chlorobenzene	11.43	112	600269	50.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	233847	51.942	ug/l	99
67) Ethyl Benzene	11.51	91	1039806	50.298	ug/l	99
68) m/p-Xylenes	11.62	106	785673	102.978	ug/l	99
69) o-Xylene	11.94	106	384315	51.487	ug/l	99
70) Styrene	11.96	104	634850	48.189	ug/l	99
71) Bromoform	12.12	173	170418	54.218	ug/l	99
73) Isopropylbenzene	12.25	105	1022468	47.694	ug/l	99
74) N-amyl acetate	12.07	43	295059	47.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286949	53.114	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	347677	69.016	ug/l #	100
77) Bromobenzene	12.52	156	271837	48.584	ug/l	98
78) n-propylbenzene	12.59	91	1091687	47.692	ug/l	99
79) 2-Chlorotoluene	12.67	91	661780	46.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	852260	48.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	78652	50.164	ug/l	98
82) 4-Chlorotoluene	12.77	91	643354	48.774	ug/l	99
83) tert-Butylbenzene	12.99	119	759096	48.735	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	823914	48.666	ug/l	100
85) sec-Butylbenzene	13.17	105	946507	47.111	ug/l	100
86) p-Isopropyltoluene	13.29	119	859714	48.198	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416483	48.935	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	398968	48.694	ug/l	99
89) n-Butylbenzene	13.61	91	628663	45.730	ug/l	100
90) Hexachloroethane	13.87	117	152322	49.593	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	420062	50.147	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45191	52.999	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	169639	39.839	ug/l	99

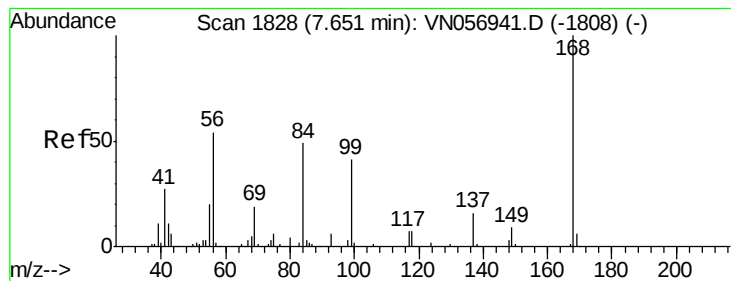
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057045.D
Acq On : 1 Aug 2019 18:17
Operator : JC/SP
Sample : K4097-07MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

Quant Time: Aug 02 05:15:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	151173	51.784	ug/l	97
95) Naphthalene	15.12	128	435197	41.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	190293	43.841	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

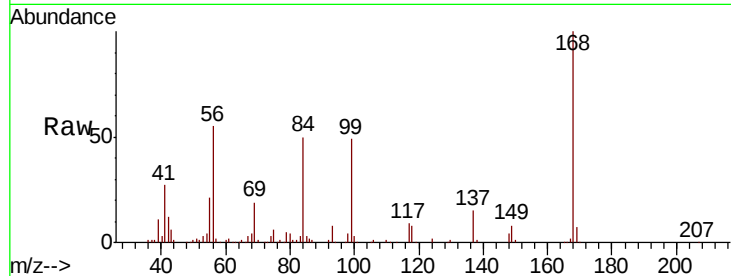
BP-VPB203-GW-498-500MS

Tot Ion:168 Resp: 440742

Ion Ratio Lower Upper

168 100

99 49.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

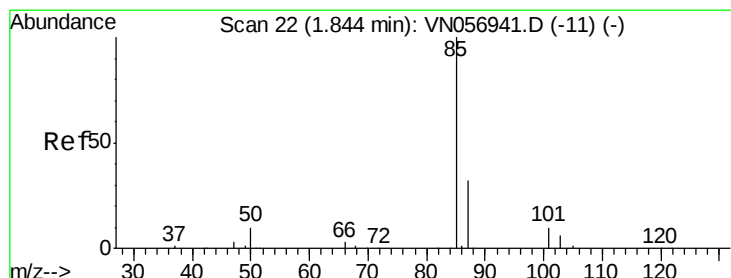
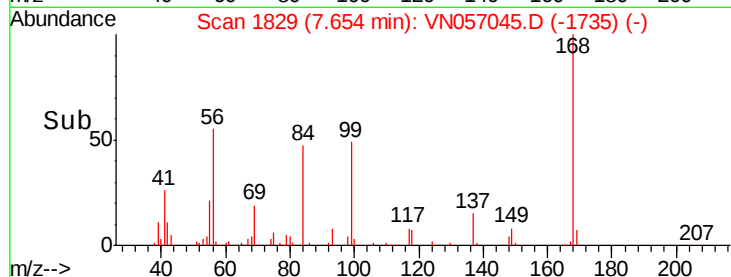
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.329 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057045.D

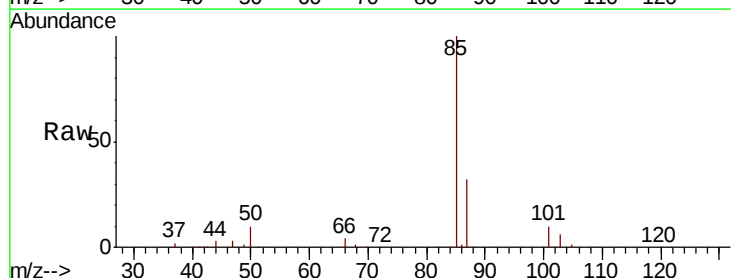
Acq: 1 Aug 2019 18:17

Tgt Ion: 85 Resp: 233160

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

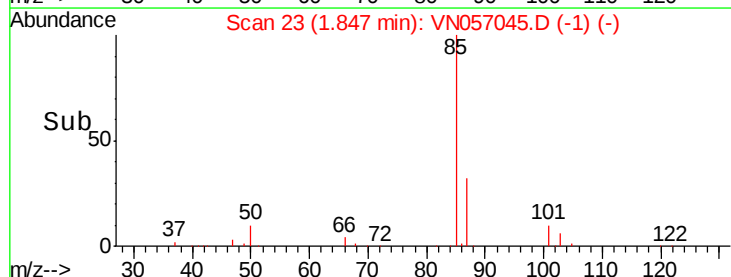
100000

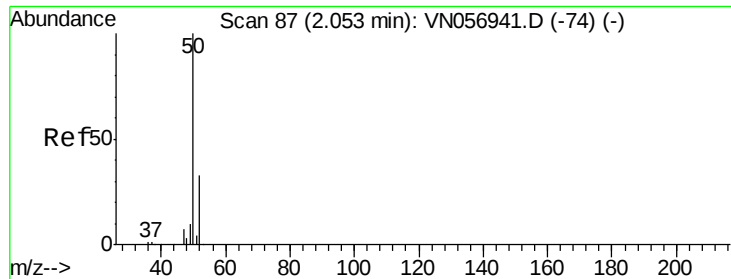
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.529 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

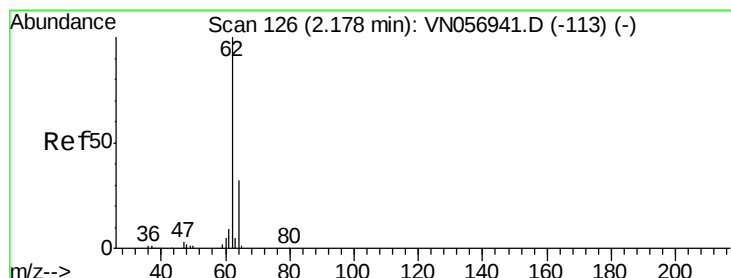
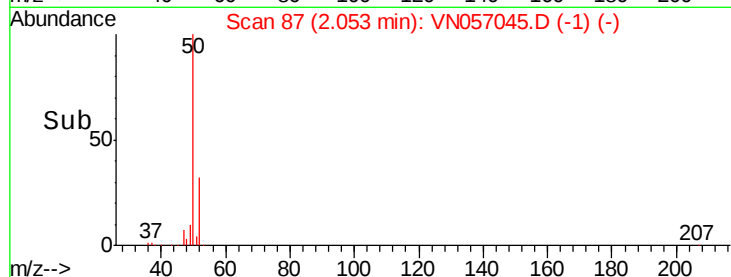
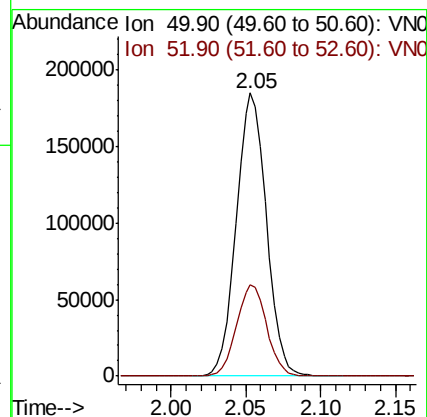
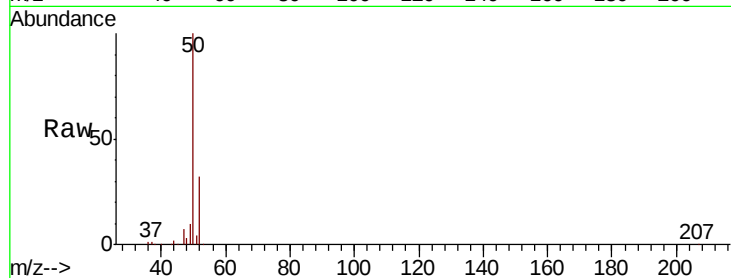
BP-VPB203-GW-498-500MS

Tot Ion: 50 Resp: 258923

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2



#4

Vinyl Chloride

Concen: 48.101 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057045.D

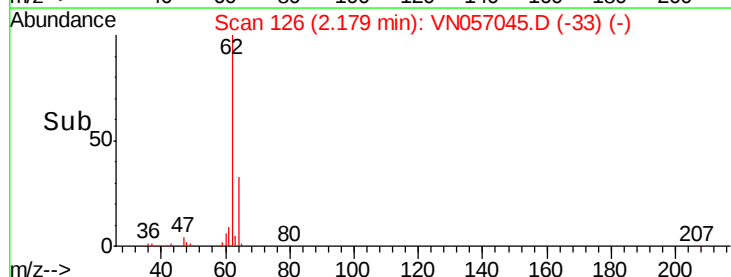
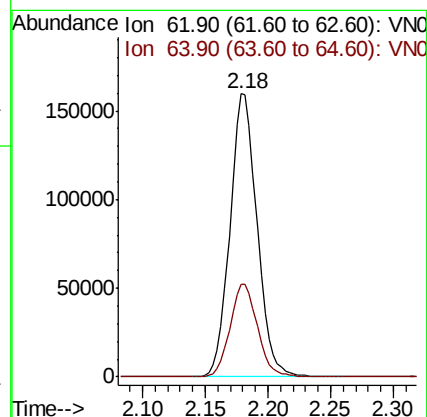
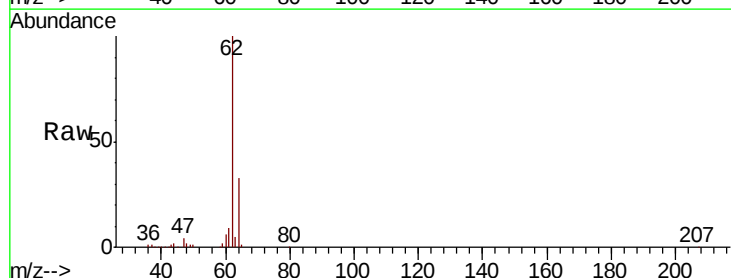
Acq: 1 Aug 2019 18:17

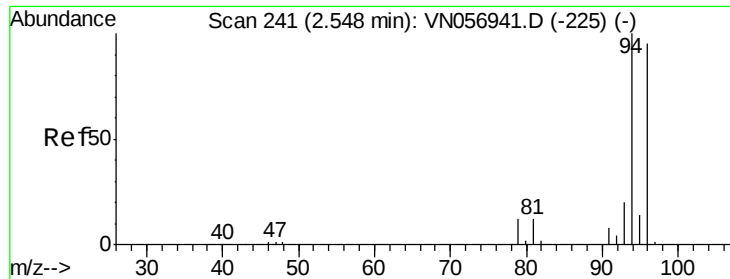
Tgt Ion: 62 Resp: 240641

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 45.659 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

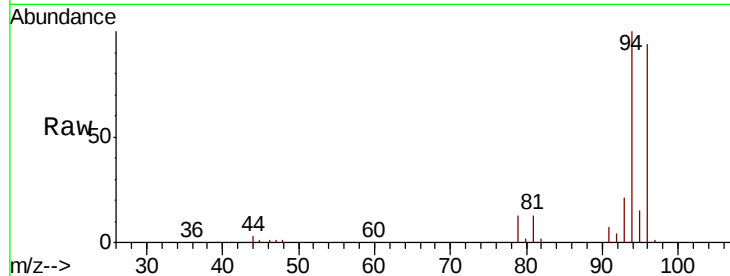
BP-VPB203-GW-498-500MS

Tot Ion: 94 Resp: 142006

Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN056941.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056941.D (-225) (-)

2.54

80000

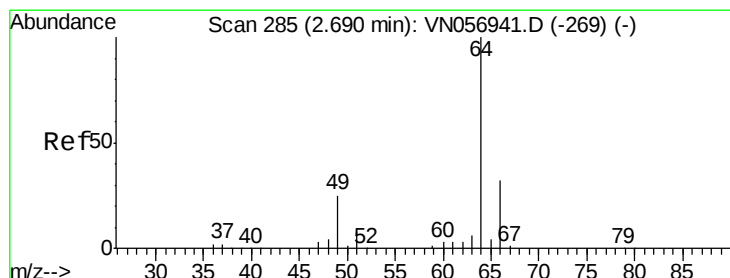
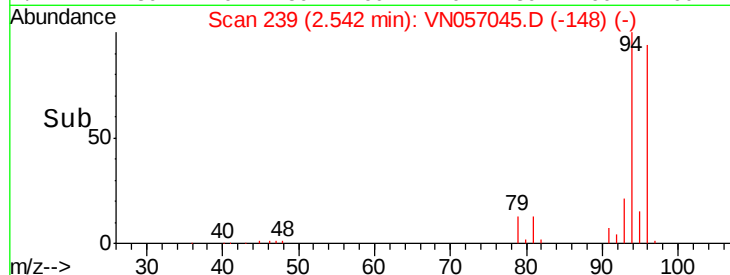
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.161 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057045.D

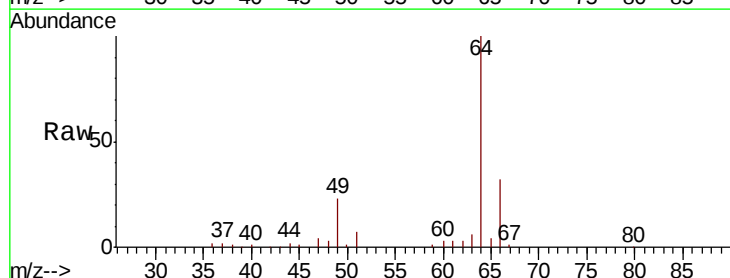
Acq: 1 Aug 2019 18:17

Tgt Ion: 64 Resp: 132820

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN056941.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN056941.D (-269) (-)

2.69

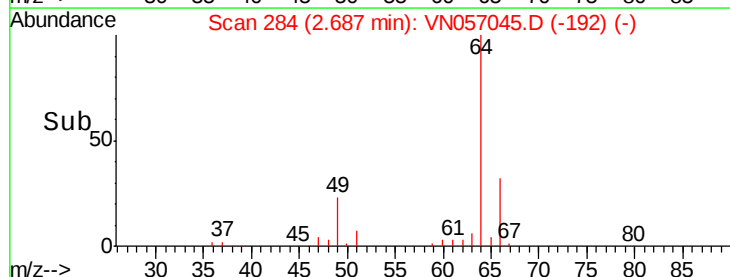
60000

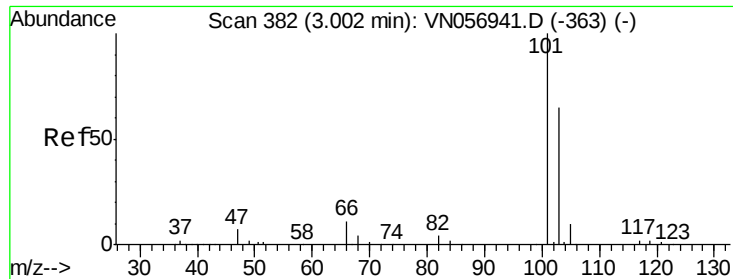
40000

20000

0

Time-->



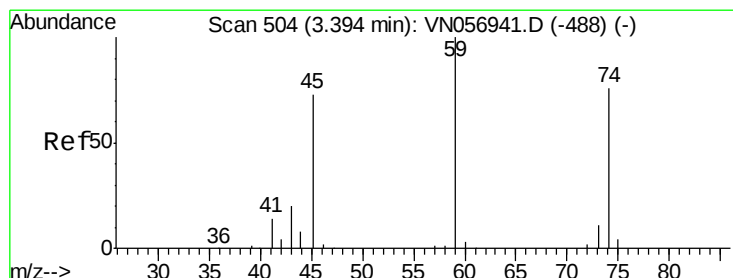
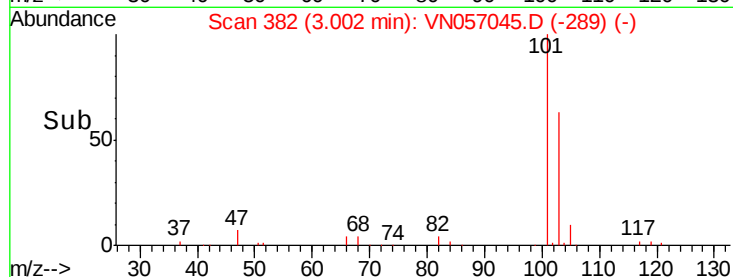
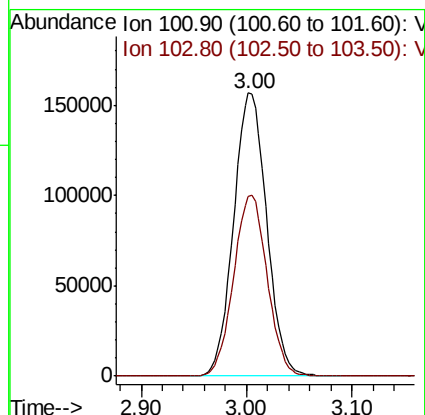
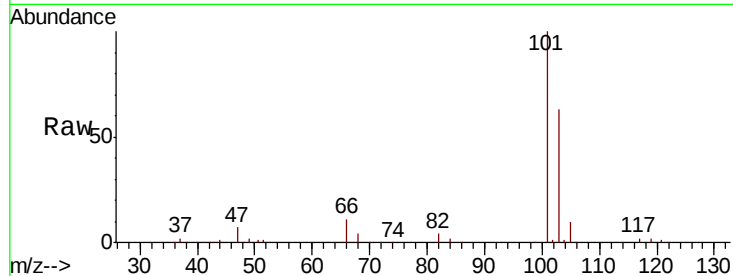


#7

Trichlorofluoromethane
 Concen: 52.109 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

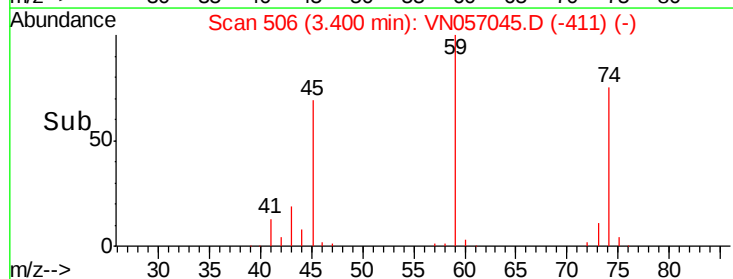
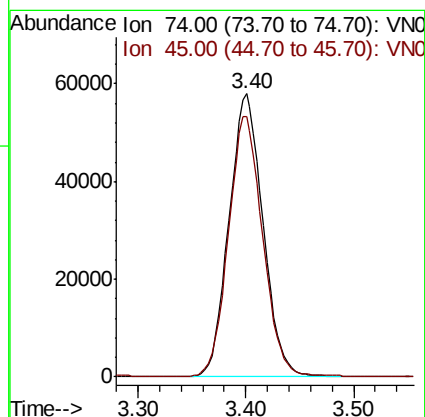
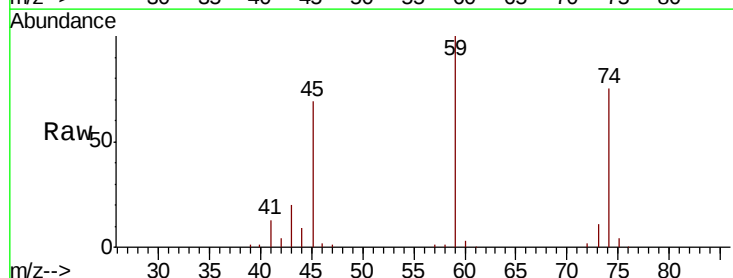
Tot Ion:101 Resp: 341253
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.1 78.1

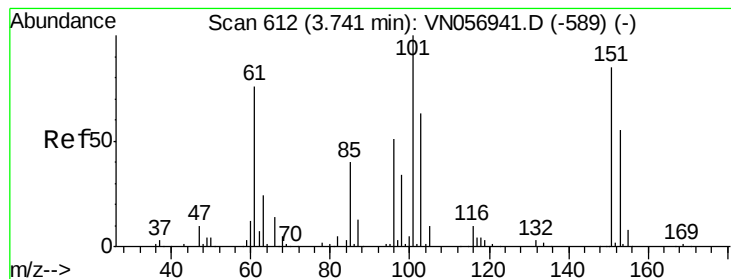


#8

Diethyl Ether
 Concen: 51.762 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 74 Resp: 126866
 Ion Ratio Lower Upper
 74 100
 45 92.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.326 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

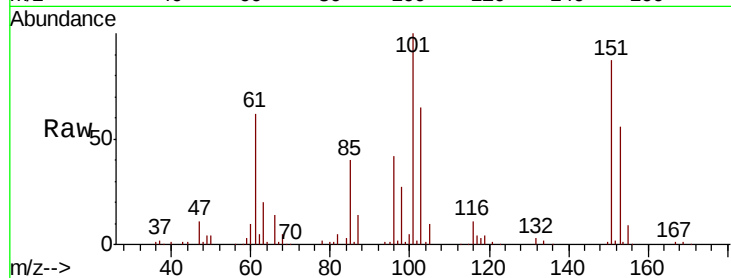
Tot Ion:101 Resp: 200272

Ion Ratio Lower Upper

101 100

85 41.1 32.3 48.5

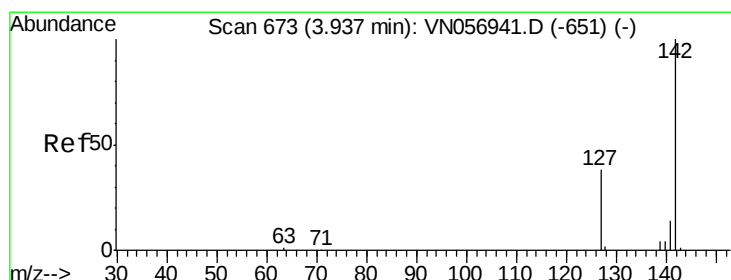
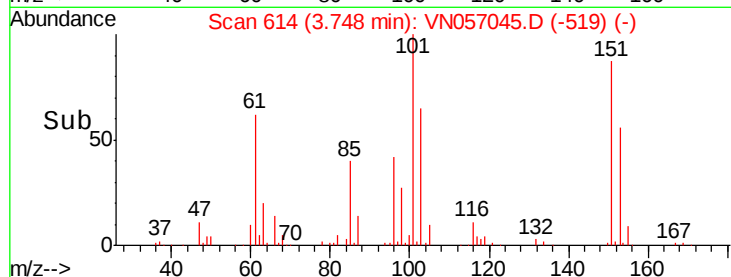
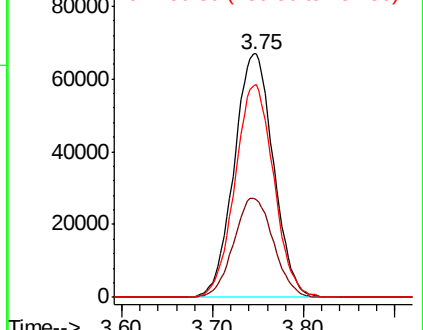
151 86.3 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.411 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

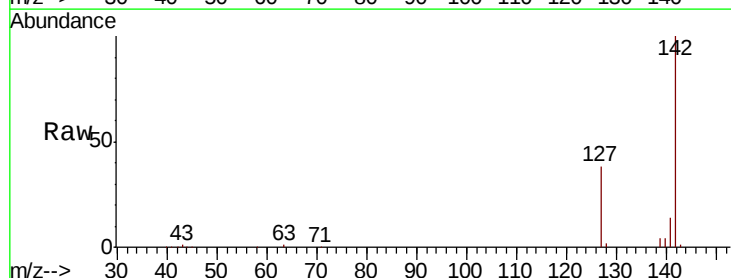
Tgt Ion:142 Resp: 289777

Ion Ratio Lower Upper

142 100

127 39.0 30.4 45.6

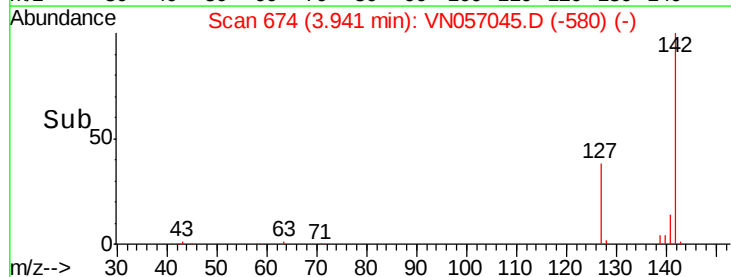
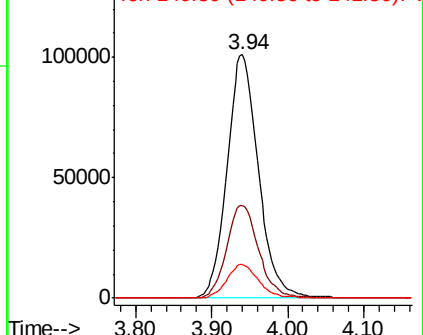
141 14.0 11.1 16.7

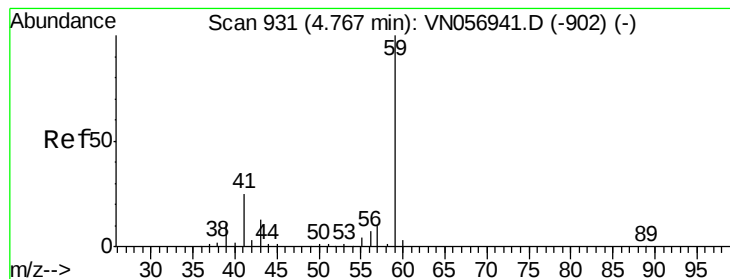


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



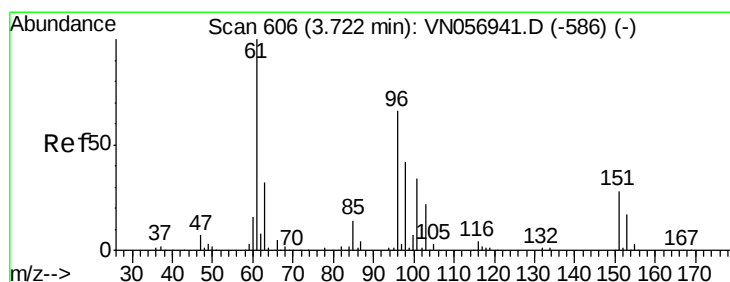
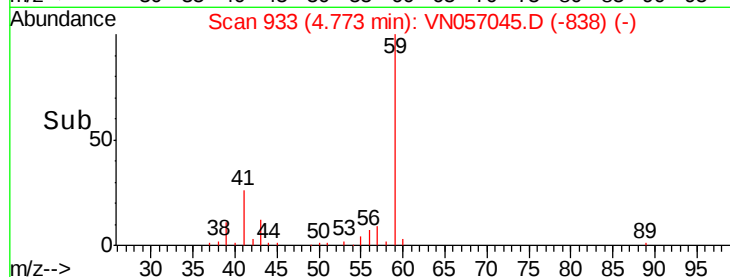
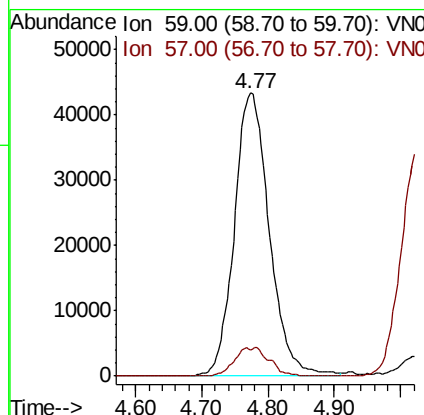
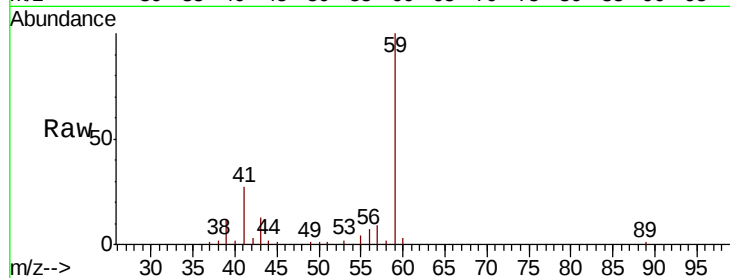


#11

Tert butyl alcohol
 Concen: 260.730 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

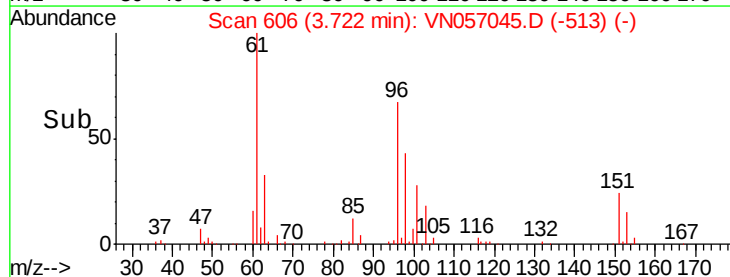
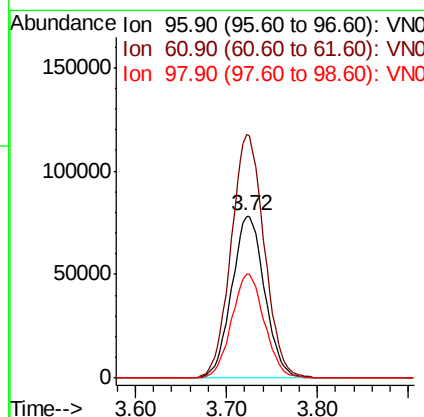
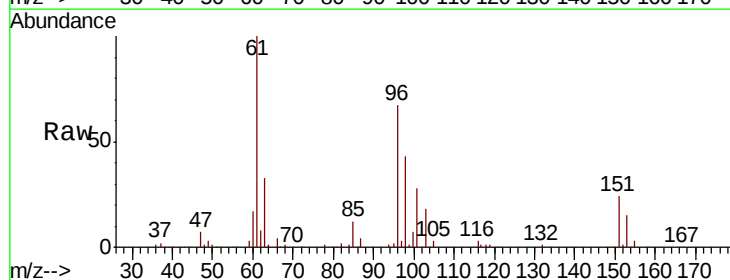
Tot Ion: 59 Resp: 159000
 Ion Ratio Lower Upper
 59 100
 57 4.8 7.5 11.3#

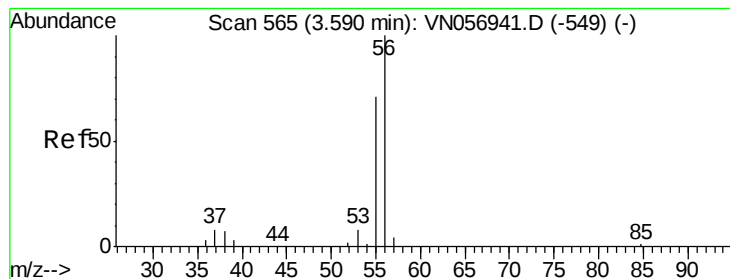


#12

1,1-Dichloroethene
 Concen: 50.846 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 96 Resp: 196981
 Ion Ratio Lower Upper
 96 100
 61 149.9 121.8 182.8
 98 63.9 51.7 77.5





#13

Acrolein

Concen: 284.679 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

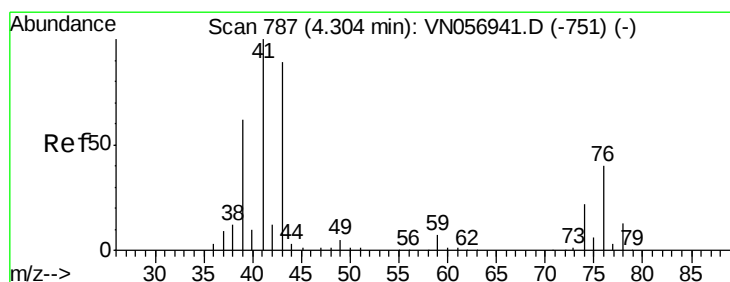
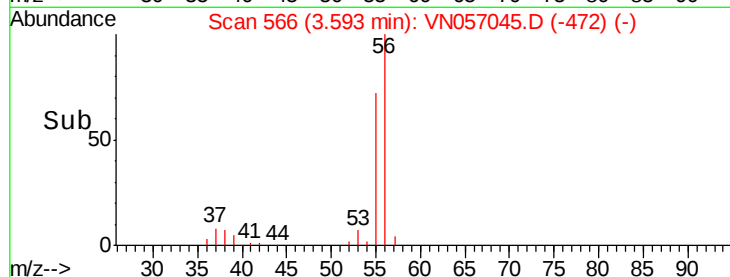
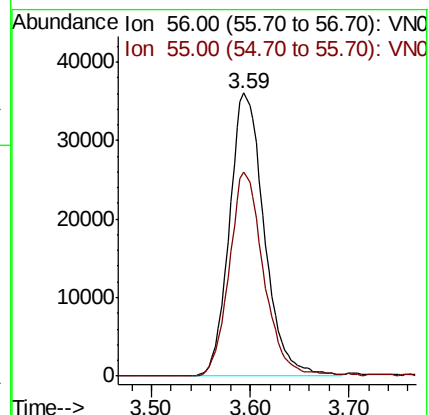
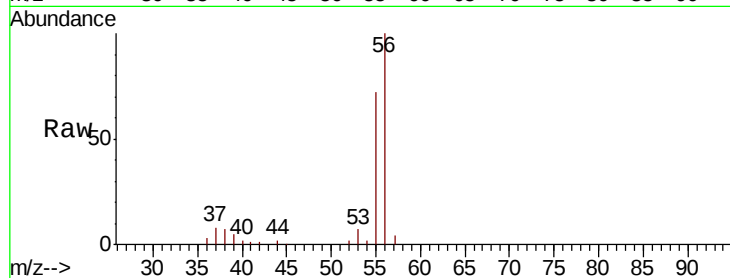
BP-VPB203-GW-498-500MS

Tot Ion: 56 Resp: 88946

Ion Ratio Lower Upper

56 100

55 71.4 55.8 83.6



#14

Allyl chloride

Concen: 49.184 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

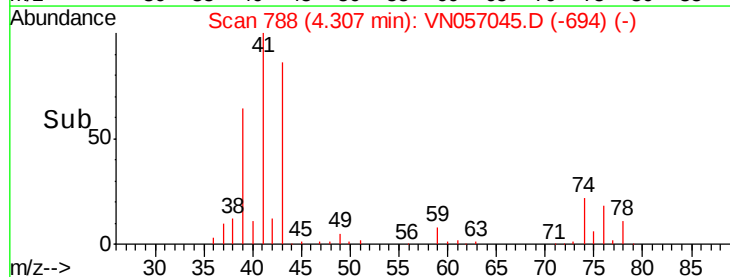
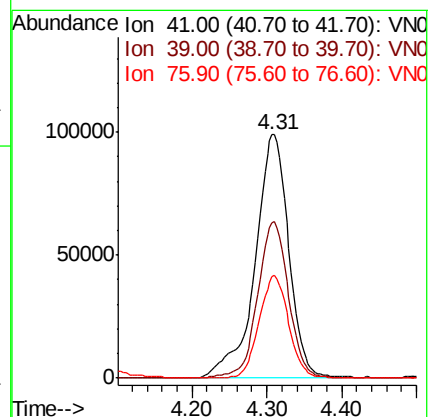
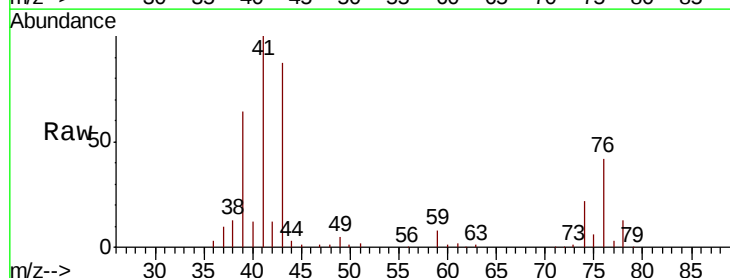
Tgt Ion: 41 Resp: 309951

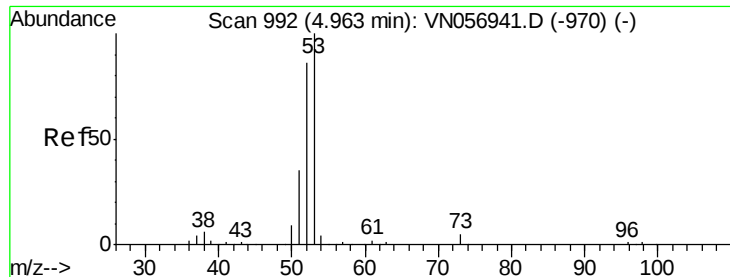
Ion Ratio Lower Upper

41 100

39 59.2 46.4 69.6

76 37.0 28.4 42.6





#15

Acrylonitrile

Concen: 272.379 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

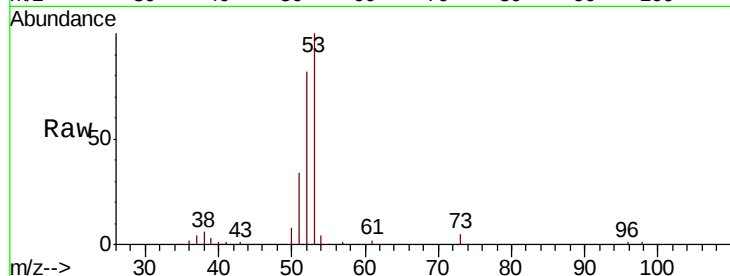
Tot Ion: 53 Resp: 487108

Ion Ratio Lower Upper

53 100

52 82.3 66.5 99.7

51 35.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056941.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN056941.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN056941.D (-970) (-)

4.97

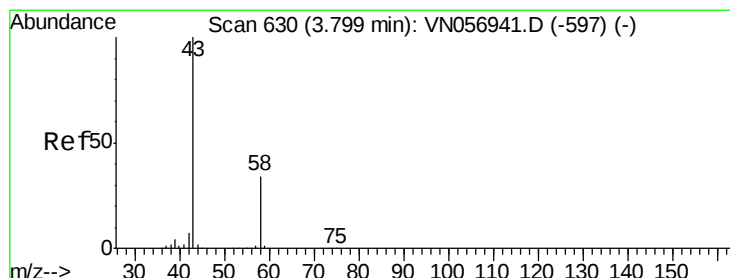
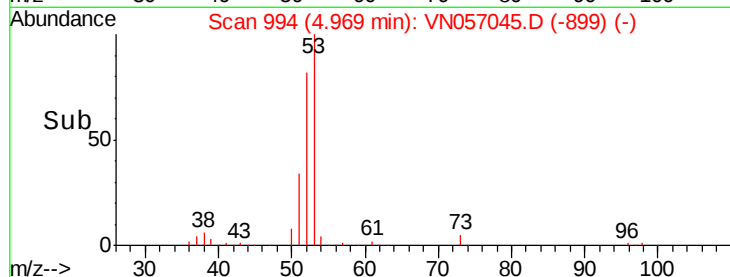
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 224.582 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057045.D

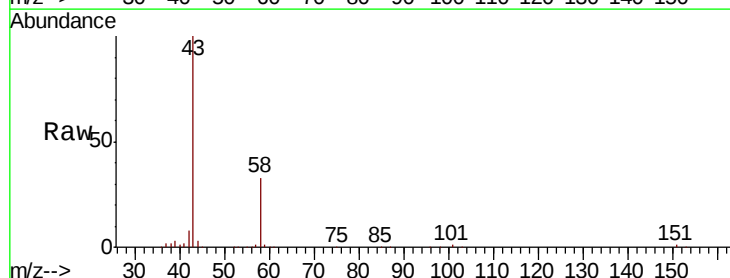
Acq: 1 Aug 2019 18:17

Tgt Ion: 43 Resp: 367071

Ion Ratio Lower Upper

43 100

58 33.3 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)

3.81

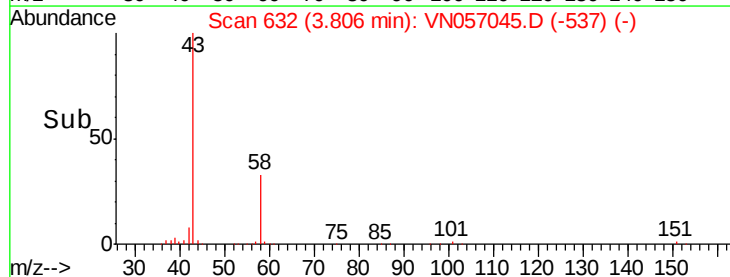
150000

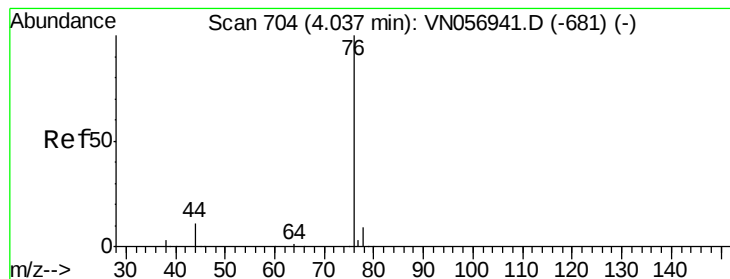
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 46.319 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

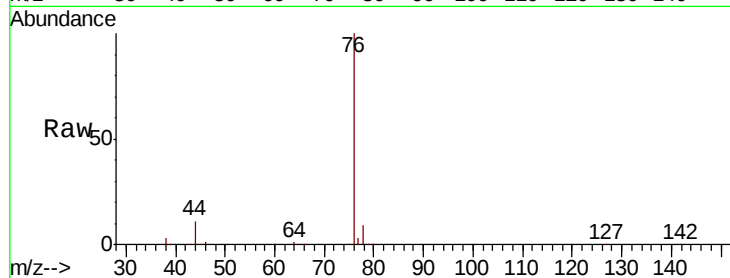
BP-VPB203-GW-498-500MS

Tot Ion: 76 Resp: 476825

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN056941.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN056941.D (-681) (-)

4.04

200000

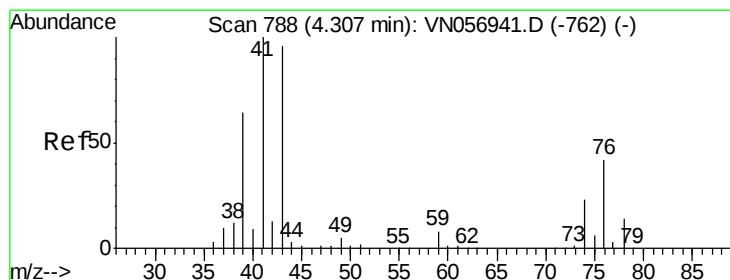
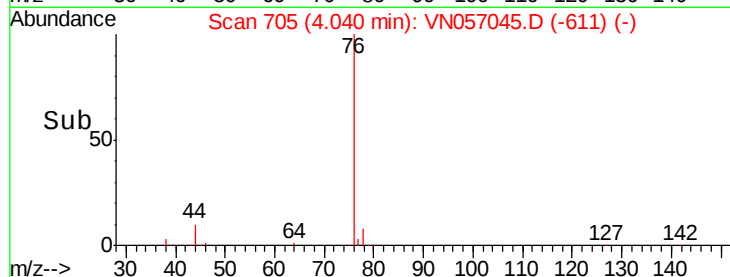
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.340 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057045.D

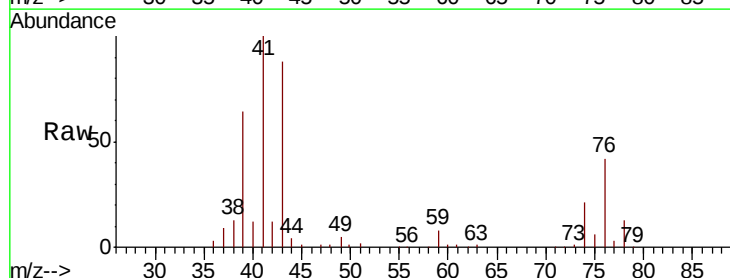
Acq: 1 Aug 2019 18:17

Tgt Ion: 43 Resp: 246833

Ion Ratio Lower Upper

43 100

74 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN056941.D (-762) (-)

4.31

100000

80000

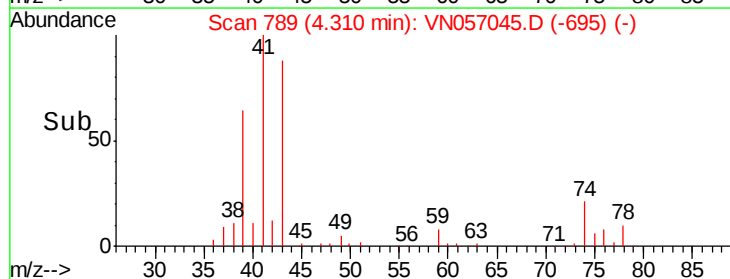
60000

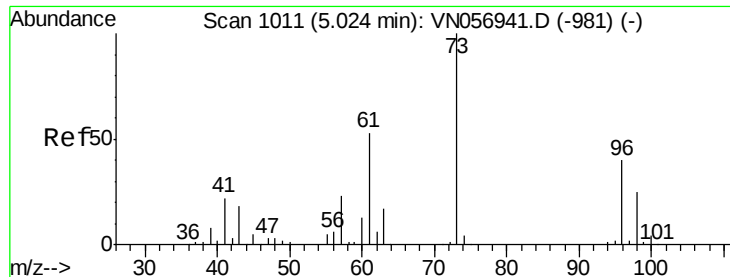
40000

20000

0

Time-->

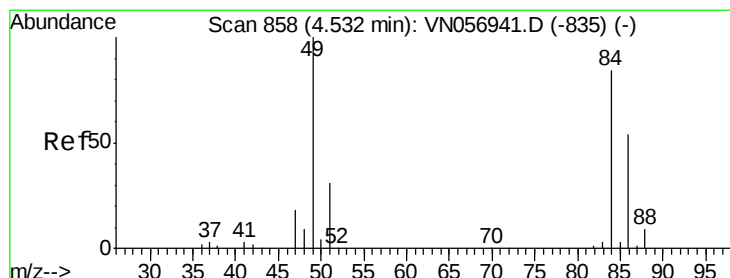
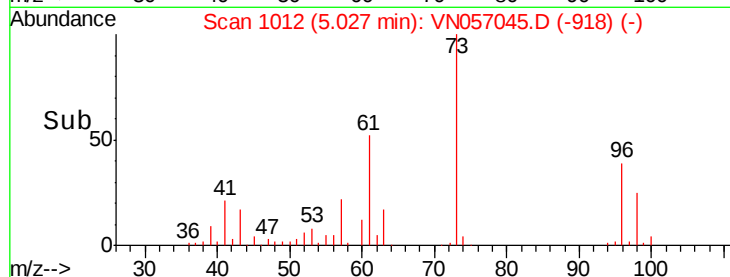
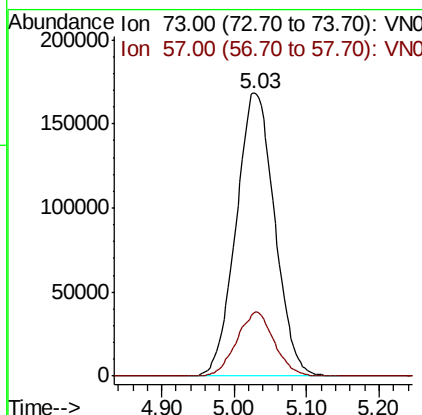
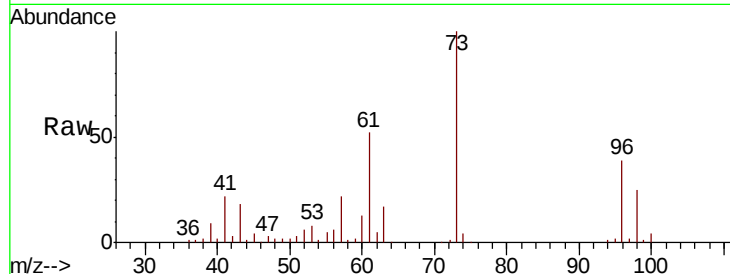




#19
Methvl tert-butvl Ether
Concen: 53.922 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

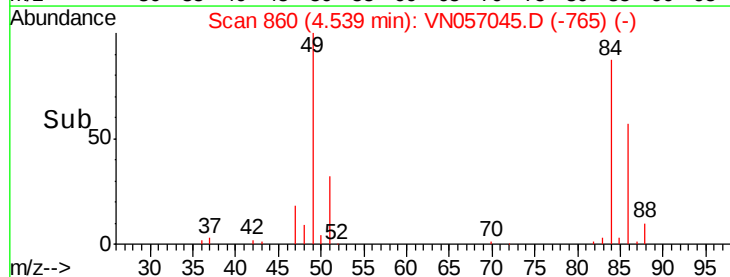
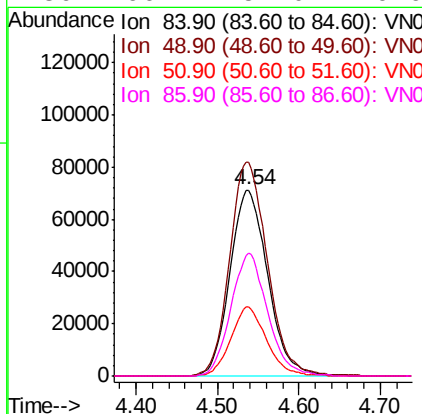
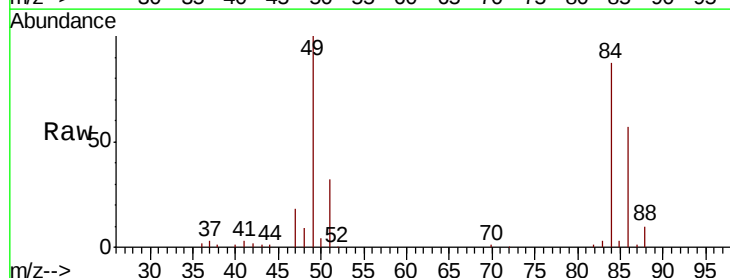
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

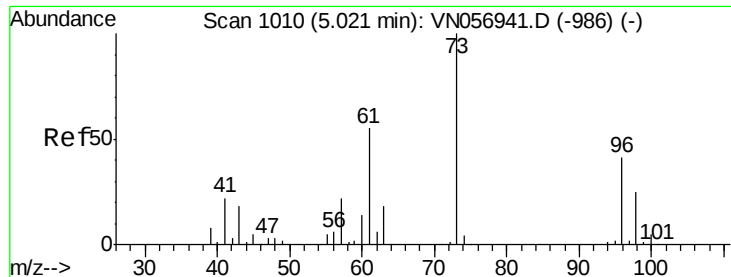
Tot Ion: 73 Resp: 622881
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 48.762 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 84 Resp: 229578
Ion Ratio Lower Upper
84 100
49 115.0 95.2 142.8
51 37.3 29.7 44.5
86 66.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.431 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

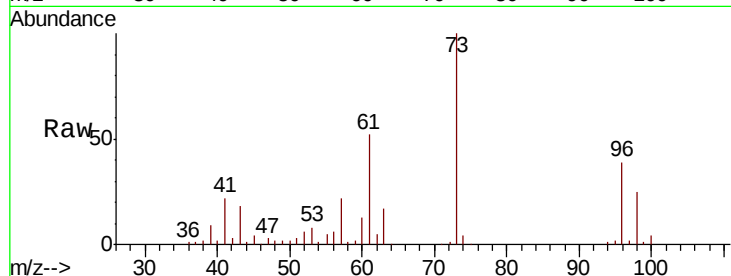
Tot Ion: 96 Resp: 207494

Ion Ratio Lower Upper

96 100

61 134.2 107.5 161.3

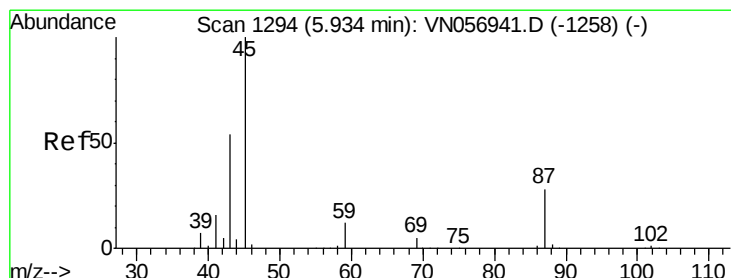
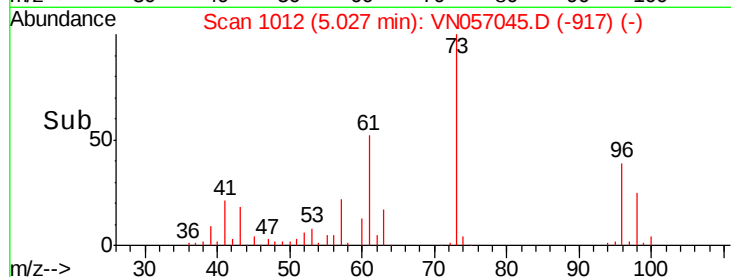
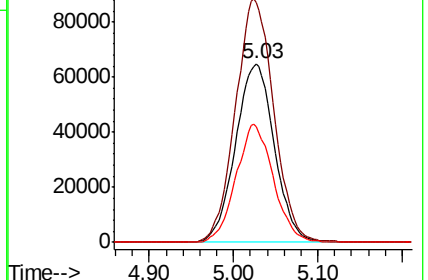
98 64.7 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN056941.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-986) (-)



#22

Diisopropyl ether

Concen: 51.360 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Tgt Ion: 45 Resp: 666869

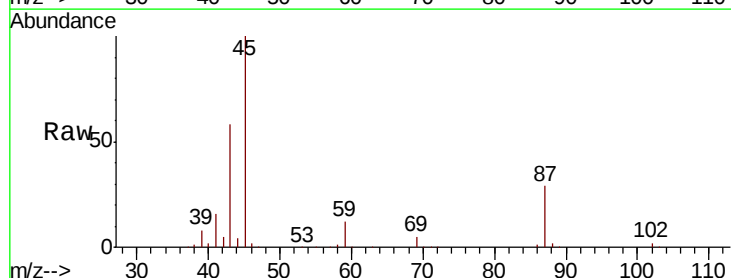
Ion Ratio Lower Upper

45 100

43 56.9 44.7 67.1

87 29.3 23.0 34.6

59 11.6 9.8 14.8

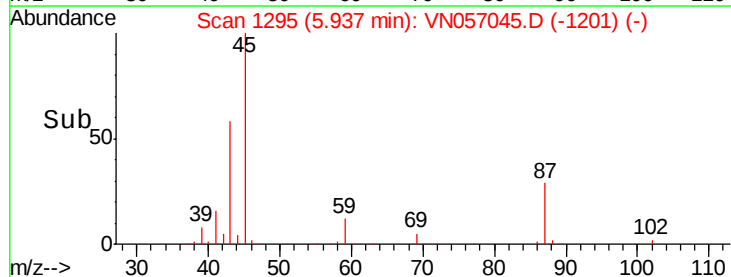
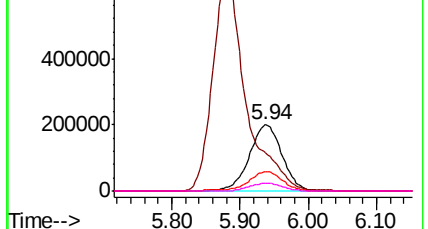


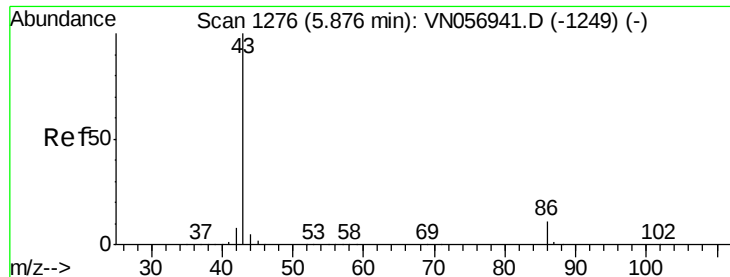
Abundance Ion 45.00 (44.70 to 45.70): VN056941.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN056941.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN056941.D (-1258) (-)

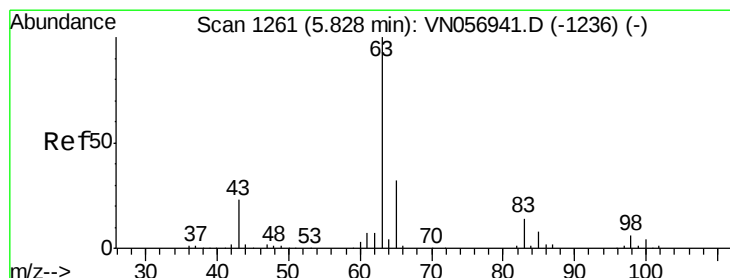
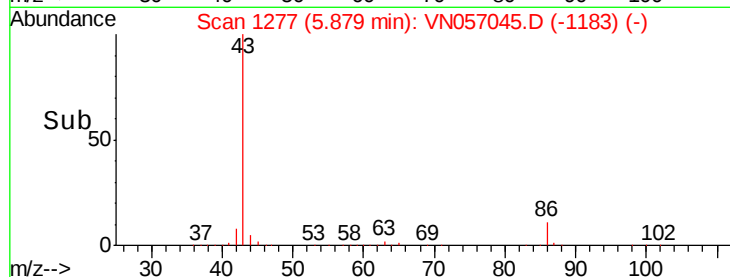
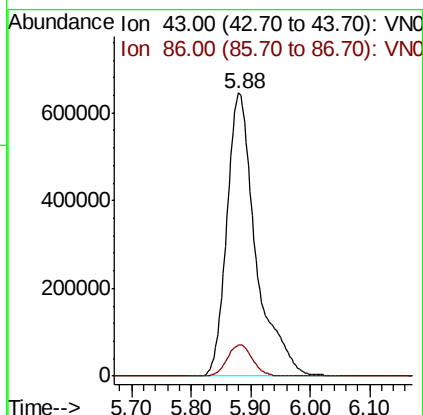
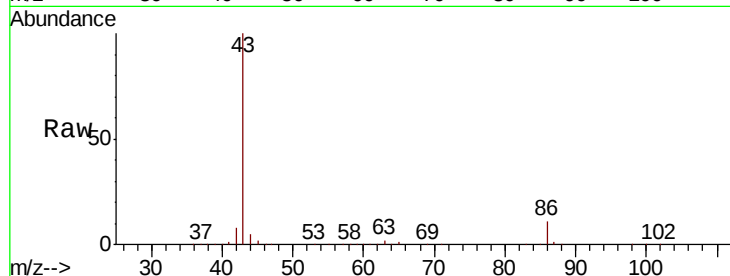




#23
 Vinyl Acetate
 Concen: 243.134 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

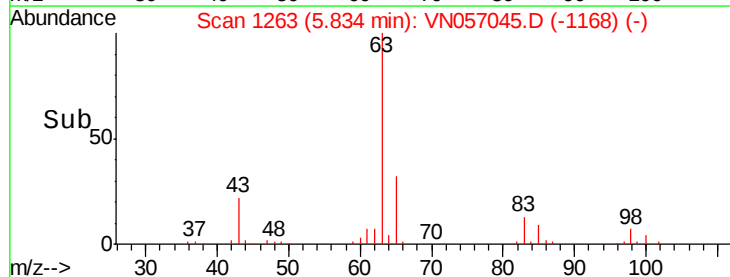
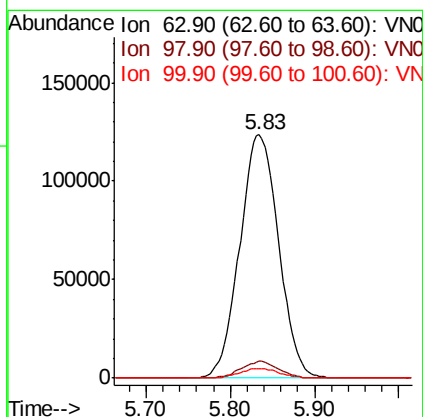
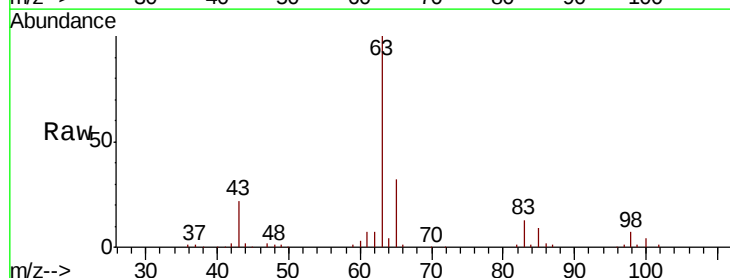
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

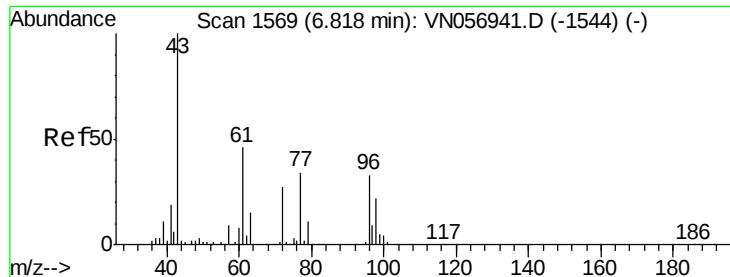
Tot Ion: 43 Resp: 2187296
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 51.586 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 63 Resp: 395188
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.2 9.6
 100 4.0 2.1 6.3

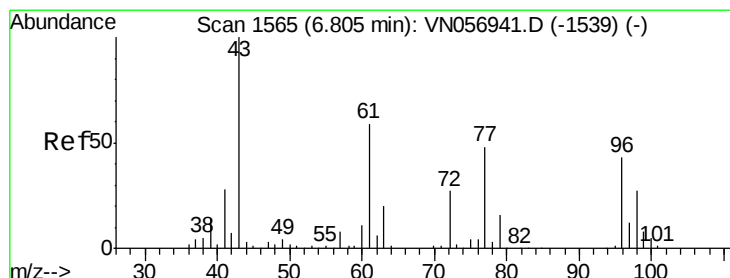
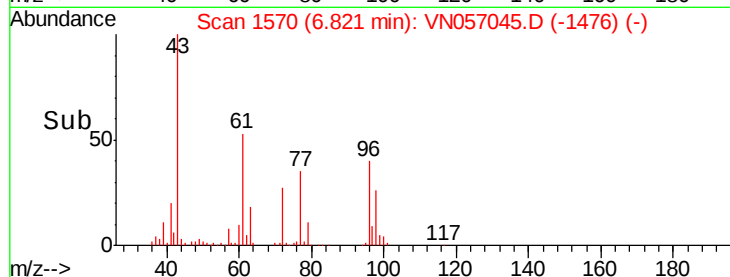
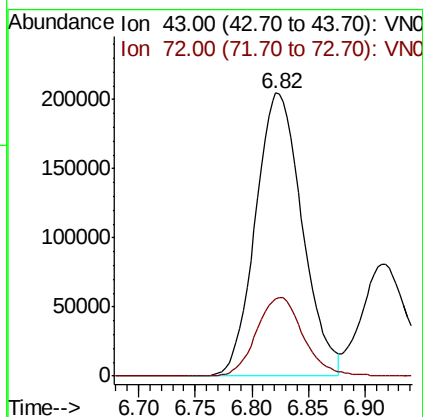
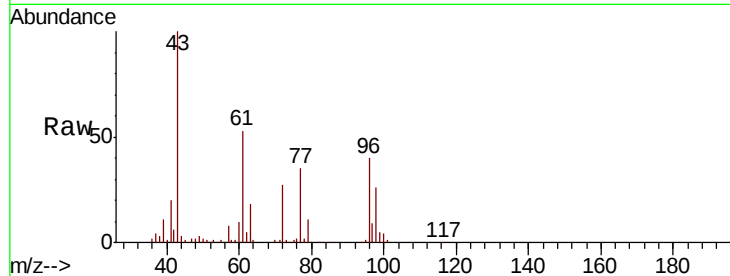




#25
2-Butanone
Concen: 252.279 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

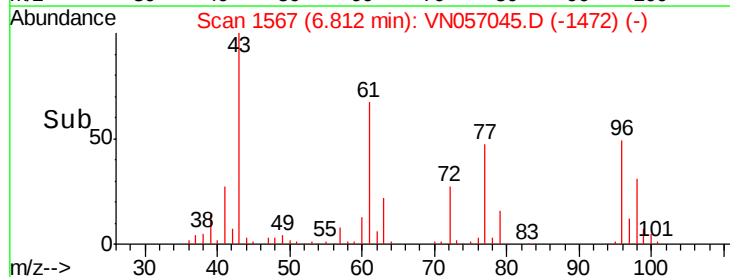
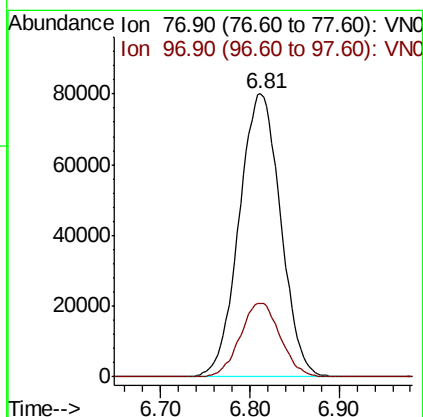
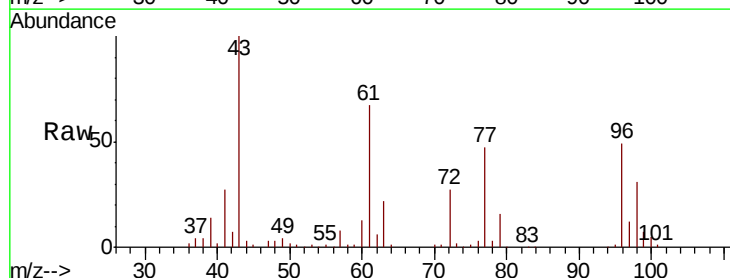
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

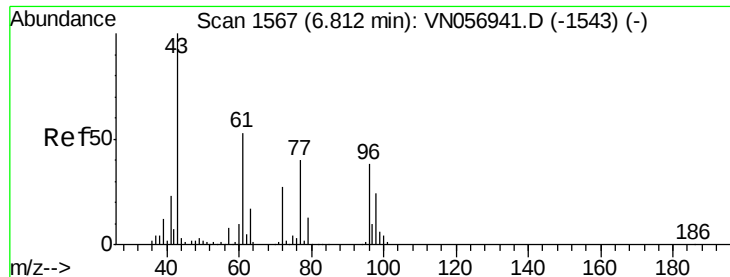
Tot Ion: 43 Resp: 584698
Ion Ratio Lower Upper
43 100
72 27.3 21.5 32.3



#26
2,2-Dichloropropane
Concen: 44.399 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 77 Resp: 258625
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6

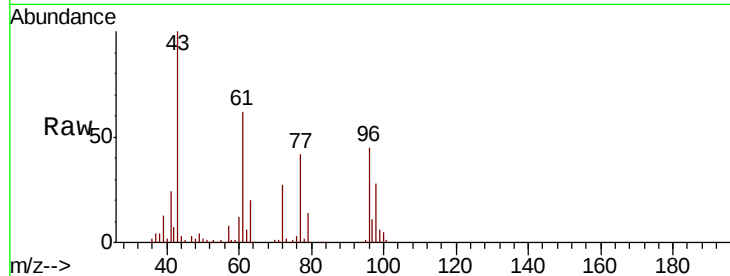




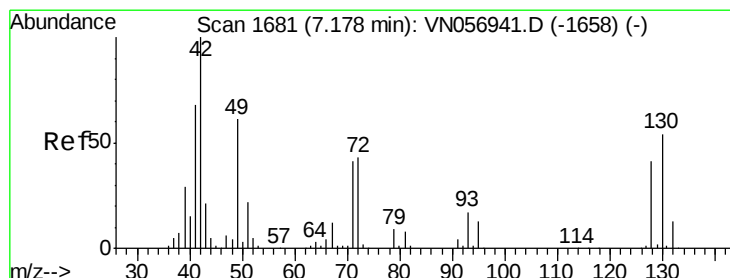
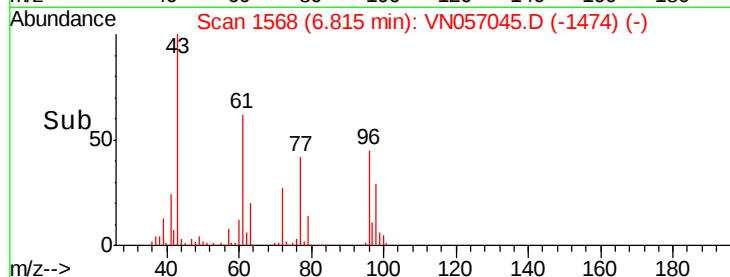
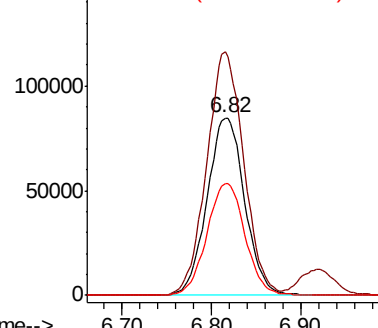
#27
 cis-1,2-Dichloroethene
 Concen: 50.952 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

Tot Ion: 96 Resp: 247949
 Ion Ratio Lower Upper
 96 100
 61 135.2 0.0 277.2
 98 64.0 0.0 128.4

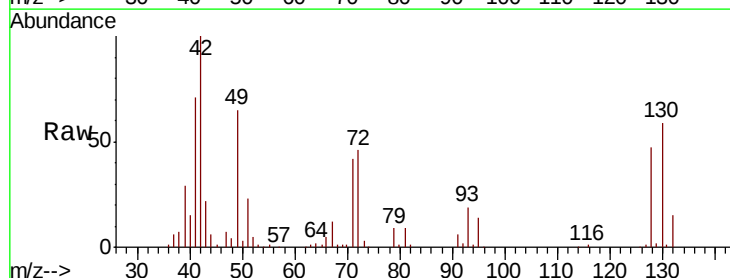


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

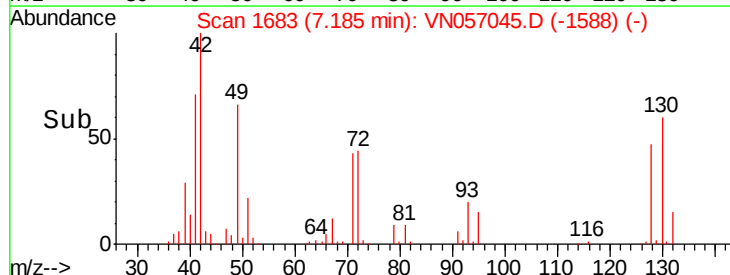
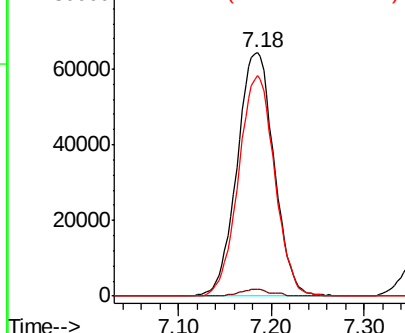


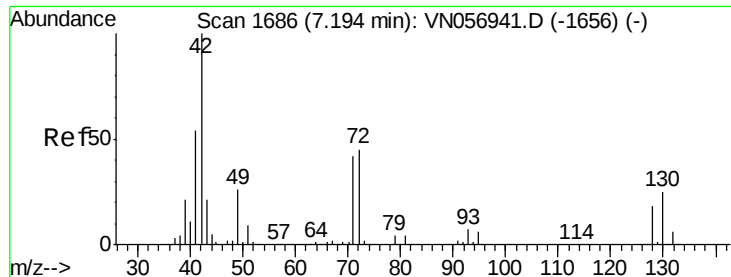
#28
 Bromochloromethane
 Concen: 49.378 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 49 Resp: 177807
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.6
 130 88.5 69.0 103.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

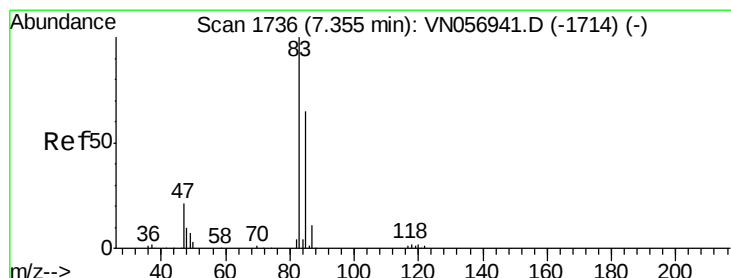
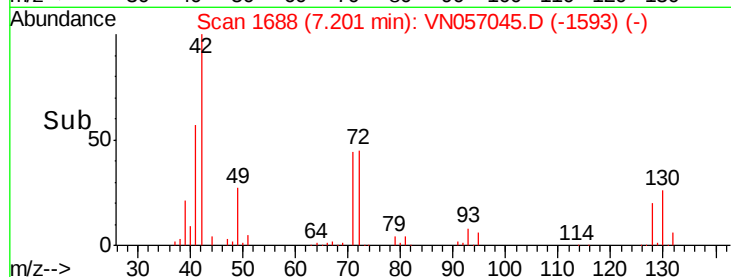
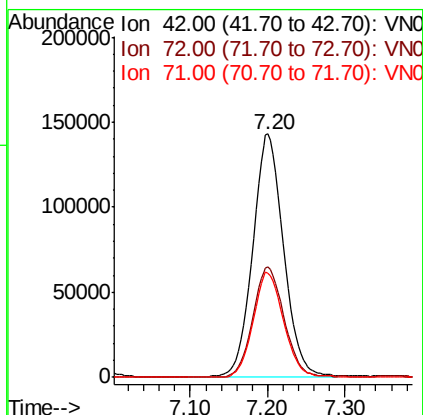
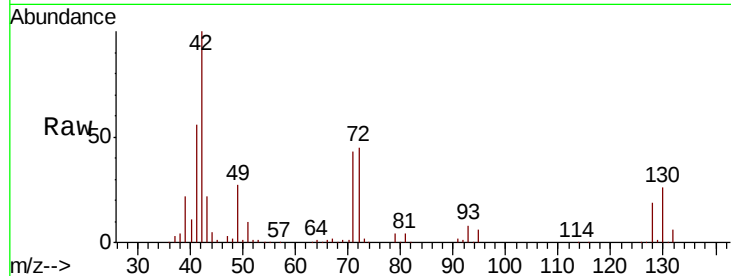




#29
Tetrahydrofuran
Concen: 264.680 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

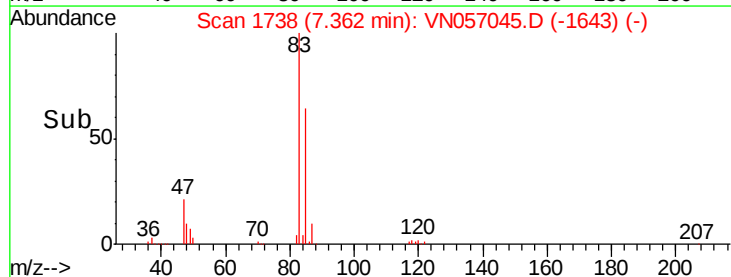
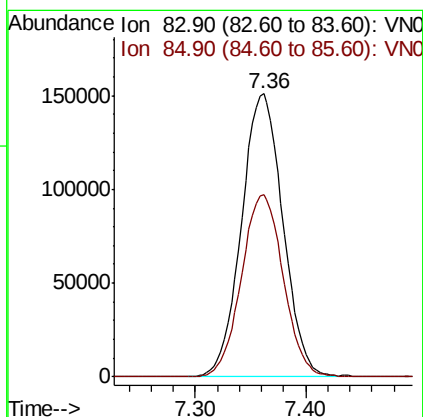
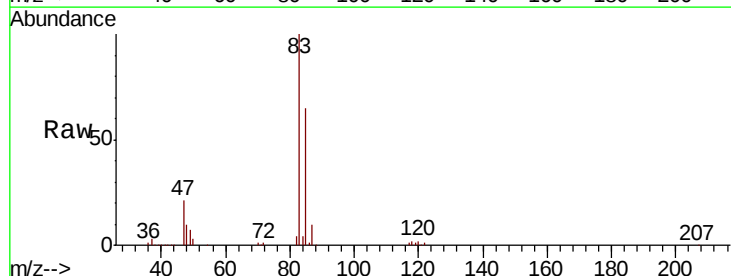
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

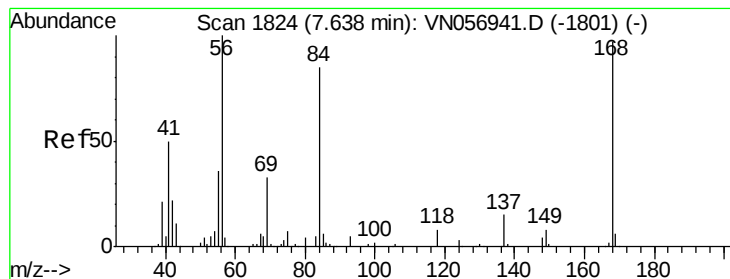
Tot Ion: 42 Resp: 400237
Ion Ratio Lower Upper
42 100
72 45.7 35.6 53.4
71 42.7 33.5 50.3



#30
Chloroform
Concen: 50.242 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 83 Resp: 393530
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2





#31

Cyclohexane

Concen: 45.695 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

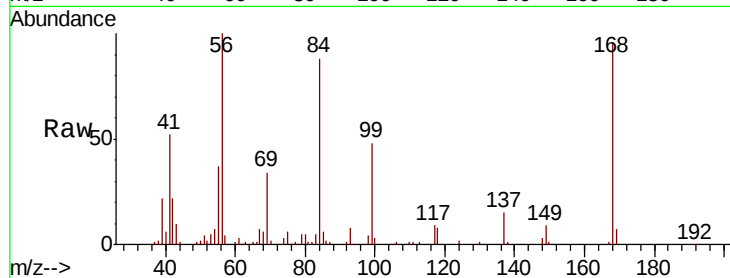
Tot Ion: 56 Resp: 338749

Ion Ratio Lower Upper

56 100

69 33.8 26.2 39.2

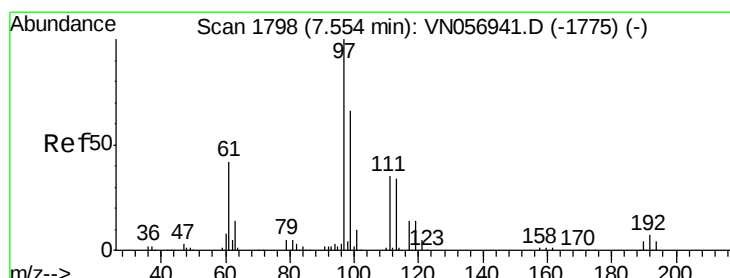
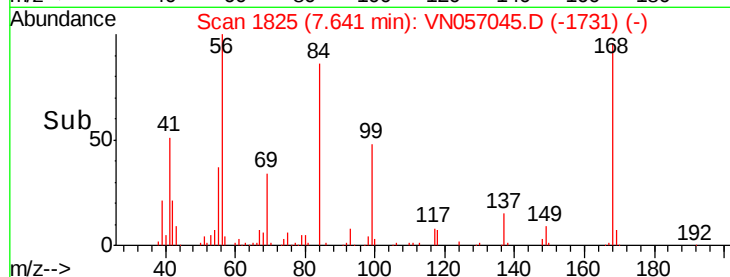
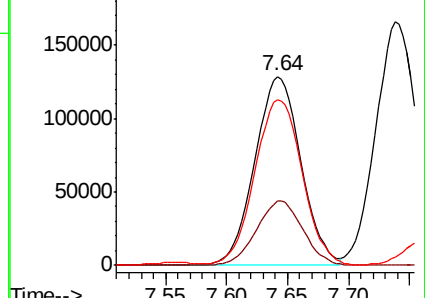
84 86.5 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 53.222 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

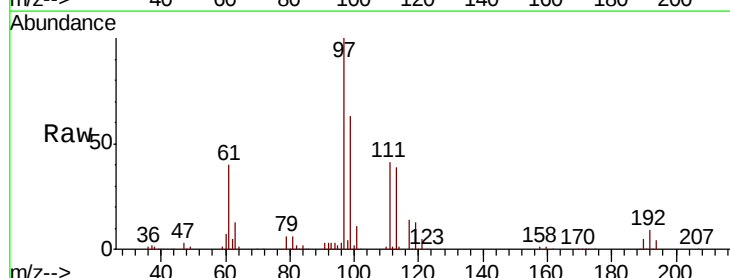
Tgt Ion: 97 Resp: 332615

Ion Ratio Lower Upper

97 100

99 64.0 52.3 78.5

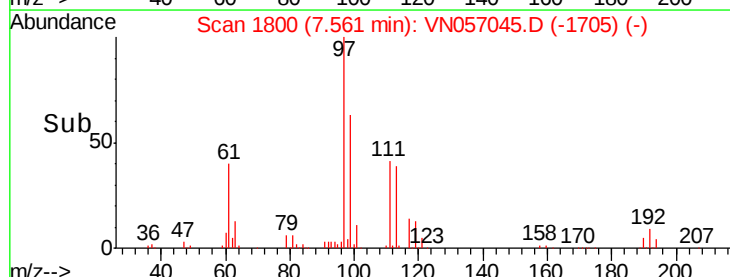
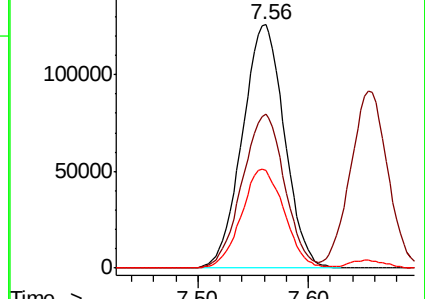
61 41.3 33.9 50.9

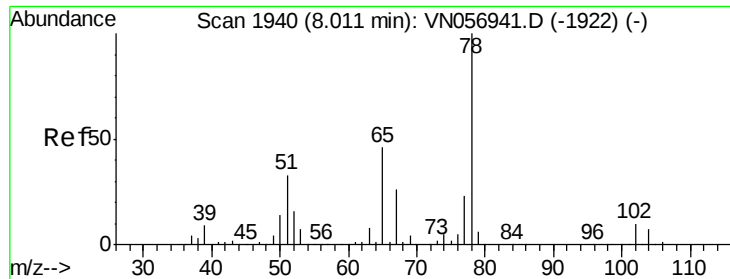


Abundance Ion 96.90 (96.60 to 97.60): VN056941.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-1775) (-)

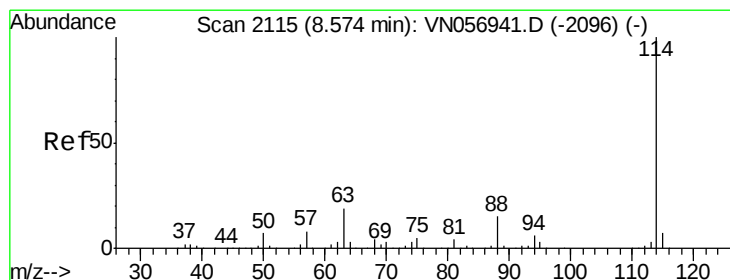
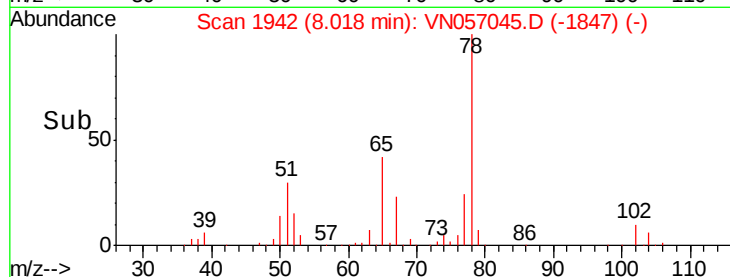
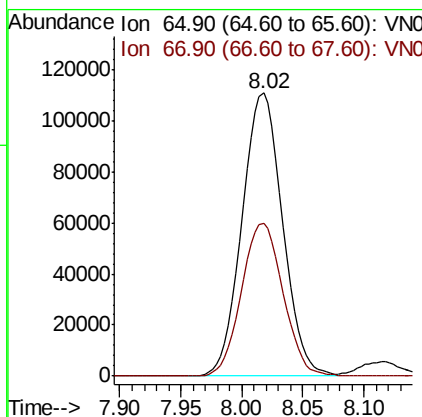
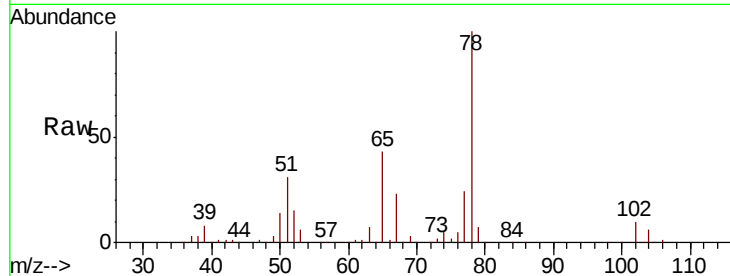




#33
 1,2-Dichloroethane-d4
 Concen: 56.569 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

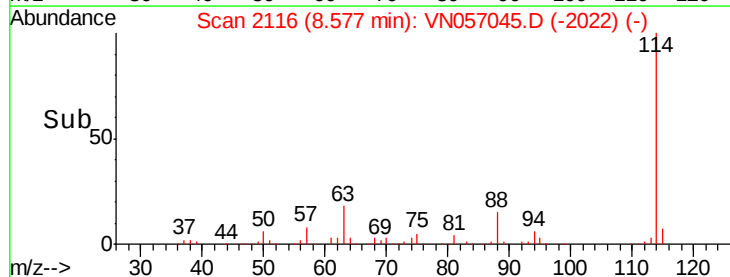
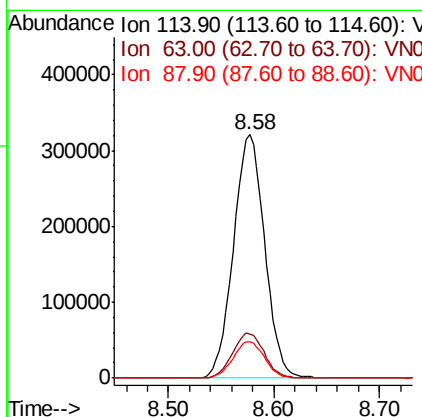
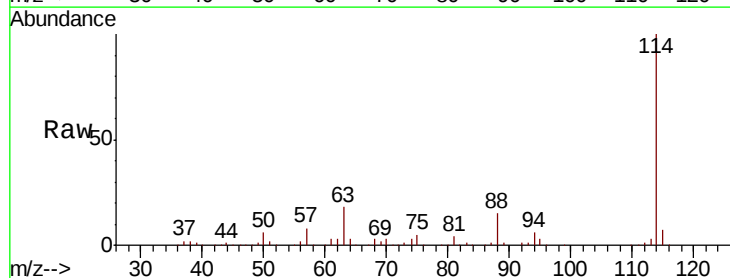
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

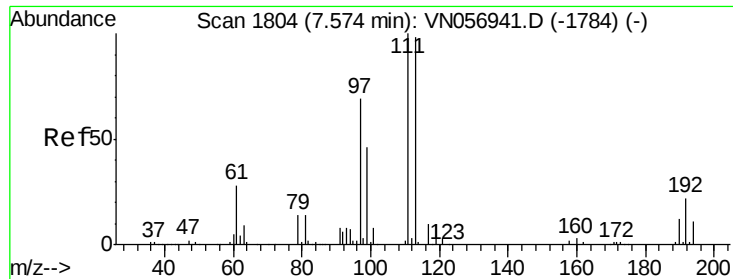
Tot Ion: 65 Resp: 255220
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 114 Resp: 660287
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.0
 88 15.1 0.0 30.0

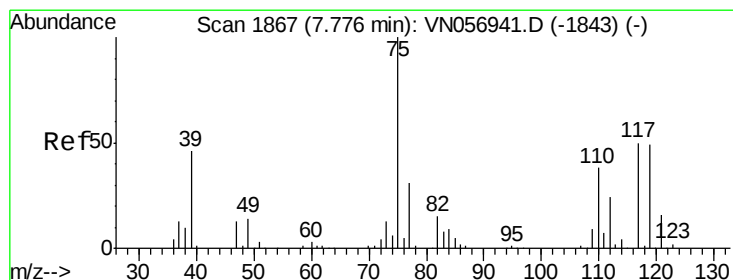
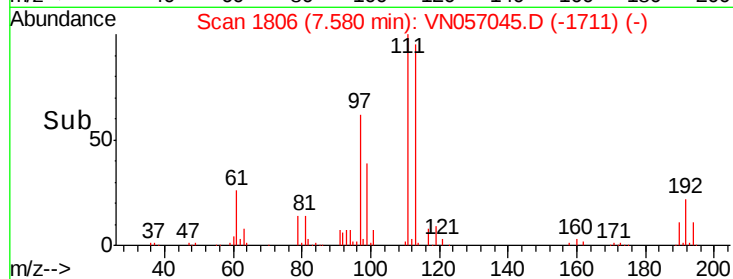
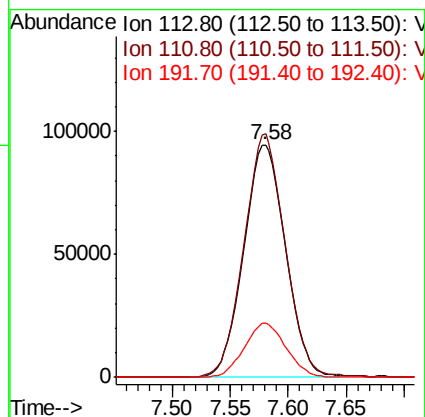
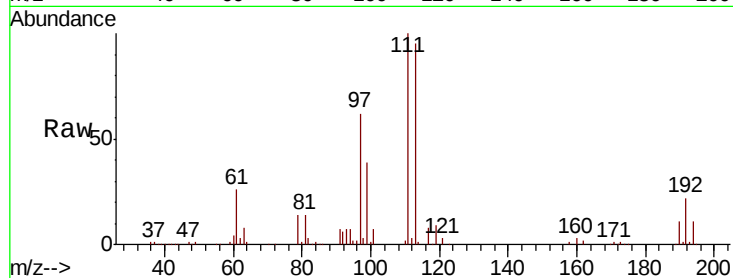




#35
 Dibromofluoromethane
 Concen: 56.179 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

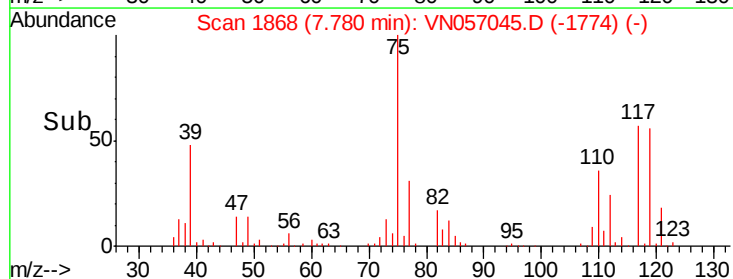
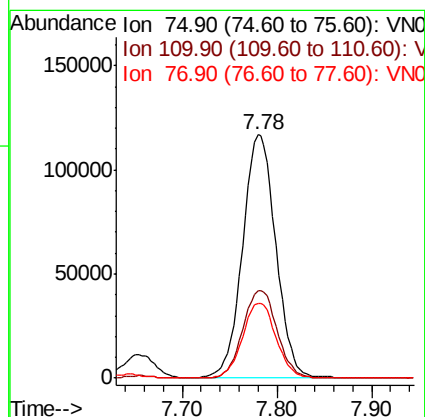
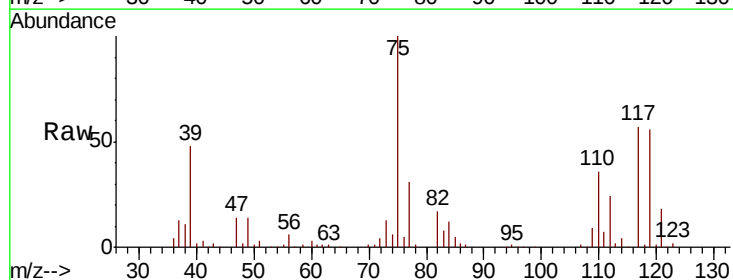
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

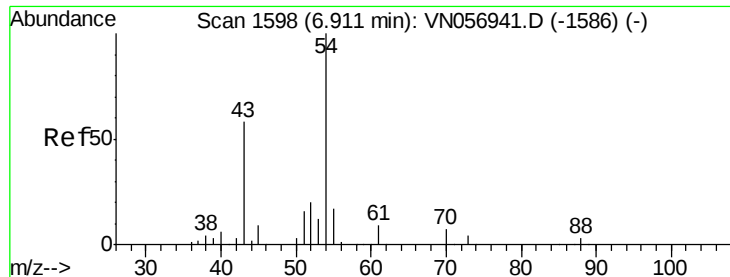
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	23.2	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 48.843 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.3	25.2	37.8

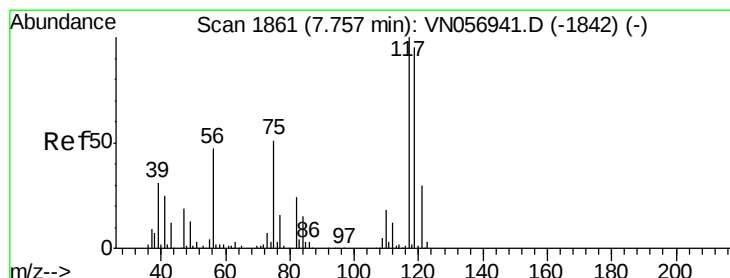
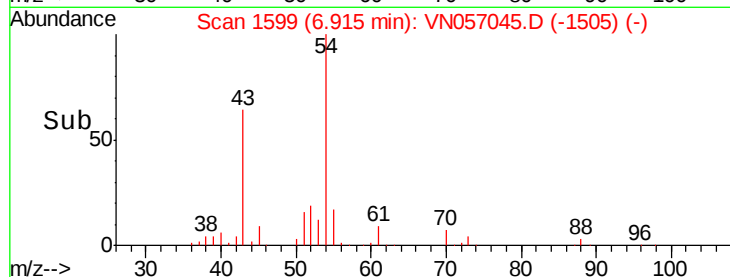
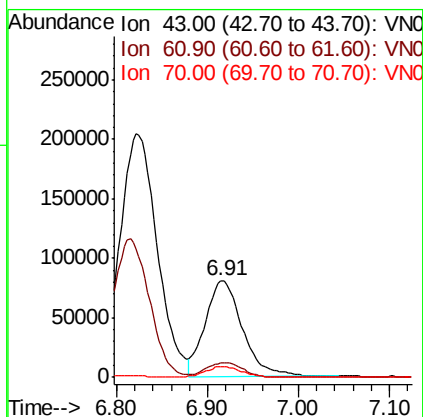
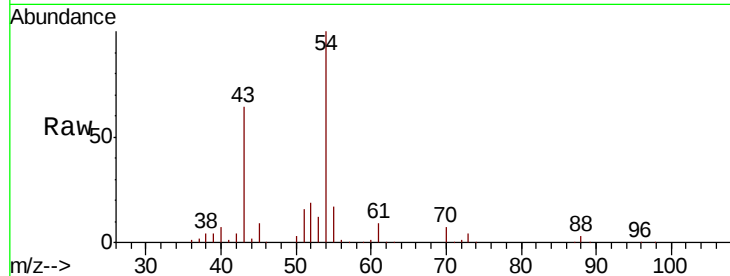




#37
Ethyl Acetate
Concen: 49.264 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

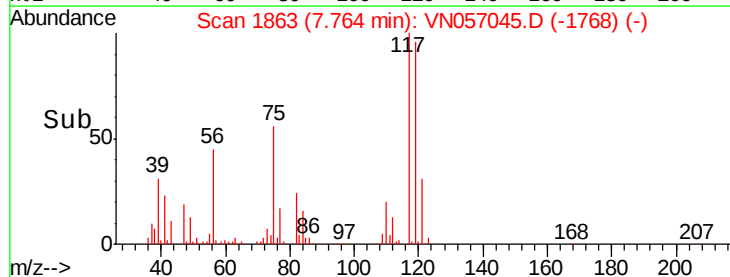
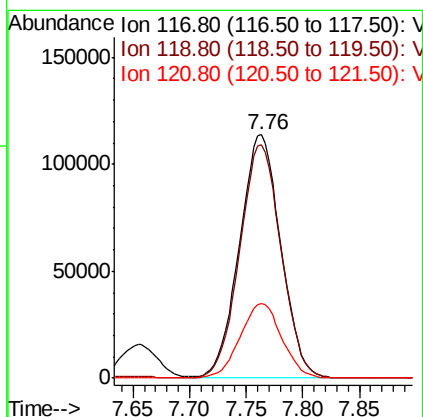
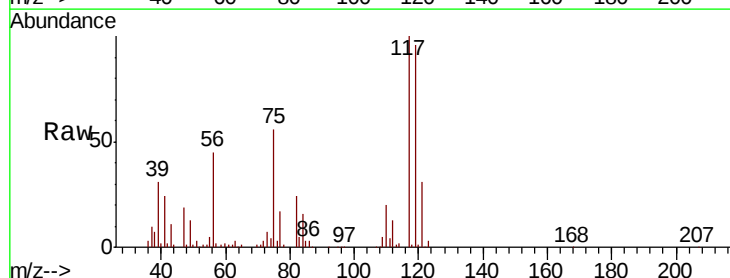
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

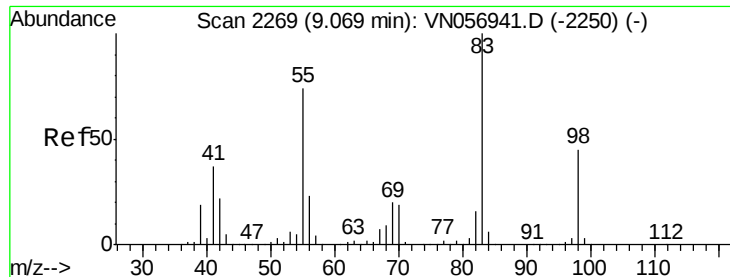
Tot Ion: 43 Resp: 229242
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 52.449 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 117 Resp: 288250
Ion Ratio Lower Upper
117 100
119 96.0 75.3 112.9
121 30.7 24.2 36.4

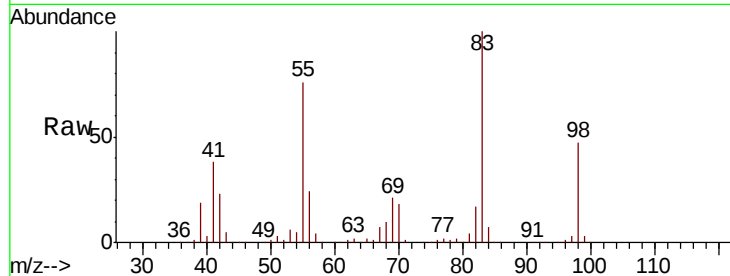




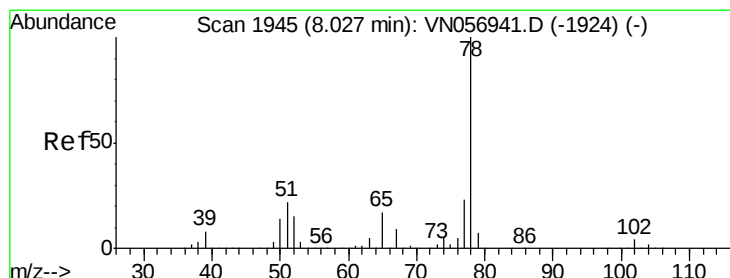
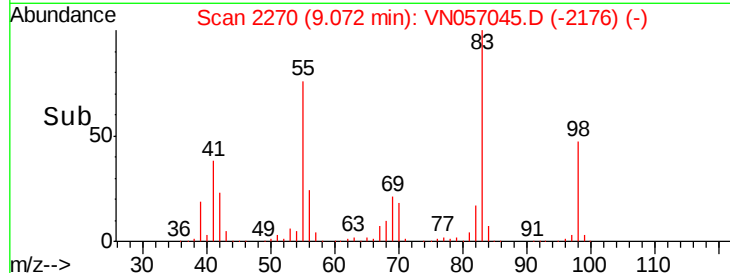
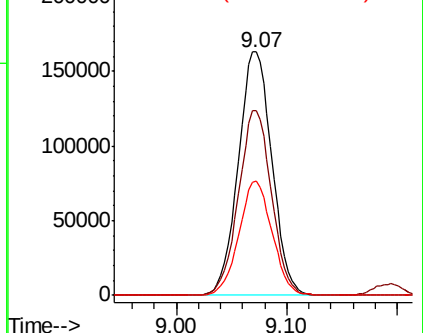
#39
Methvlcvclohexane
Concen: 46.358 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

Tot Ion: 83 Resp: 344241
Ion Ratio Lower Upper
83 100
55 75.9 59.0 88.6
98 46.8 36.2 54.4

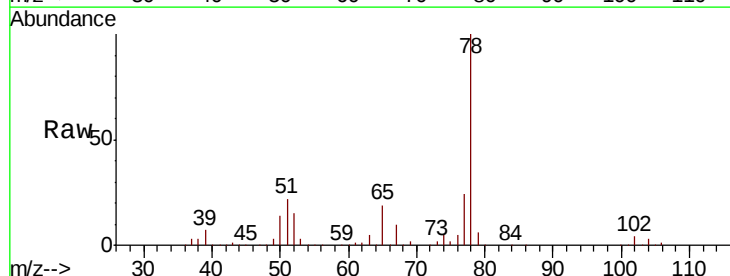


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

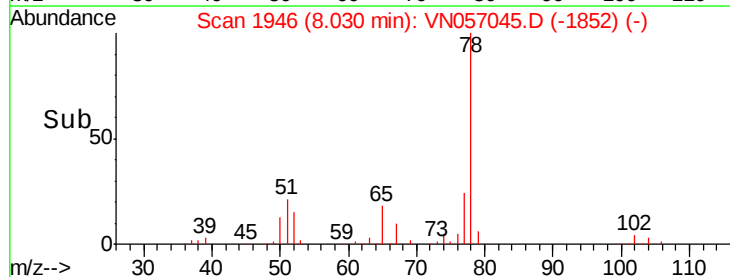
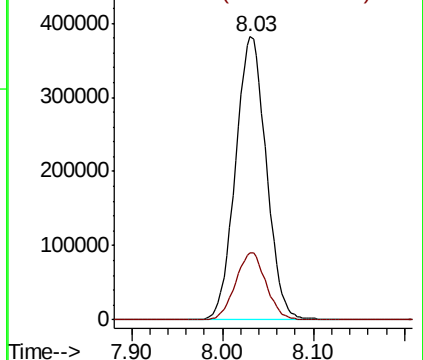


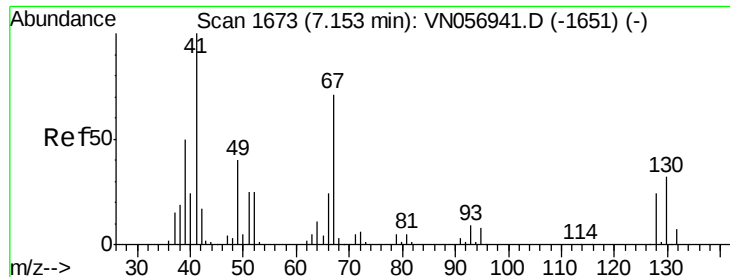
#40
Benzene
Concen: 50.141 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 78 Resp: 897283
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

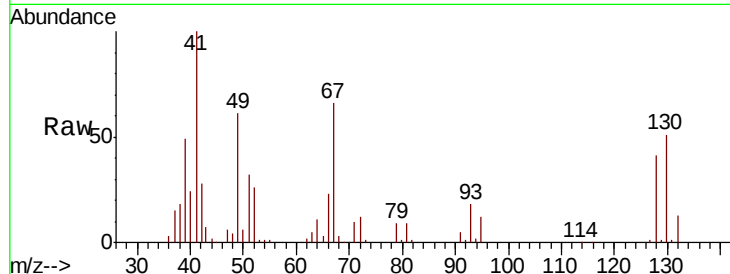




#41
Methacrylonitrile
Concen: 48.367 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

Tot Ion:	41	Resp:	104046
Ion	Ratio	Lower	Upper
41	100		
39	73.2	48.9	73.3
67	102.9	83.4	125.0
52	40.8	30.9	46.3



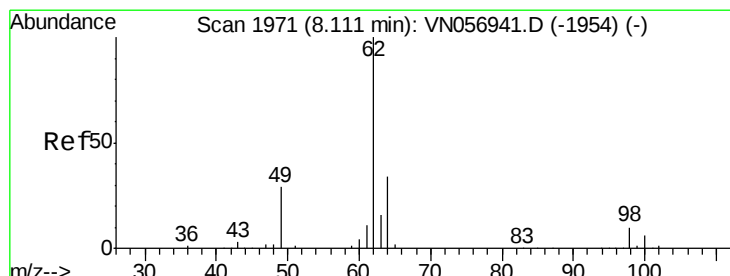
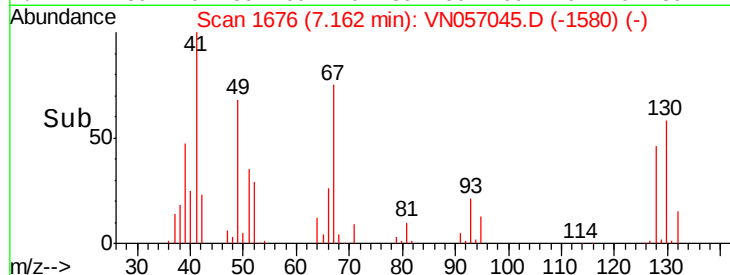
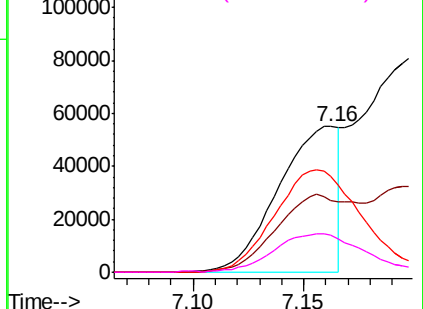
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

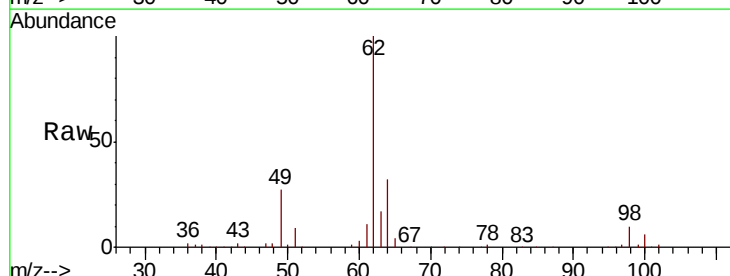
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 51.561 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

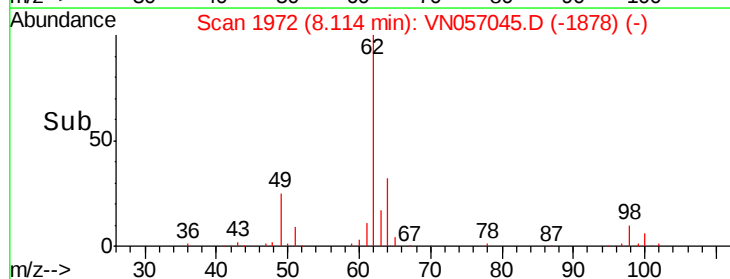
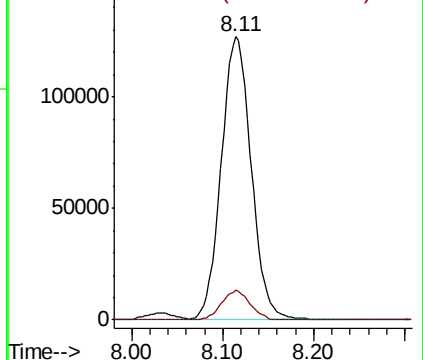
Tgt Ion:	62	Resp:	289180
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6

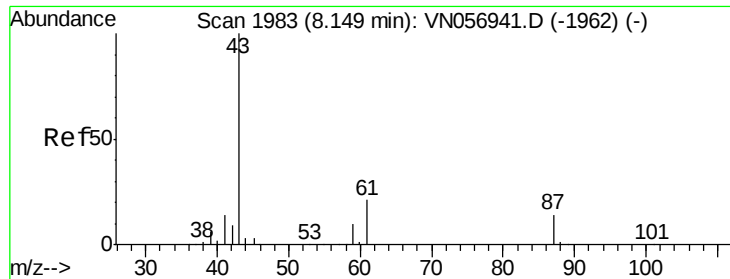


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.002 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

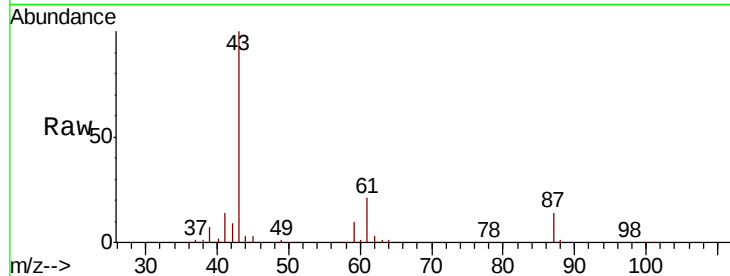
Tot Ion: 43 Resp: 384571

Ion Ratio Lower Upper

43 100

61 29.1 23.0 34.6

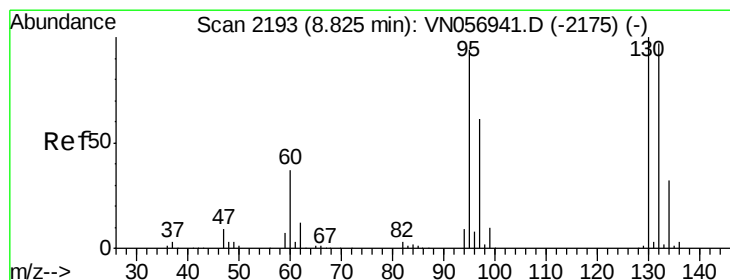
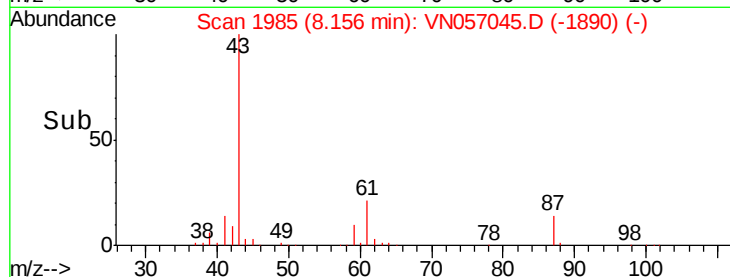
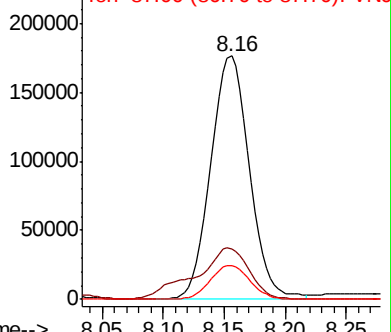
87 14.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 50.474 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057045.D

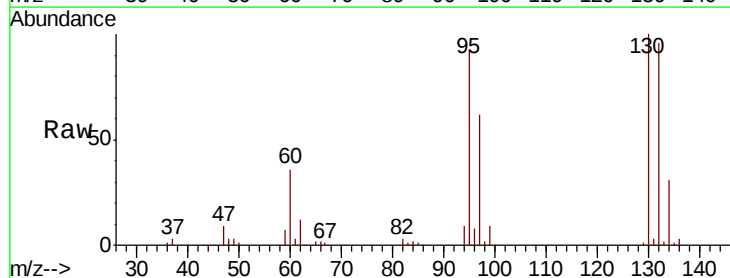
Acq: 1 Aug 2019 18:17

Tgt Ion:130 Resp: 248844

Ion Ratio Lower Upper

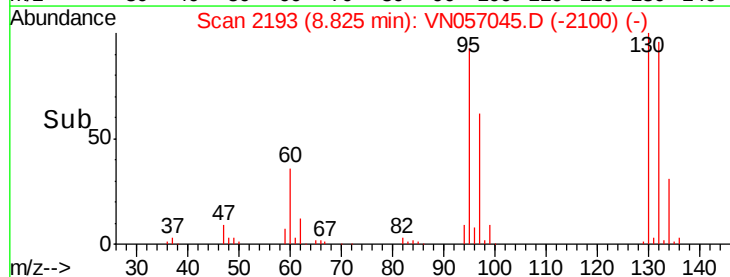
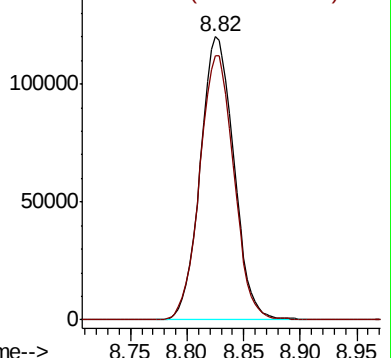
130 100

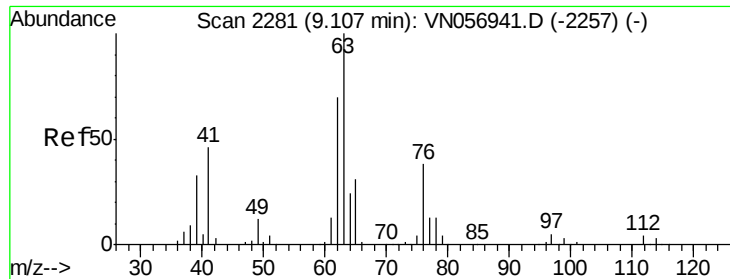
95 93.2 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

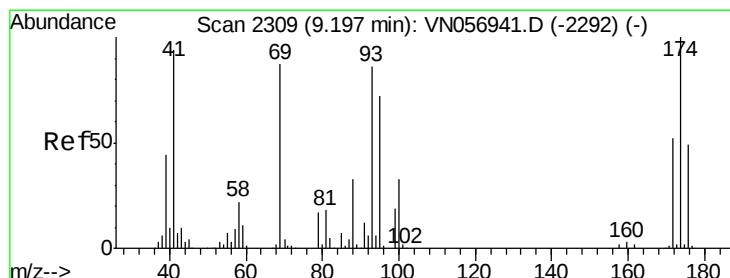
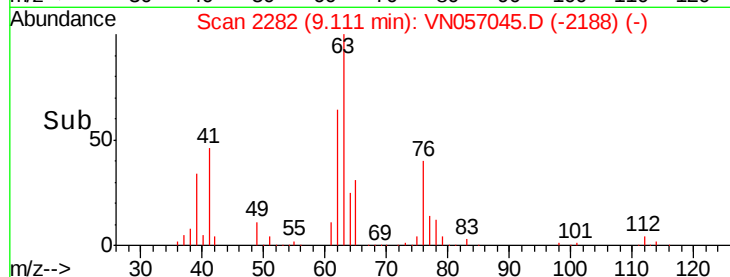
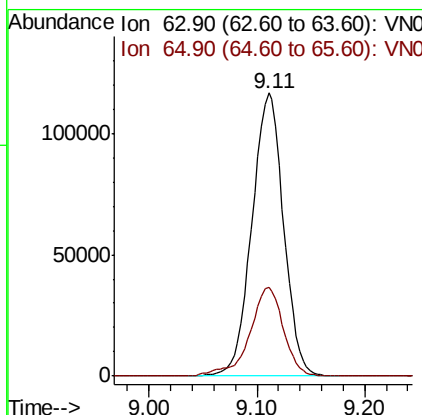
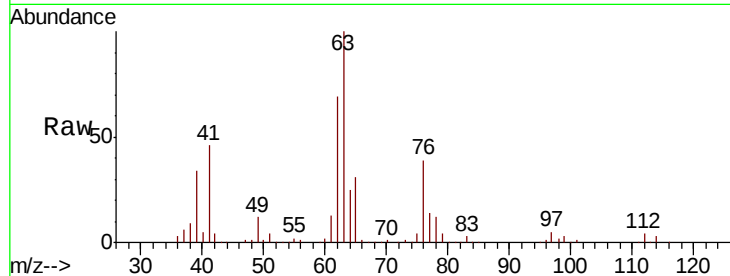




#45
 1,2-Dichloropropane
 Concen: 49.665 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

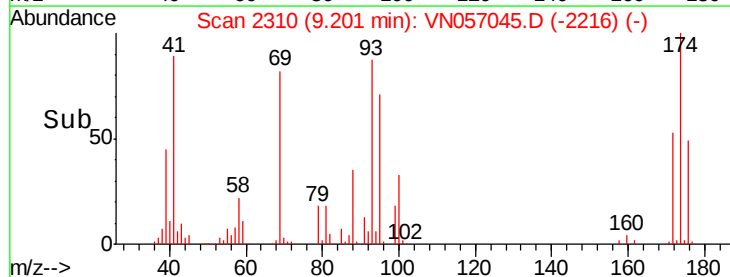
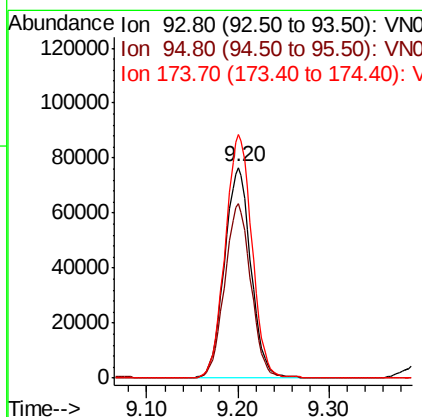
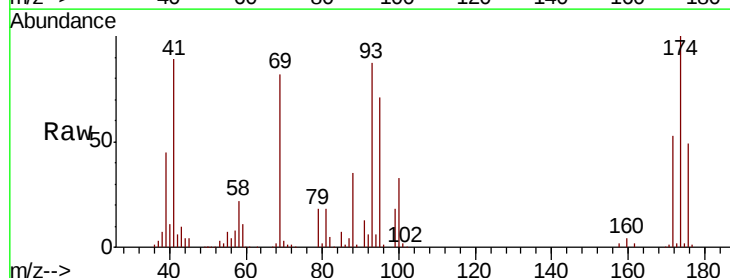
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

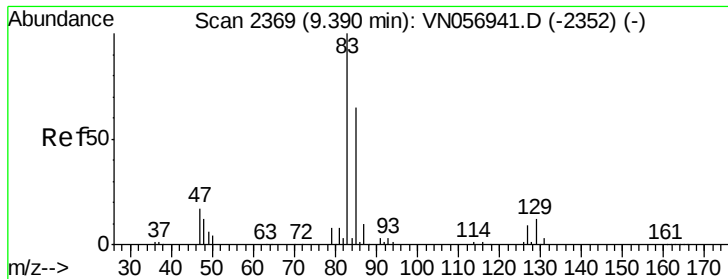
Tot Ion: 63 Resp: 237724
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 53.529 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 93 Resp: 154520
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 116.7 92.7 139.1





#47

Bromodichloromethane

Concen: 52.302 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

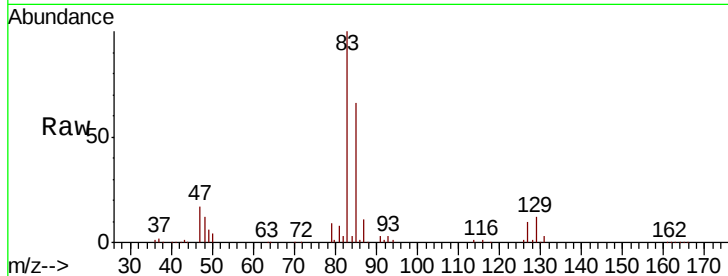
Tot Ion: 83 Resp: 296838

Ion Ratio Lower Upper

83 100

85 65.8 51.6 77.4

127 9.5 7.3 10.9

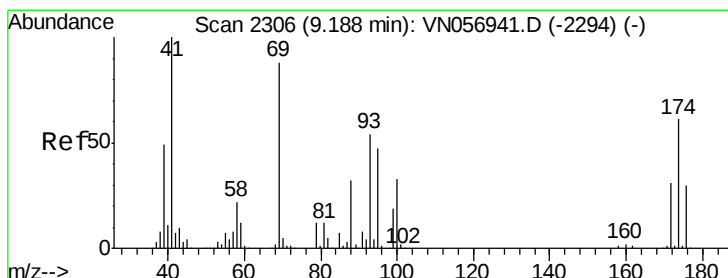
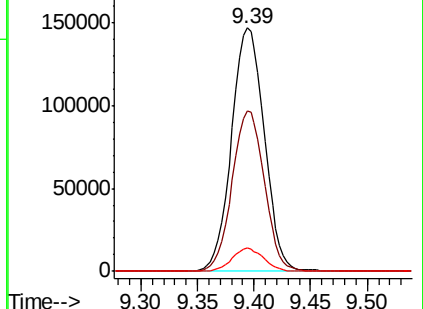
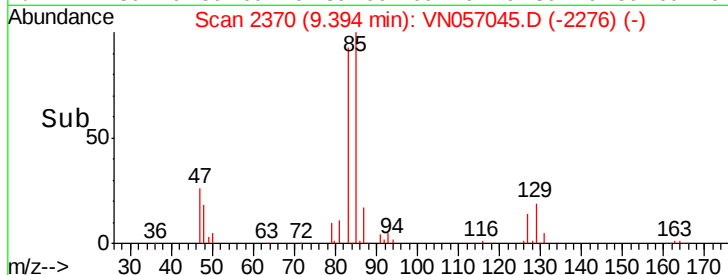


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)

Time-->



#48

Methyl methacrylate

Concen: 52.669 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

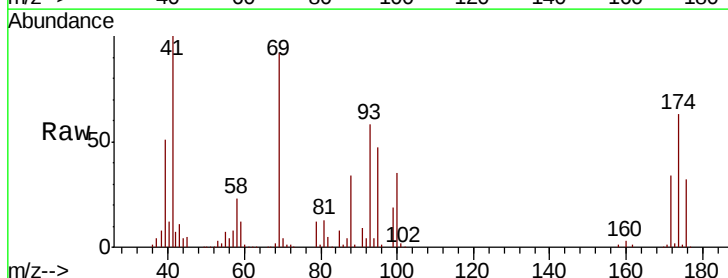
Tgt Ion: 41 Resp: 195575

Ion Ratio Lower Upper

41 100

69 94.8 73.4 110.0

39 51.5 39.9 59.9

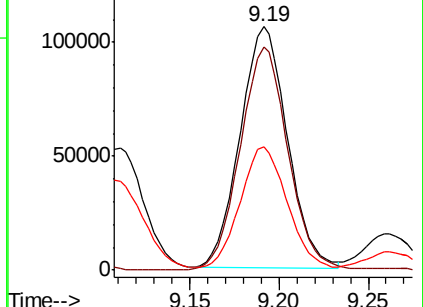
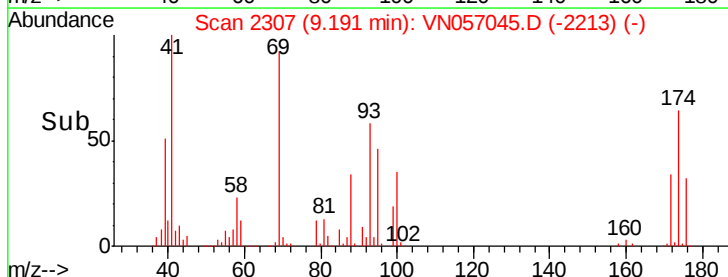


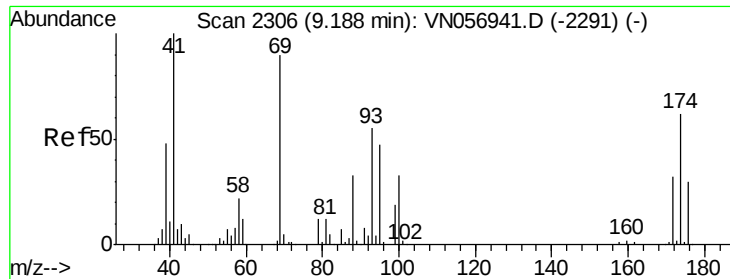
Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

Time-->





#49

1,4-Dioxane

Concen: 1086.459 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

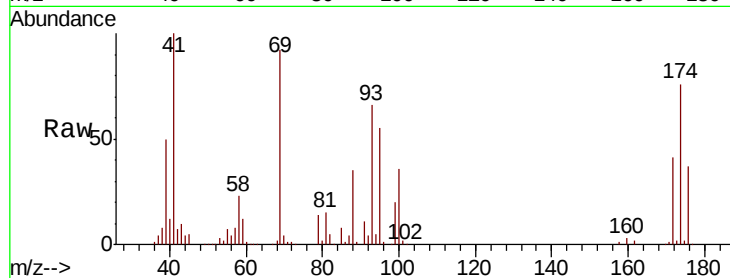
Tot Ion: 88 Resp: 83139

Ion Ratio Lower Upper

88 100

43 26.8 22.2 33.2

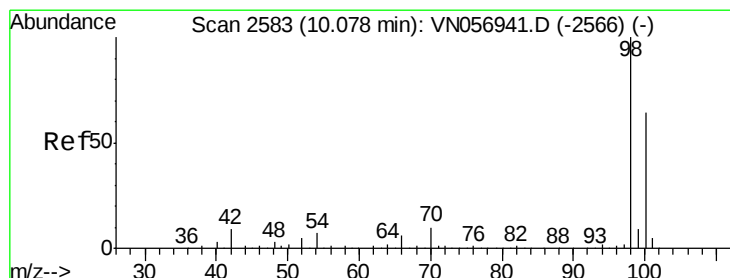
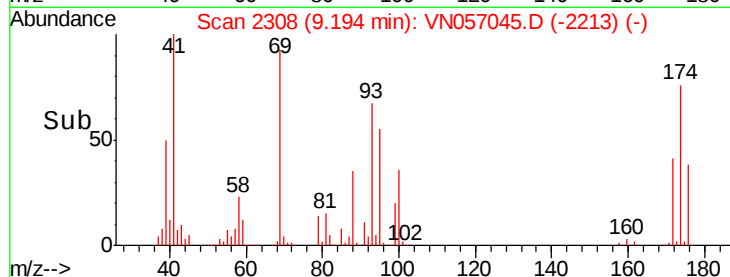
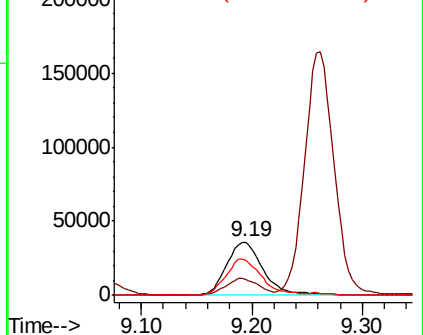
58 66.0 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VN056941.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN056941.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2291) (-)



#50

Toluene-d8

Concen: 54.744 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057045.D

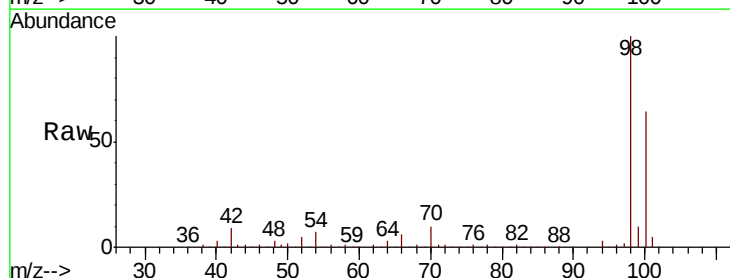
Acq: 1 Aug 2019 18:17

Tgt Ion: 98 Resp: 882429

Ion Ratio Lower Upper

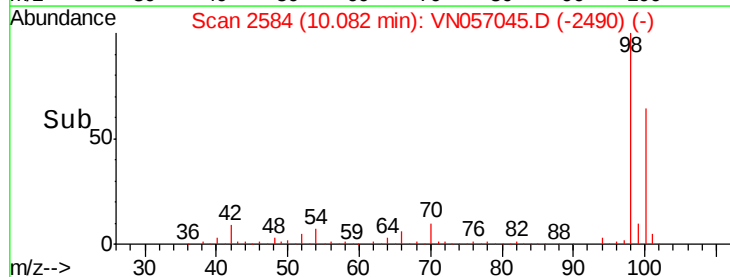
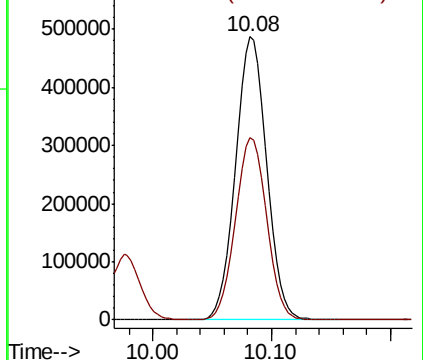
98 100

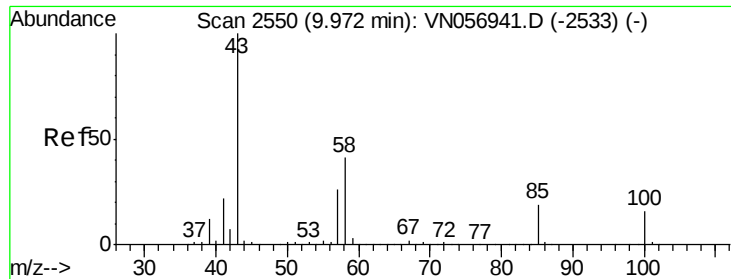
100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)





#51

4-Methyl-2-Pentanone

Concen: 262.970 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

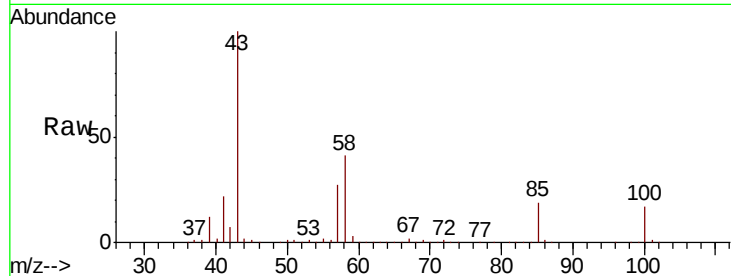
BP-VPB203-GW-498-500MS

Tot Ion: 43 Resp: 1201726

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

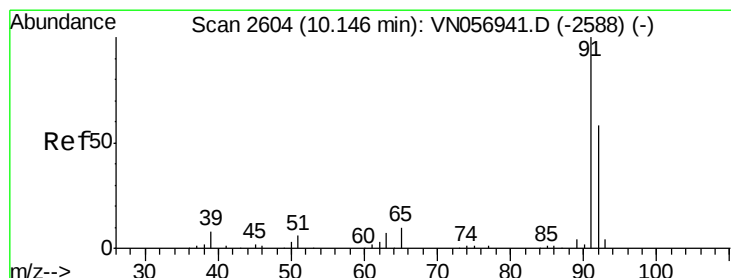
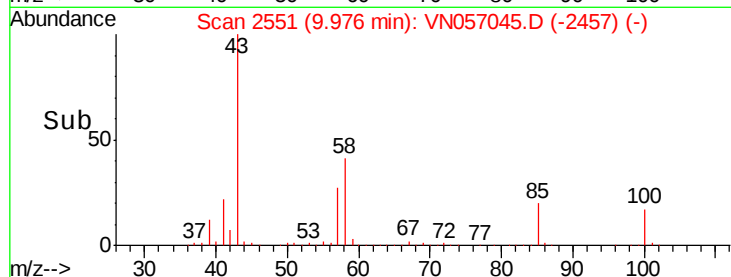
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.170 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057045.D

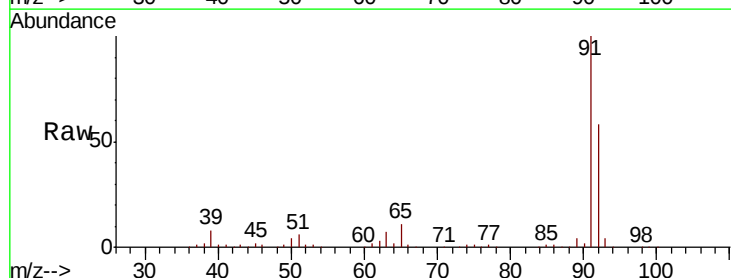
Acq: 1 Aug 2019 18:17

Tgt Ion: 92 Resp: 550158

Ion Ratio Lower Upper

92 100

91 174.0 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

600000

500000

400000

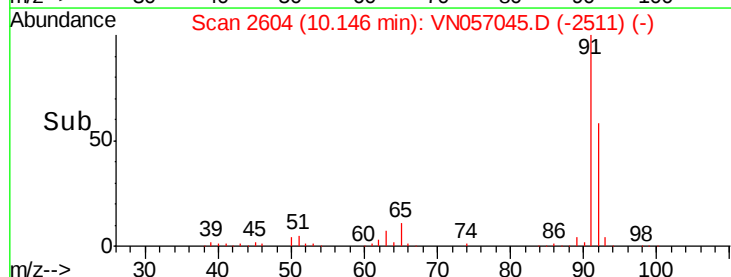
300000

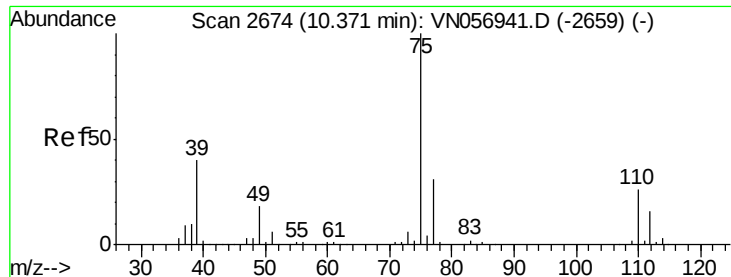
200000

100000

0

Time-->

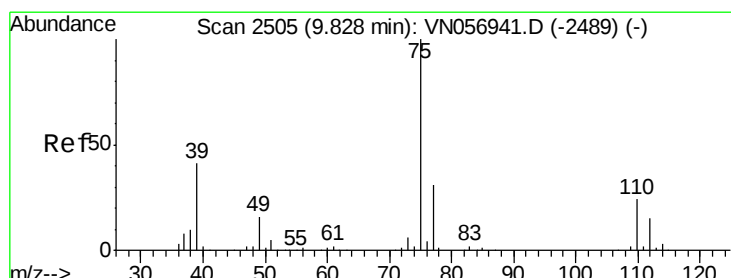
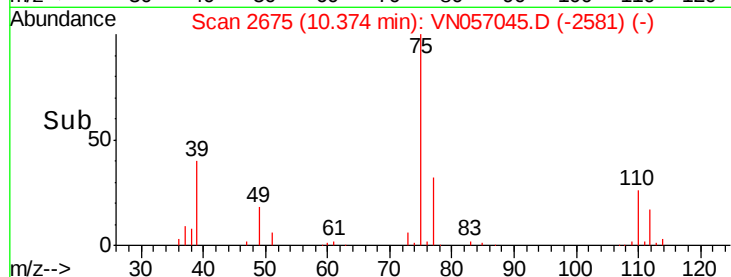
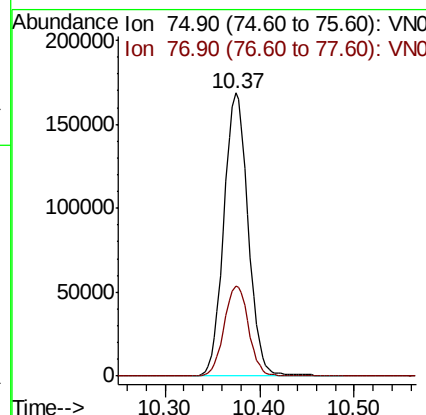
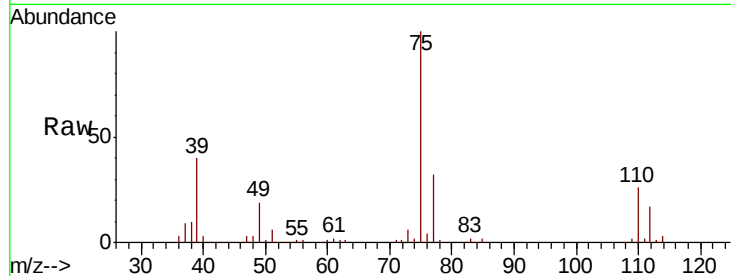




#53
t-1,3-Dichloropropene
Concen: 51.155 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

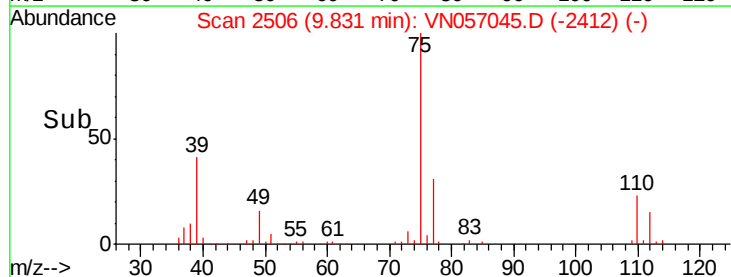
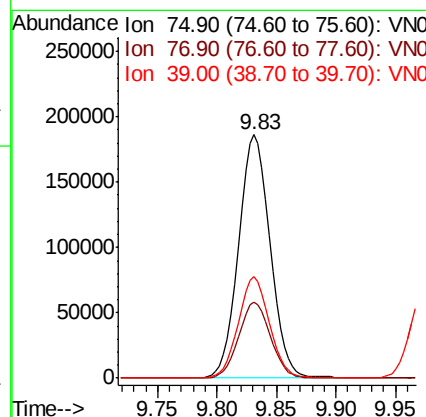
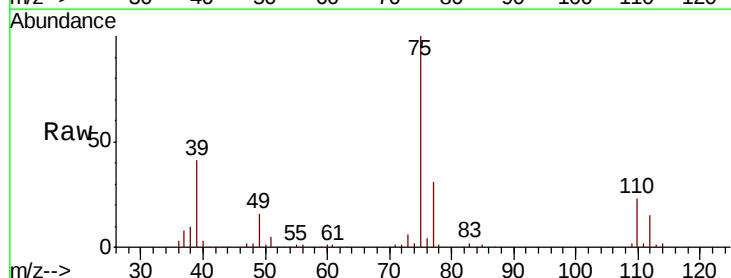
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

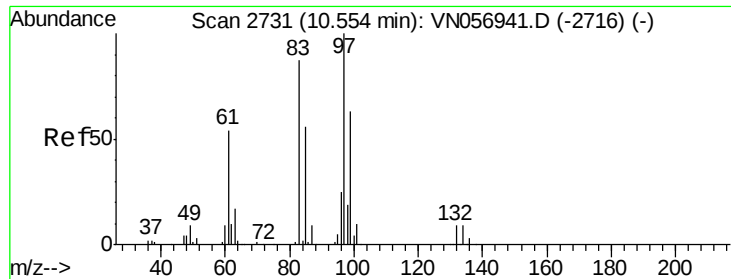
Tot Ion: 75 Resp: 301279
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 50.080 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 75 Resp: 342936
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 41.4 32.6 49.0

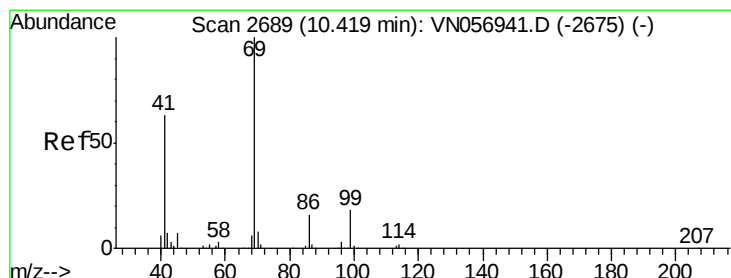
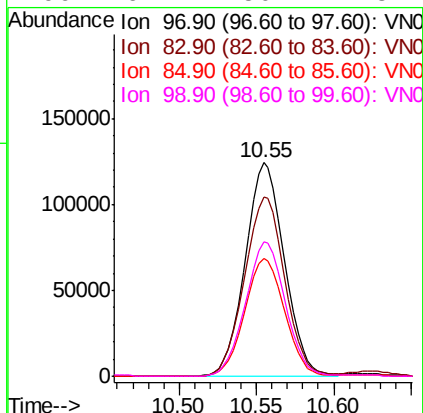
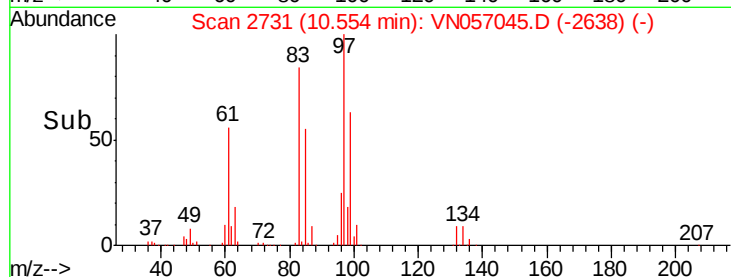
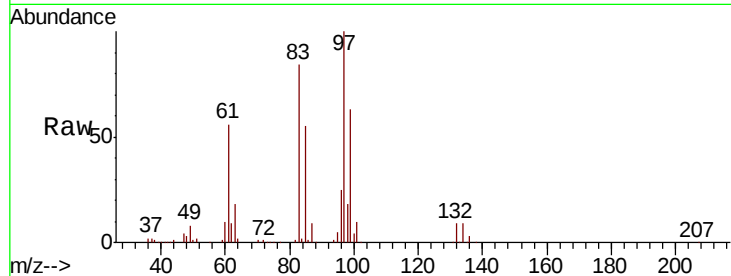




#55
 1,1,2-Trichloroethane
 Concen: 50.895 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

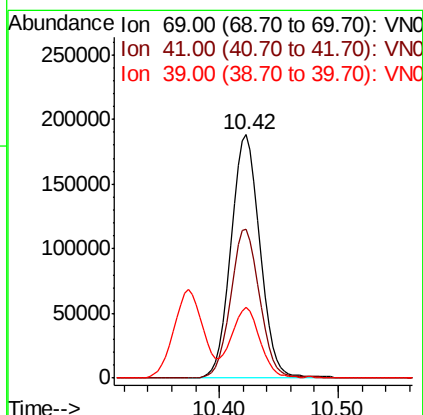
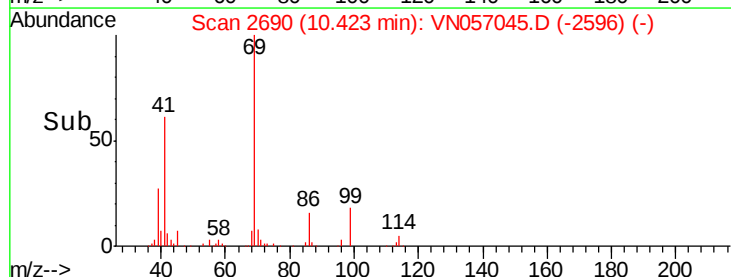
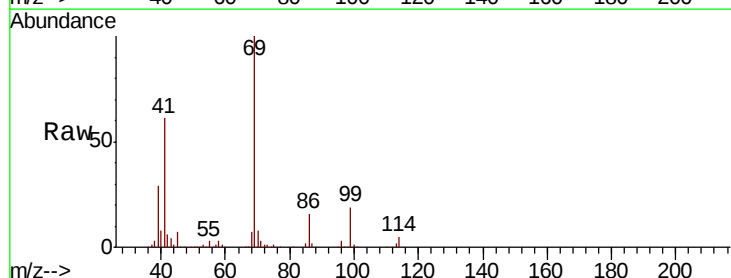
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

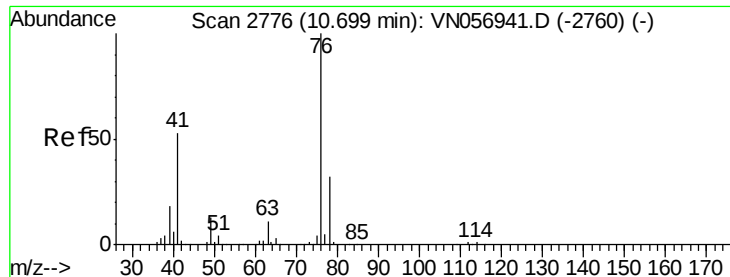
Tot Ion: 97 Resp: 219448
 Ion Ratio Lower Upper
 97 100
 83 83.9 69.4 104.0
 85 55.1 44.7 67.1
 99 62.7 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 49.020 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 69 Resp: 318963
 Ion Ratio Lower Upper
 69 100
 41 60.5 49.2 73.8
 39 27.9 23.1 34.7





#57

1,3-Dichloropropane

Concen: 51.501 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

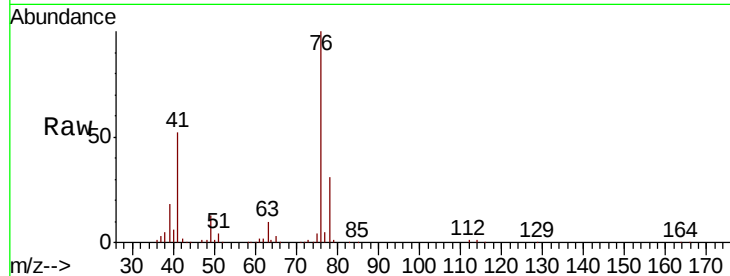
BP-VPB203-GW-498-500MS

Tot Ion: 76 Resp: 368226

Ion Ratio Lower Upper

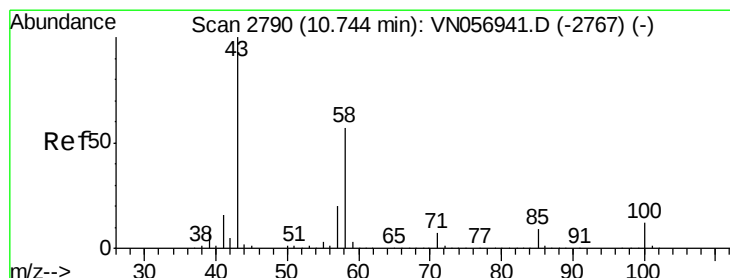
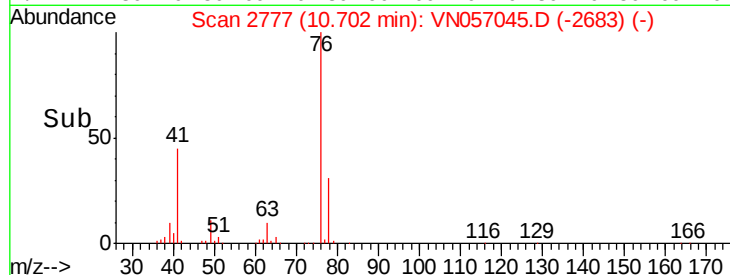
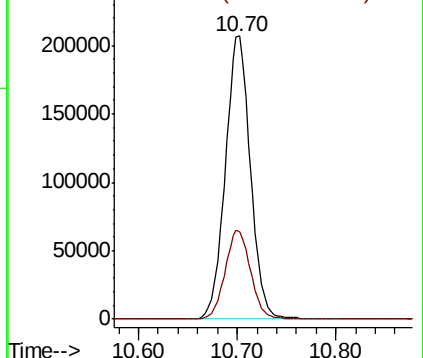
76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 240.843 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN057045.D

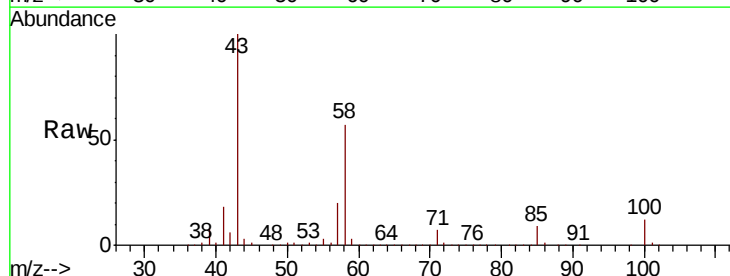
Acq: 1 Aug 2019 18:17

Tgt Ion: 43 Resp: 847248

Ion Ratio Lower Upper

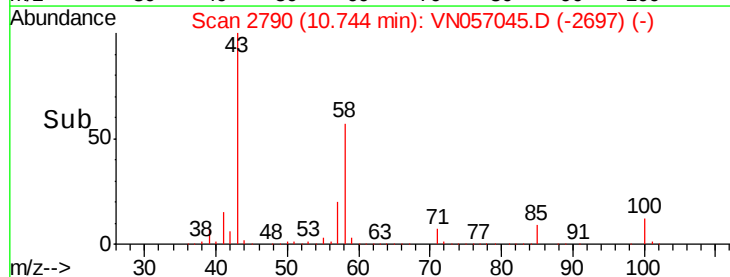
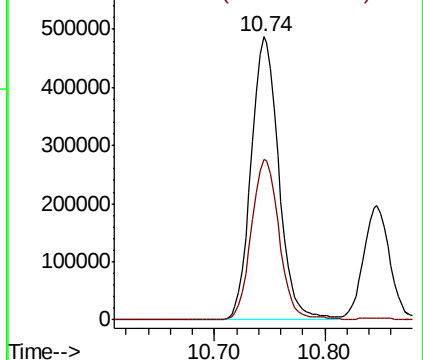
43 100

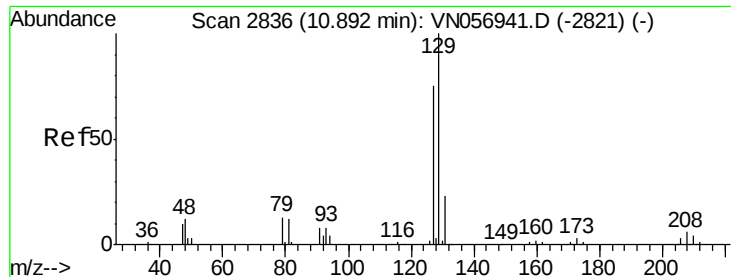
58 57.3 28.5 85.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 54.179 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

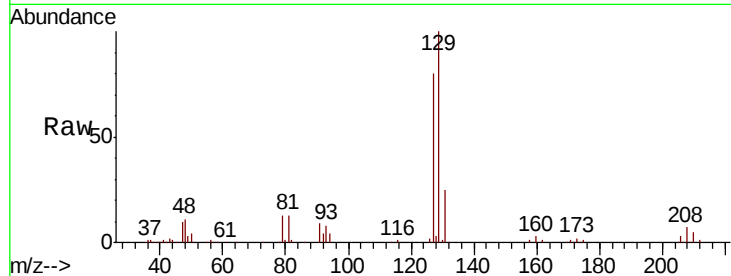
BP-VPB203-GW-498-500MS

Tot Ion:129 Resp: 239332

Ion Ratio Lower Upper

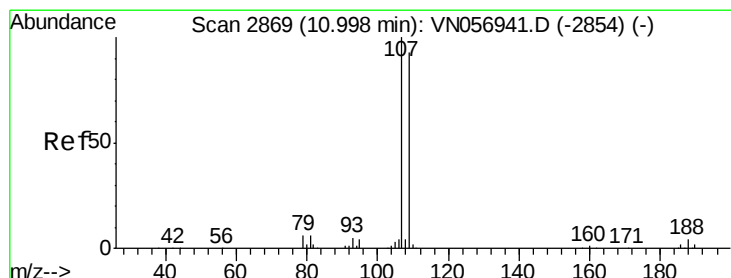
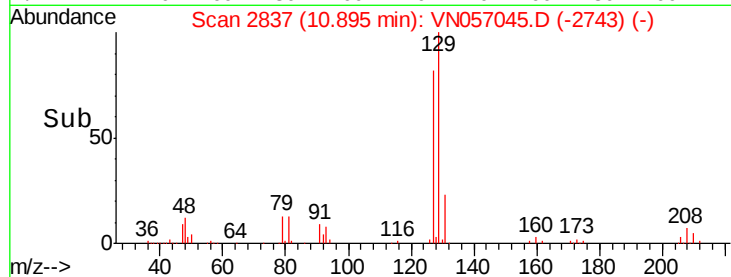
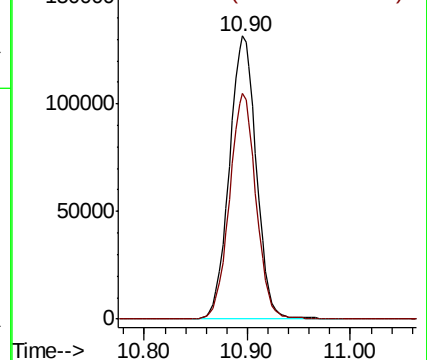
129 100

127 78.2 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.903 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN057045.D

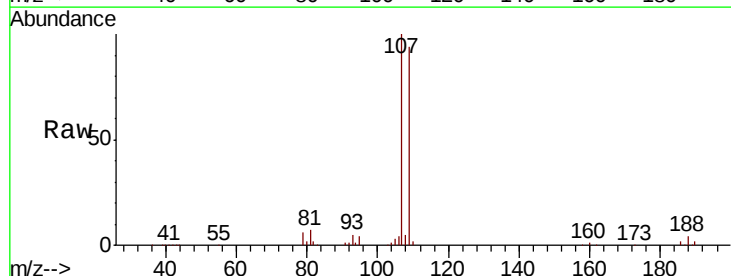
Acq: 1 Aug 2019 18:17

Tgt Ion:107 Resp: 231019

Ion Ratio Lower Upper

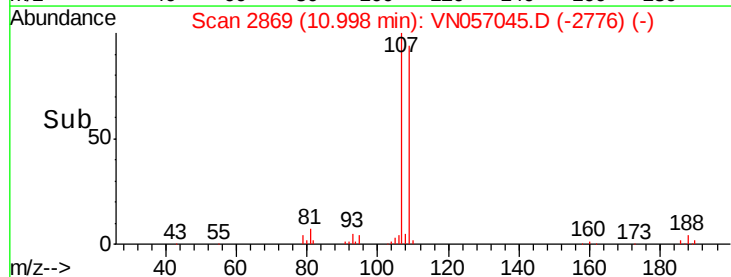
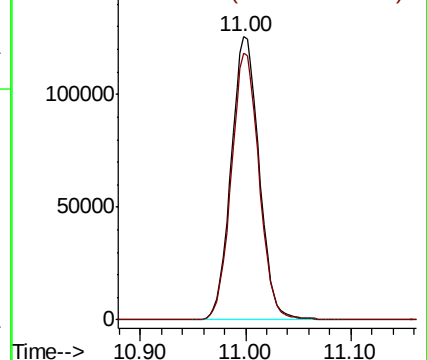
107 100

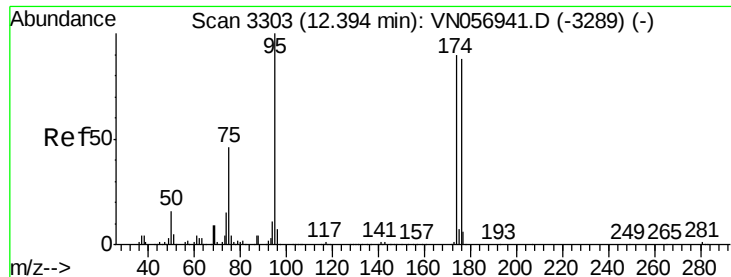
109 93.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 55.001 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

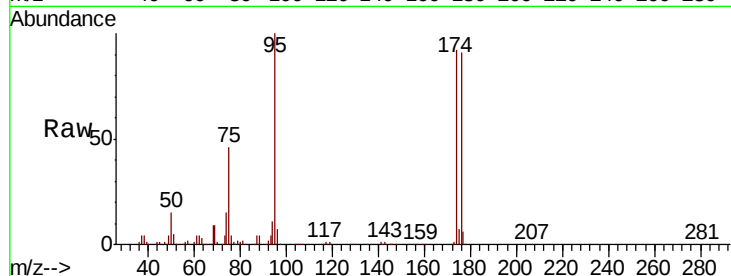
Tot Ion: 95 Resp: 288621

Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

176 92.3 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN056941.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN056941.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN056941.D (-3289) (-)

12.40

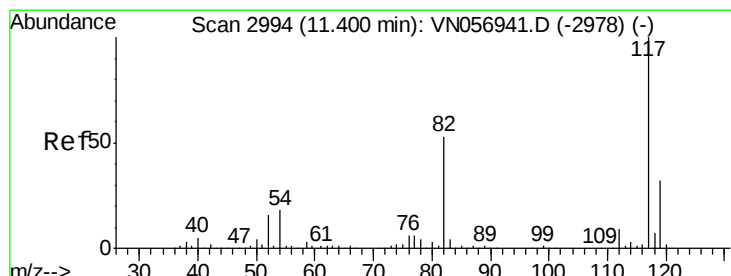
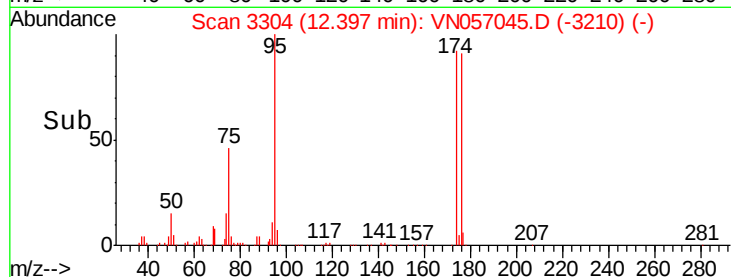
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

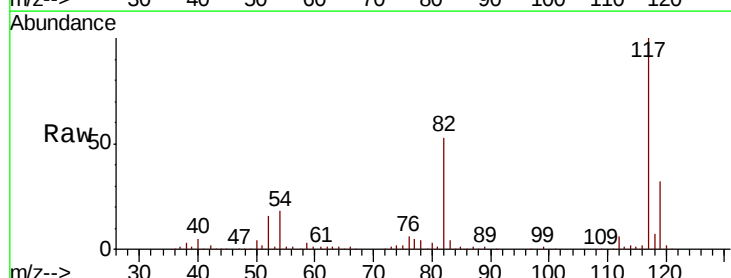
Tgt Ion: 117 Resp: 586879

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN056941.D (-2978) (-)

Ion 82.00 (81.70 to 82.70): VN056941.D (-2978) (-)

Ion 118.90 (118.60 to 119.60): VN056941.D (-2978) (-)

11.40

400000

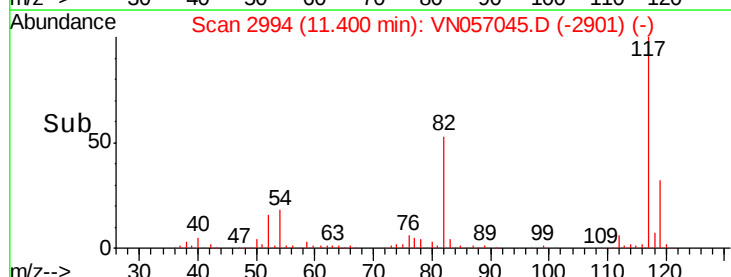
300000

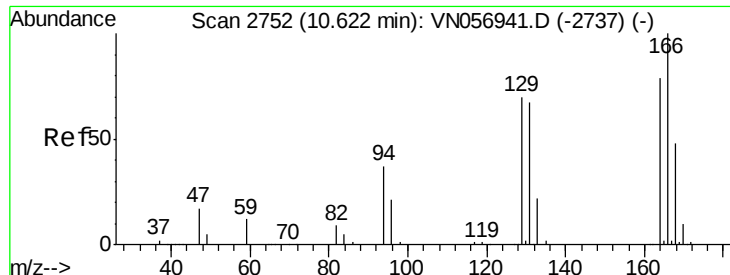
200000

100000

0

Time--> 11.30 11.35 11.40 11.45

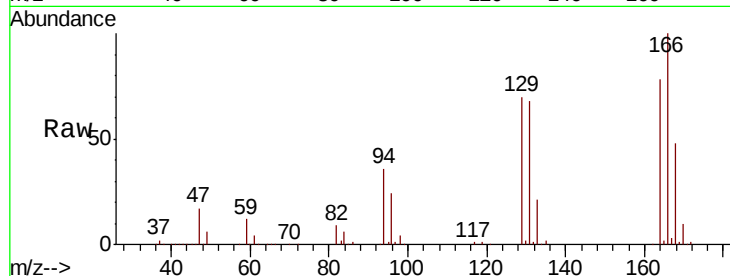




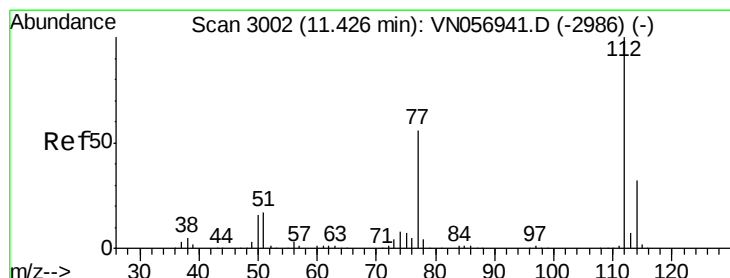
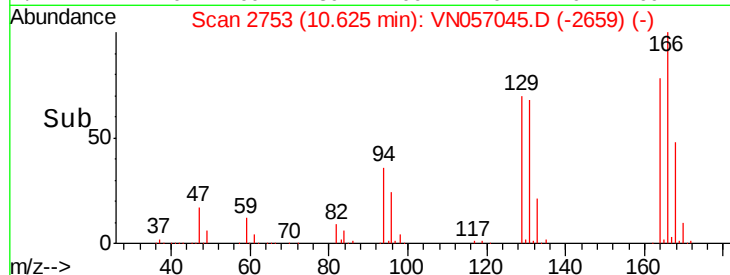
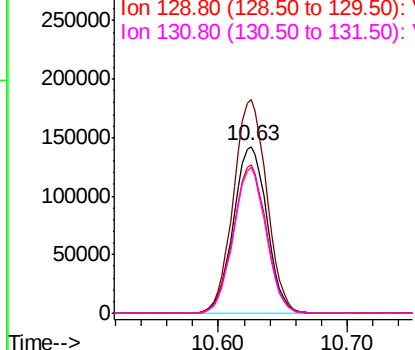
#64
Tetrachloroethene
Concen: 50.799 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

Tot Ion:164 Resp: 256912
Ion Ratio Lower Upper
164 100
166 127.9 101.1 151.7
129 89.0 70.9 106.3
131 87.2 67.7 101.5

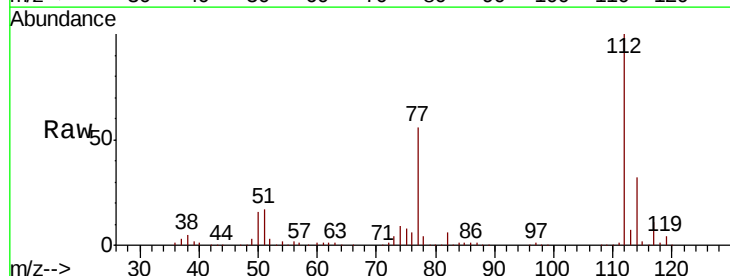


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

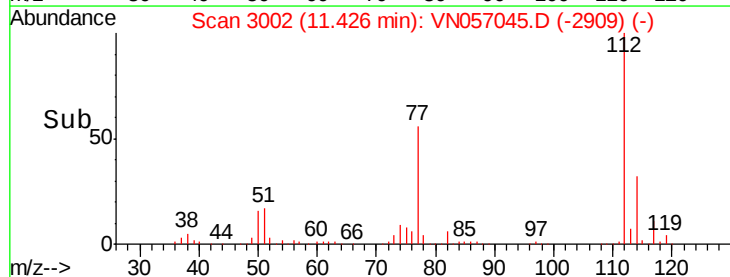
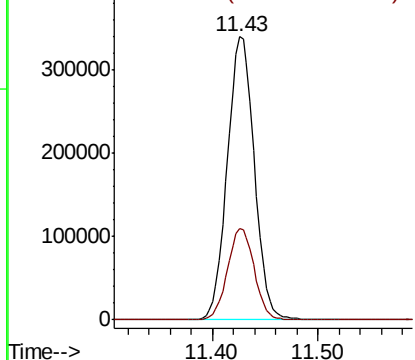


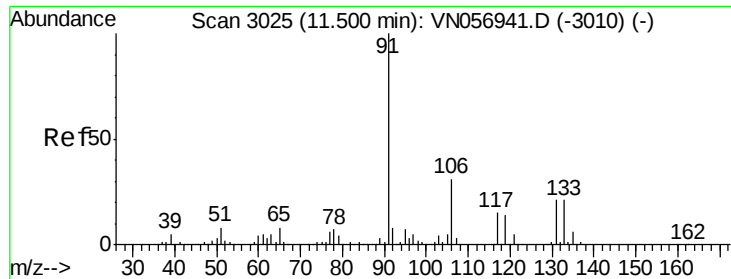
#65
Chlorobenzene
Concen: 50.184 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion:112 Resp: 600269
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



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: 51.942 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

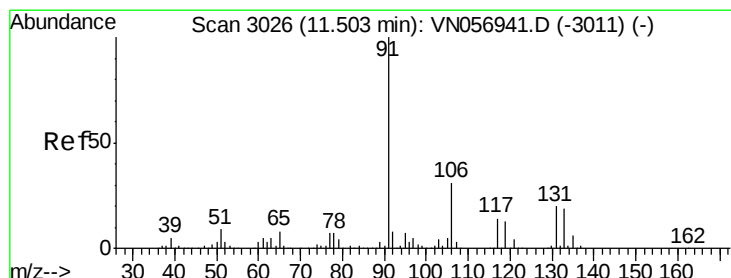
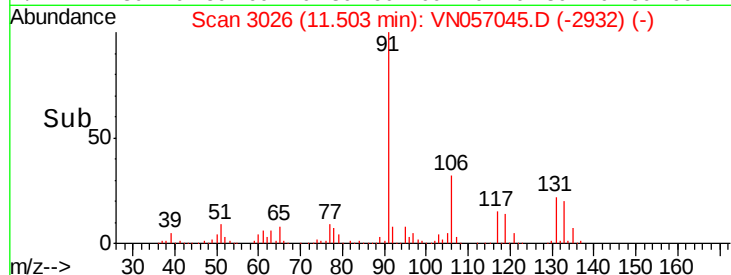
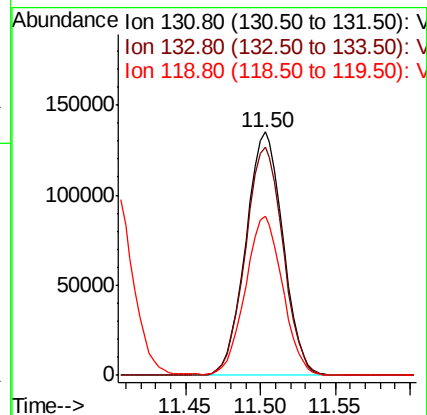
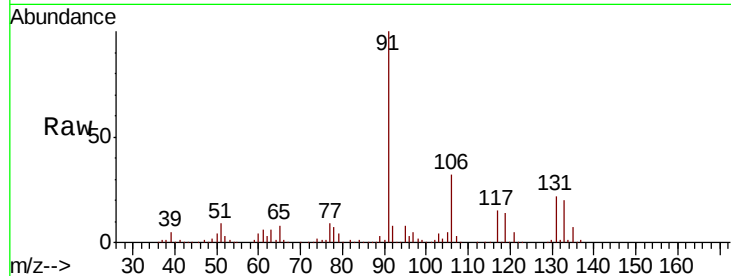
Tot Ion:131 Resp: 233847

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 65.5 33.2 99.6



#67

Ethyl Benzene

Concen: 50.298 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057045.D

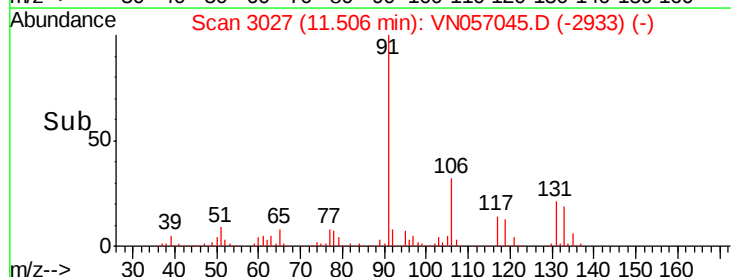
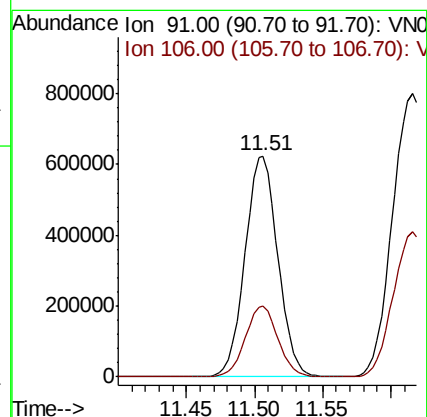
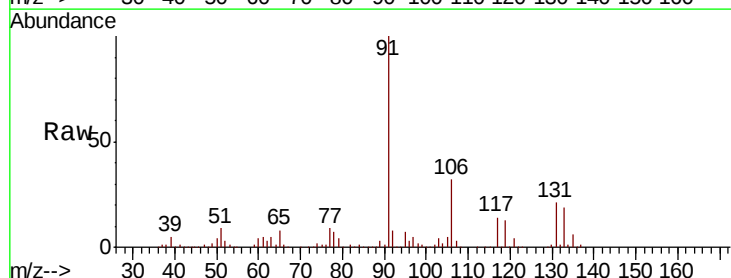
Acq: 1 Aug 2019 18:17

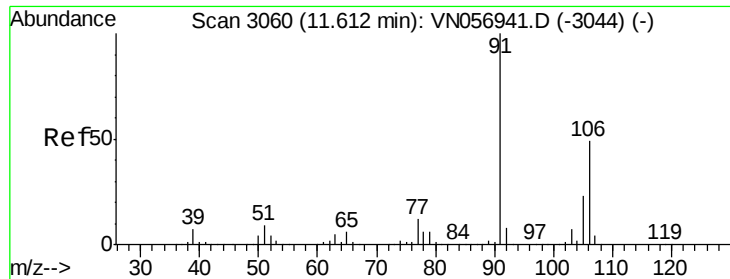
Tgt Ion: 91 Resp: 1039806

Ion Ratio Lower Upper

91 100

106 32.1 25.1 37.7

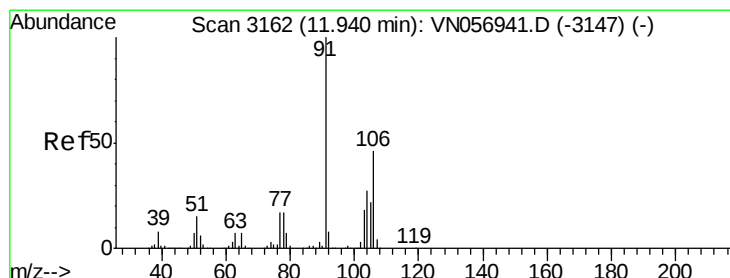
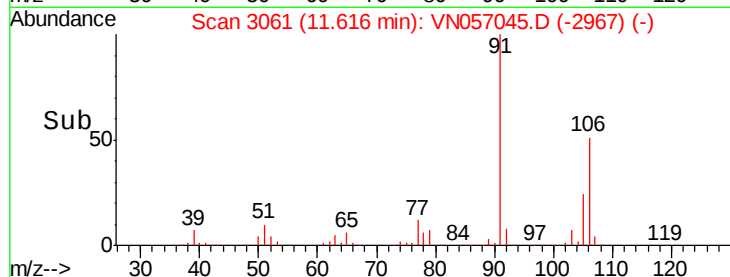
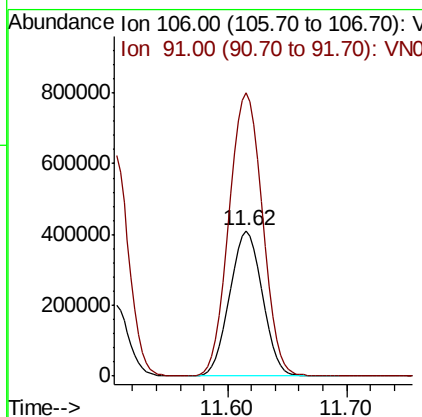
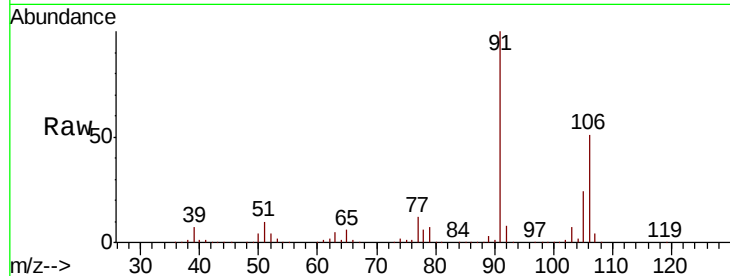




#68
m/p-Xylenes
Concen: 102.978 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

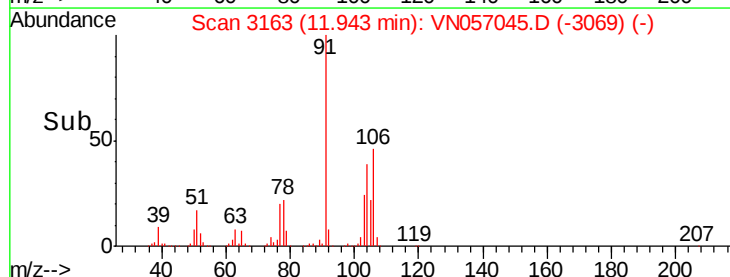
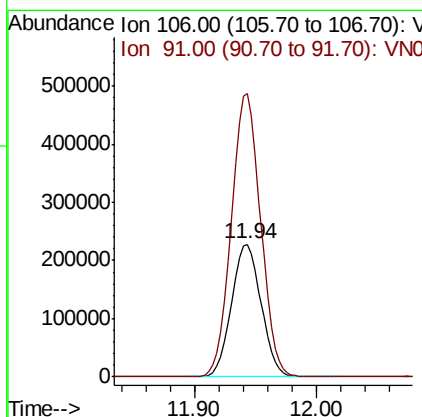
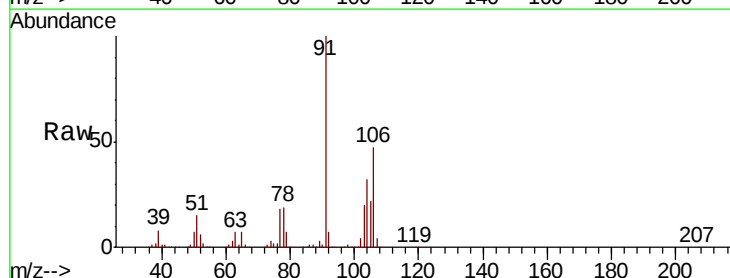
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

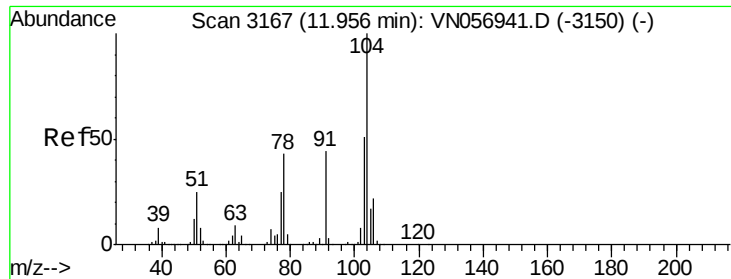
Tot Ion:106 Resp: 785673
Ion Ratio Lower Upper
106 100
91 199.2 160.0 240.0



#69
o-Xylene
Concen: 51.487 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion:106 Resp: 384315
Ion Ratio Lower Upper
106 100
91 211.3 106.2 318.6

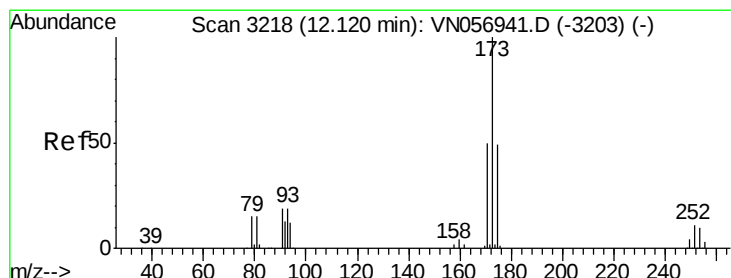
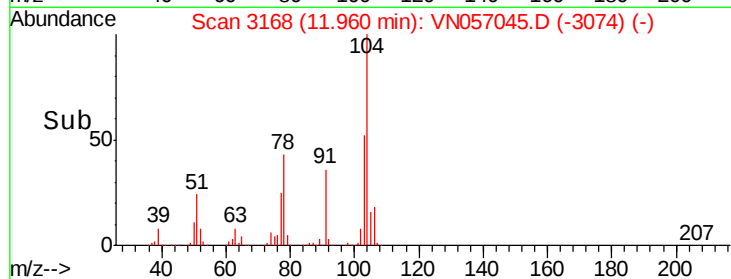
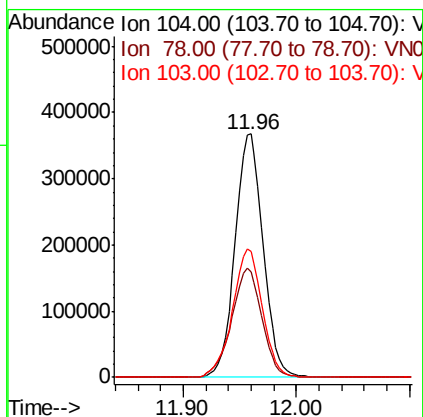
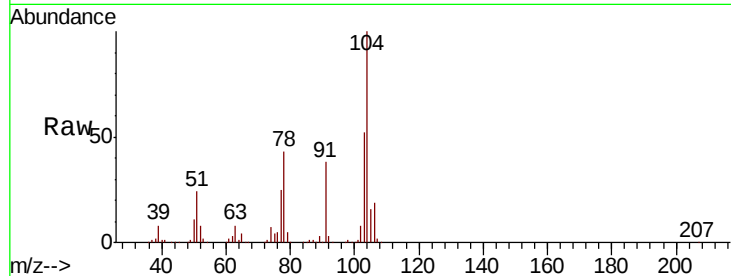




#70
Stvrene
Concen: 48.189 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

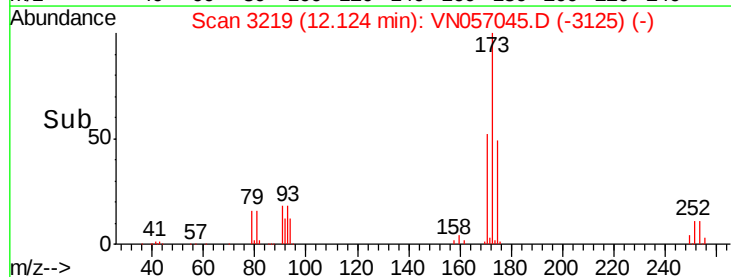
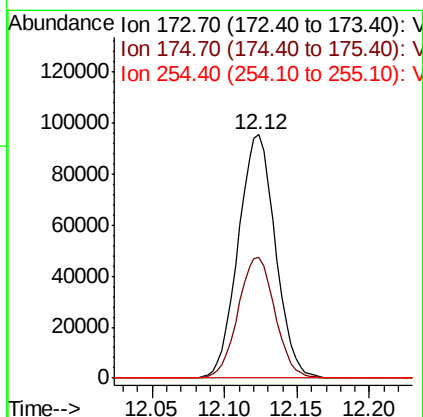
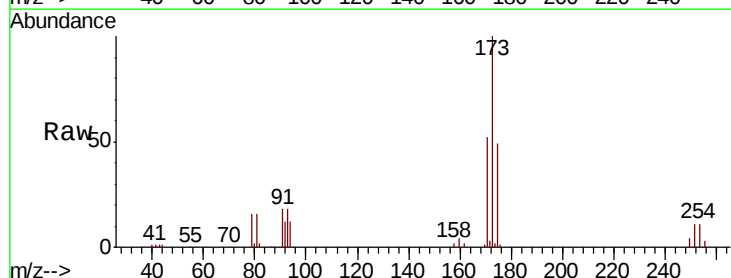
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

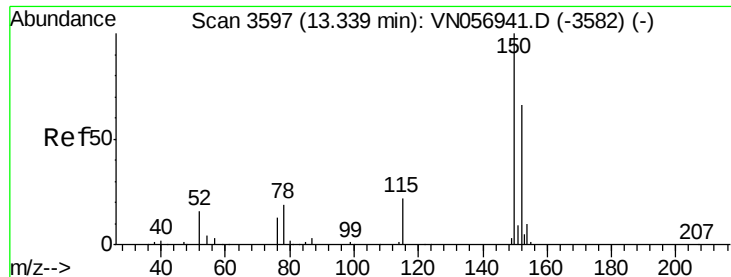
Tot Ion:104 Resp: 634850
Ion Ratio Lower Upper
104 100
78 48.4 38.1 57.1
103 56.1 44.3 66.5



#71
Bromoform
Concen: 54.218 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion:173 Resp: 170418
Ion Ratio Lower Upper
173 100
175 49.2 24.1 72.4
254 0.1 0.1 0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

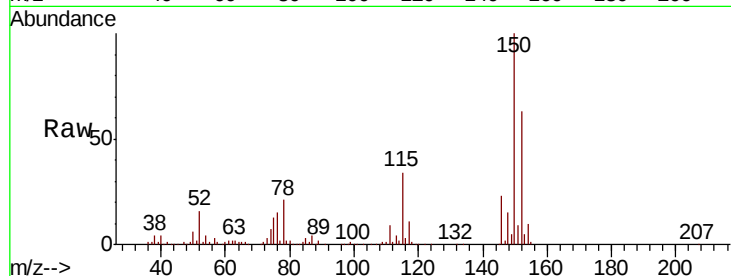
Tot Ion:152 Resp: 248058

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

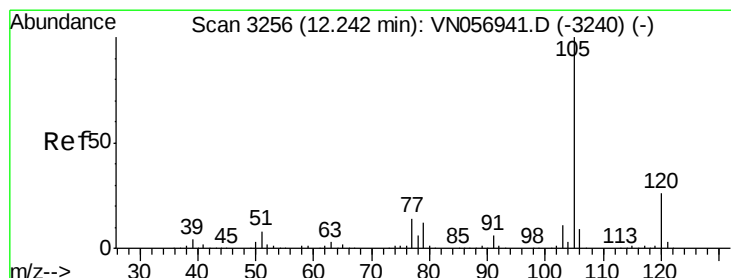
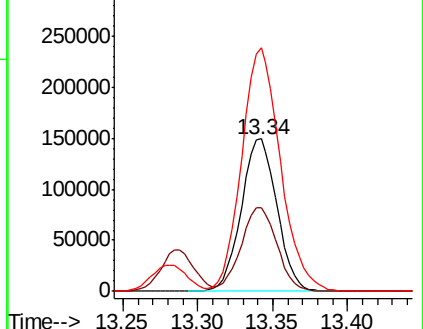
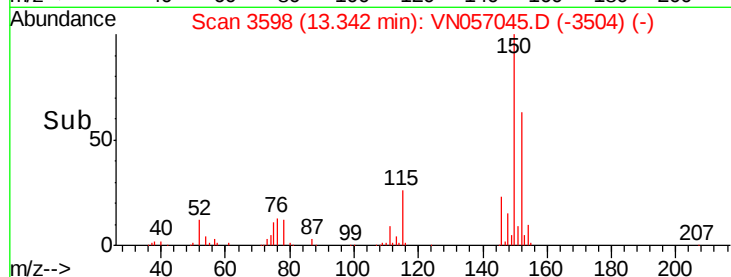
150 173.4 0.0 349.4



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: 47.694 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057045.D

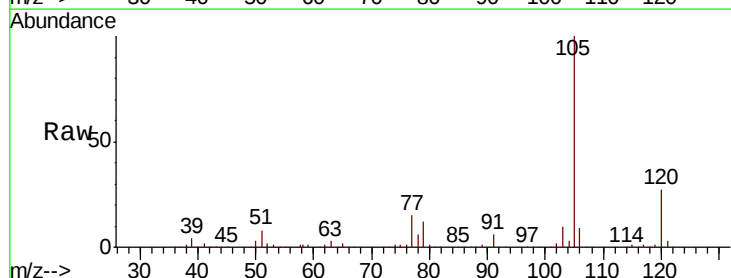
Acq: 1 Aug 2019 18:17

Tgt Ion:105 Resp: 1022468

Ion Ratio Lower Upper

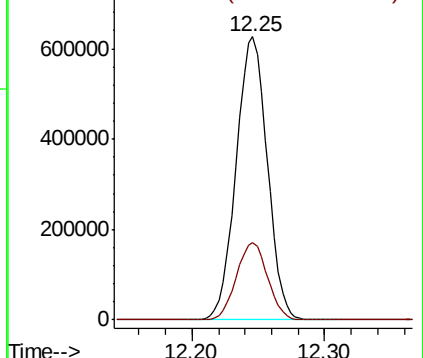
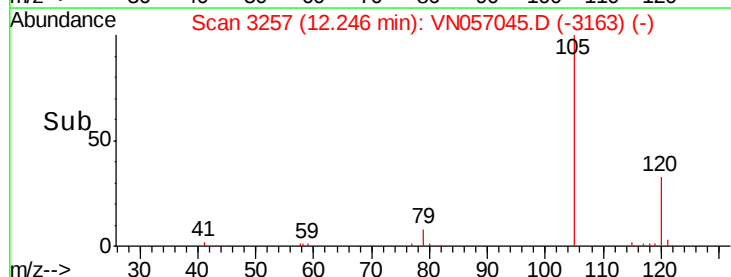
105 100

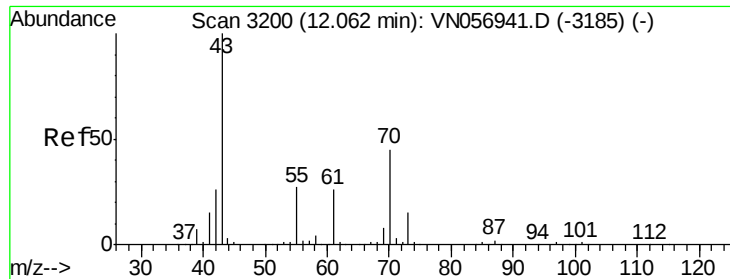
120 27.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.400 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

Tot Ion: 43 Resp: 295059

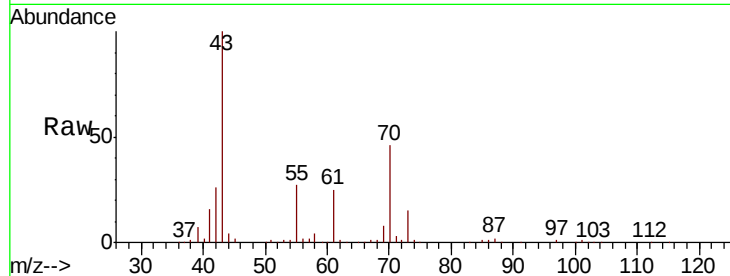
Ion Ratio Lower Upper

43 100

70 45.9 36.5 54.7

55 26.9 21.4 32.0

61 25.1 20.5 30.7

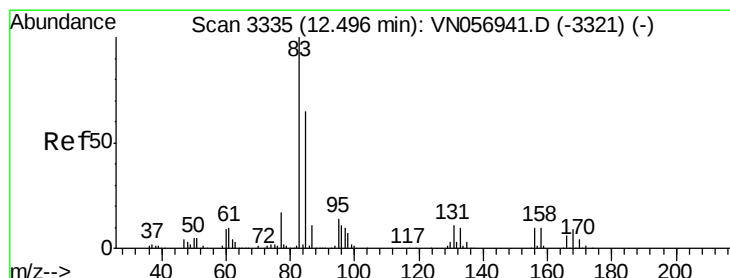
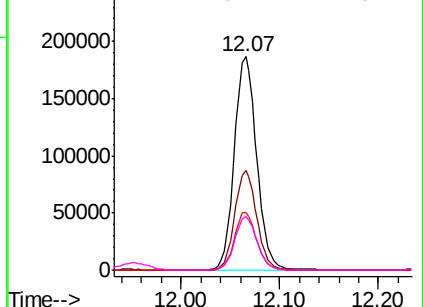
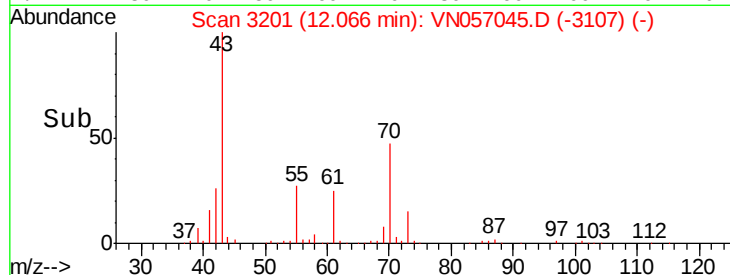


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.114 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

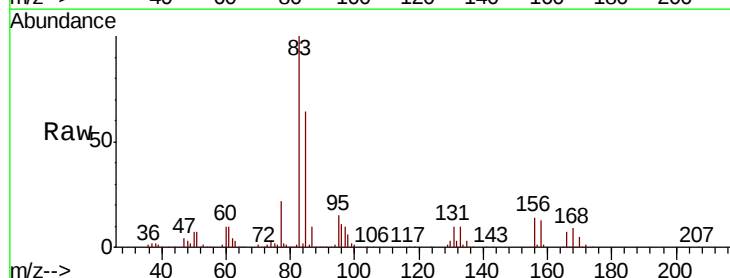
Tgt Ion: 83 Resp: 286949

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

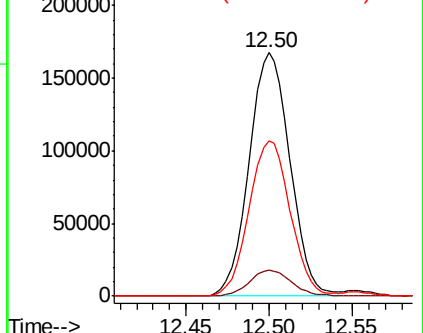
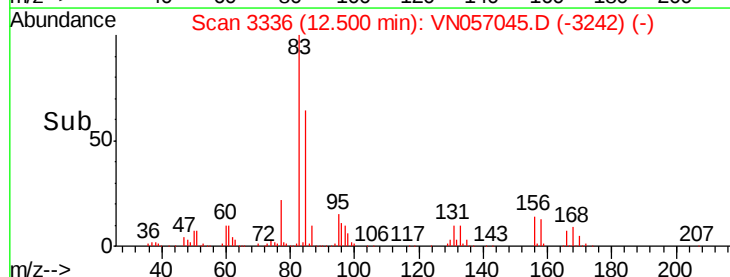
85 64.3 32.5 97.4

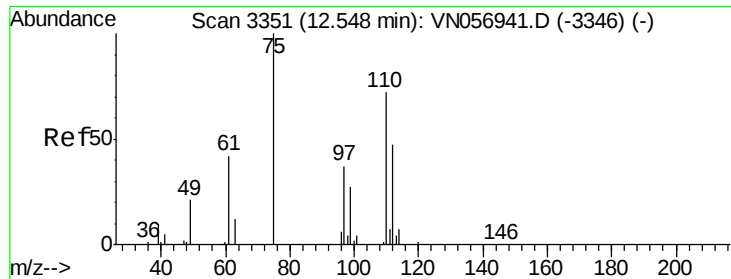


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

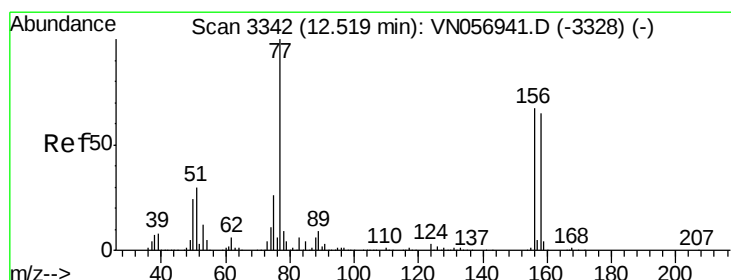
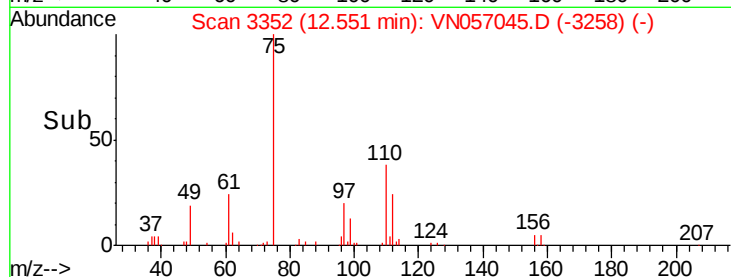
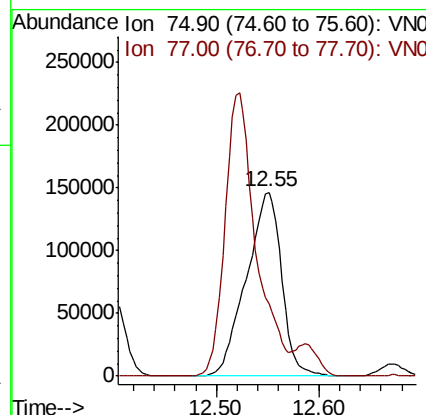
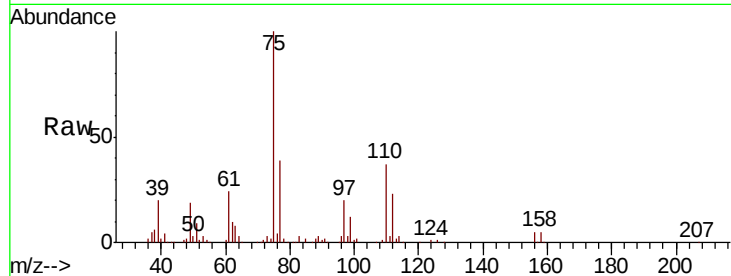




#76
 1,2,3-Trichloropropane
 Concen: 69.016 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

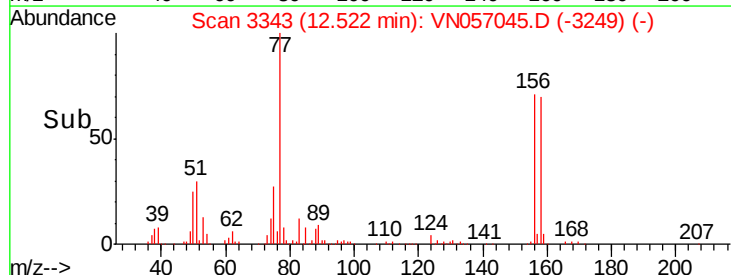
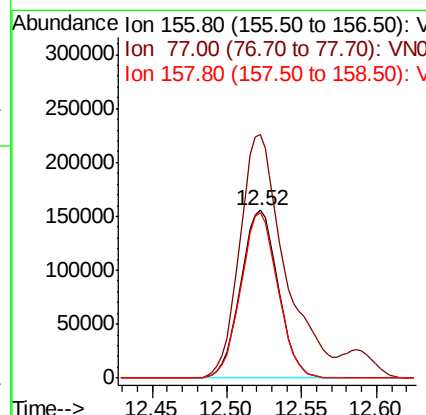
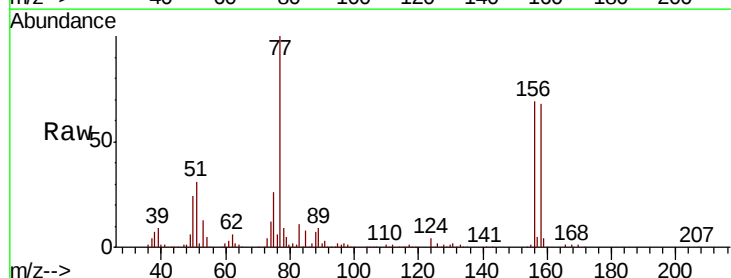
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

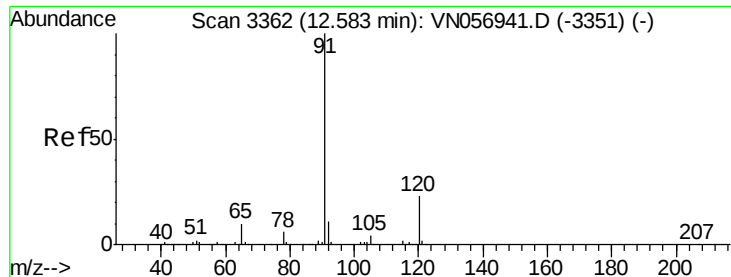
Tot Ion: 75 Resp: 347677
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 48.584 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 156 Resp: 271837
 Ion Ratio Lower Upper
 156 100
 77 174.2 89.5 268.5
 158 97.0 48.4 145.3





#78

n-propylbenzene

Concen: 47.692 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

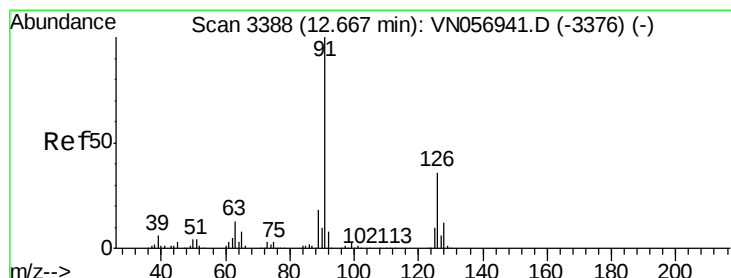
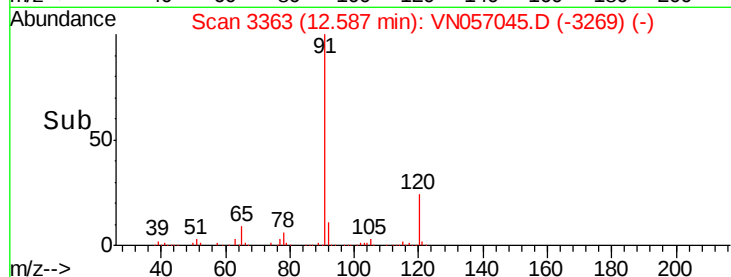
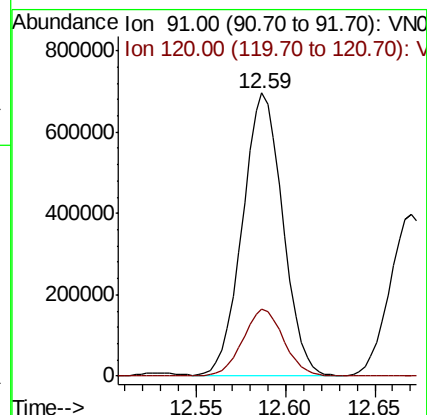
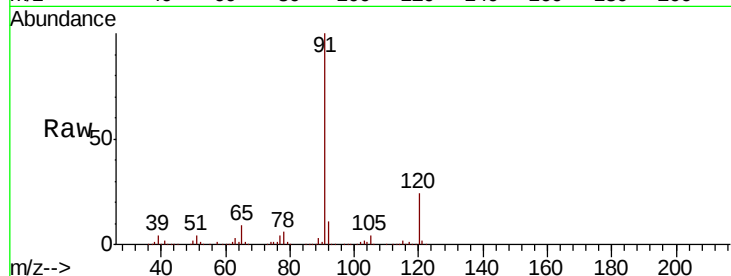
BP-VPB203-GW-498-500MS

Tot Ion: 91 Resp: 1091687

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4



#79

2-Chlorotoluene

Concen: 46.952 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057045.D

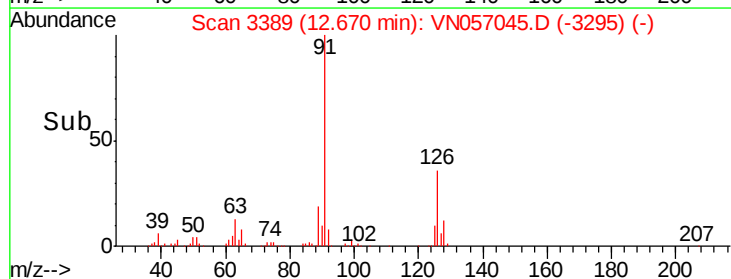
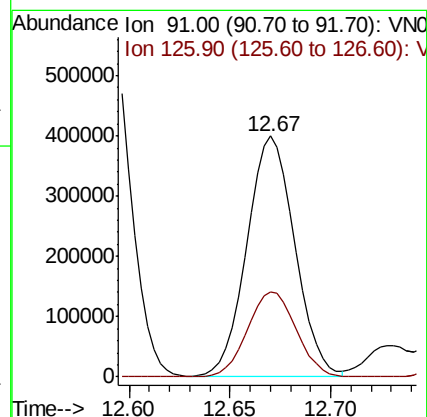
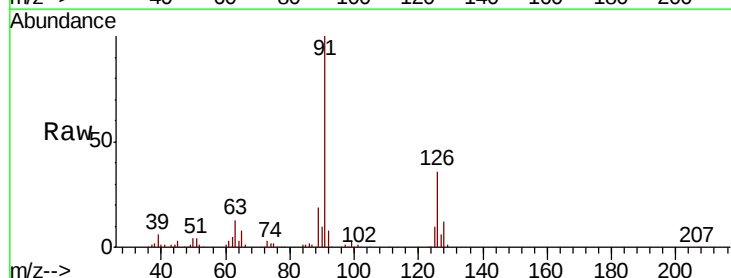
Acq: 1 Aug 2019 18:17

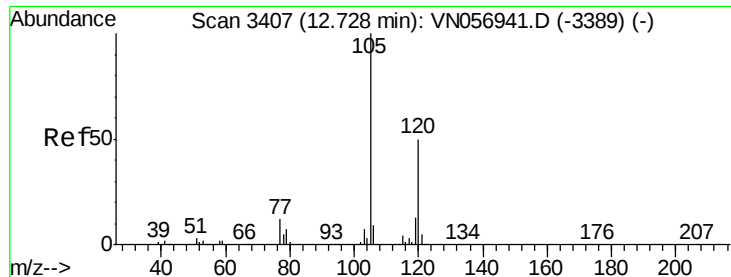
Tgt Ion: 91 Resp: 661780

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

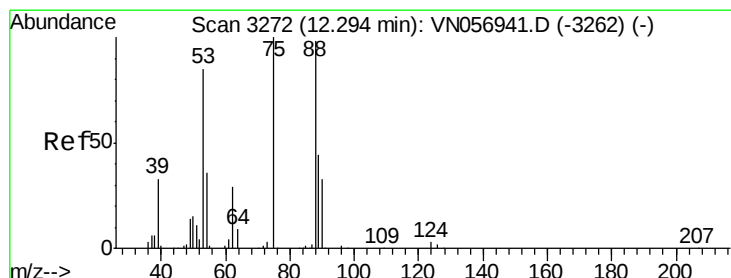
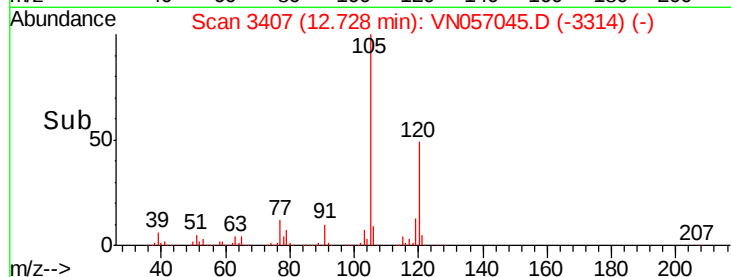
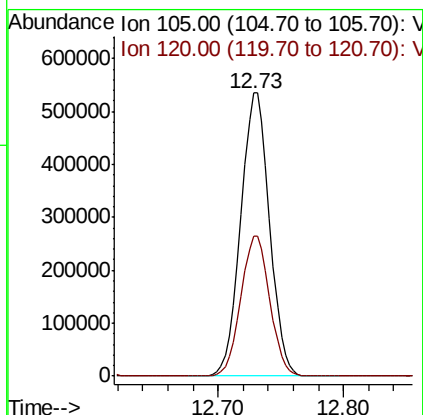
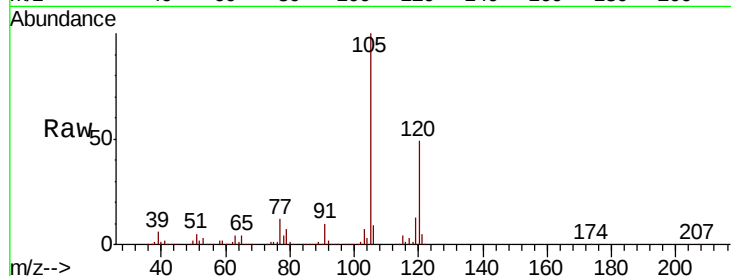




#80
 1,3,5-Trimethylbenzene
 Concen: 48.437 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

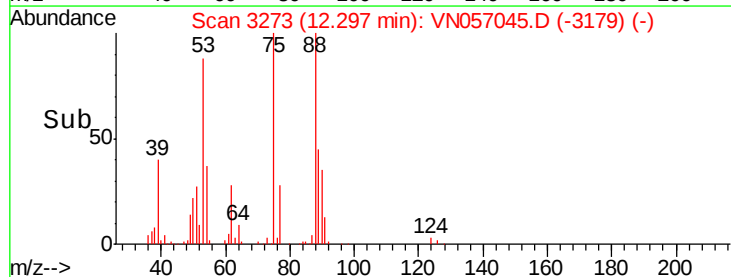
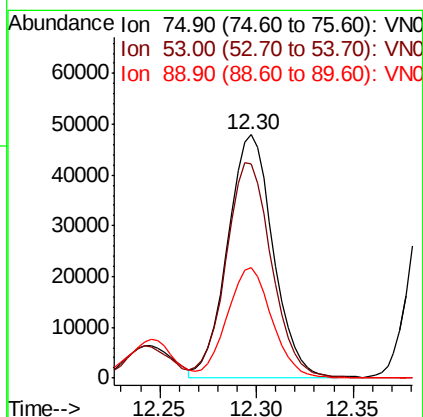
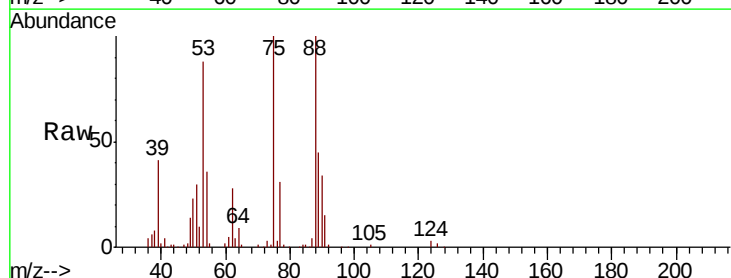
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

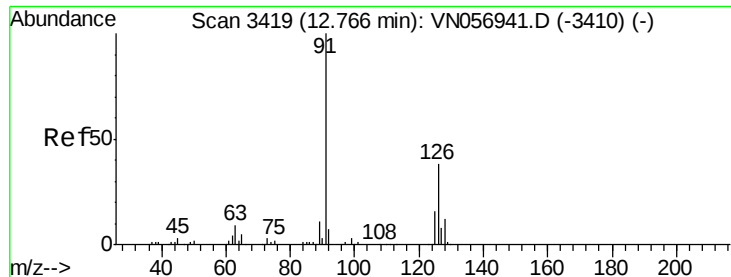
Tot Ion:105 Resp: 852260
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.164 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion: 75 Resp: 78652
 Ion Ratio Lower Upper
 75 100
 53 88.7 69.3 103.9
 89 44.8 35.8 53.6





#82

4-Chlorotoluene

Concen: 48.774 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

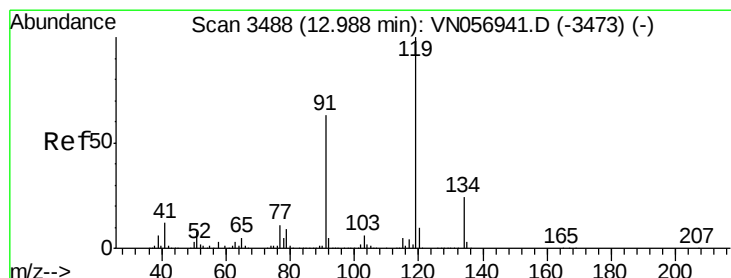
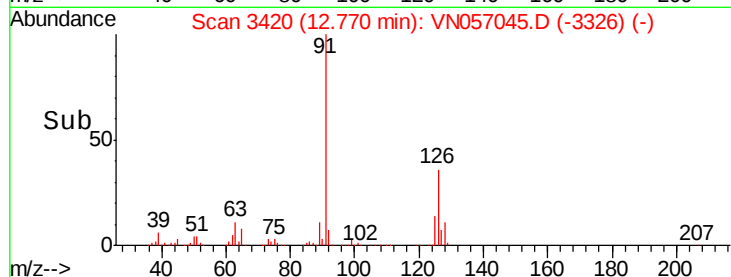
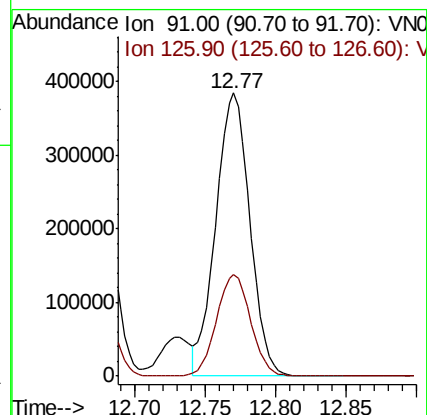
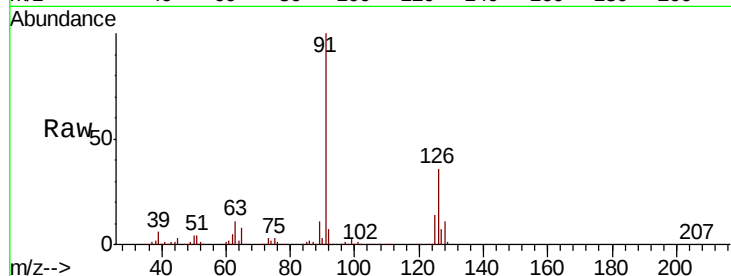
BP-VPB203-GW-498-500MS

Tot Ion: 91 Resp: 643354

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.5



#83

tert-Butylbenzene

Concen: 48.735 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

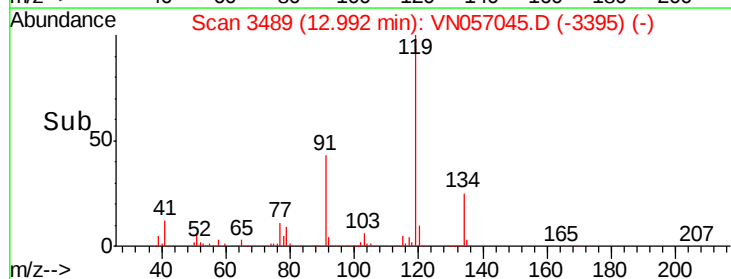
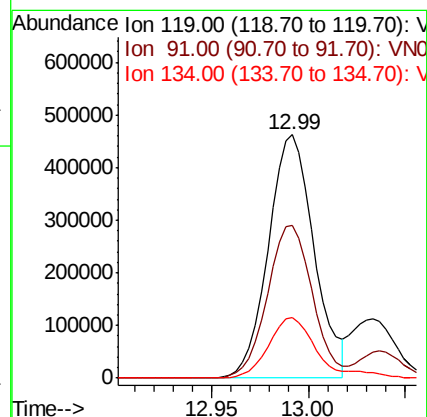
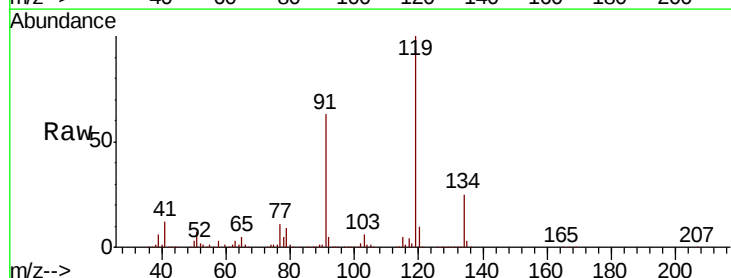
Tgt Ion: 119 Resp: 759096

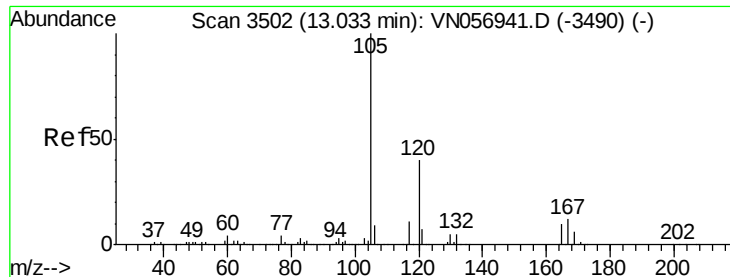
Ion Ratio Lower Upper

119 100

91 62.2 31.3 93.8

134 26.5 13.3 39.8

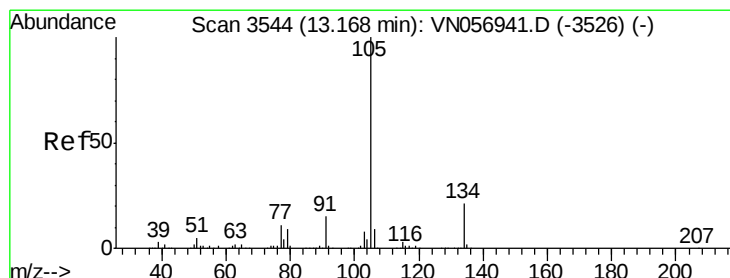
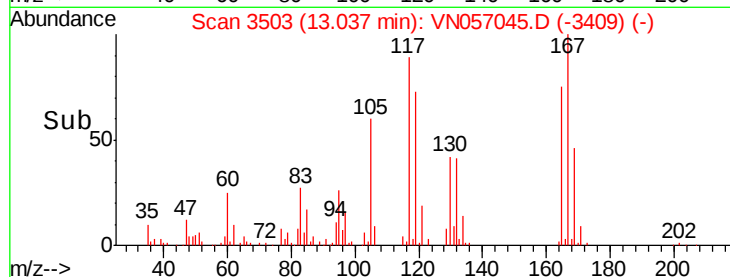
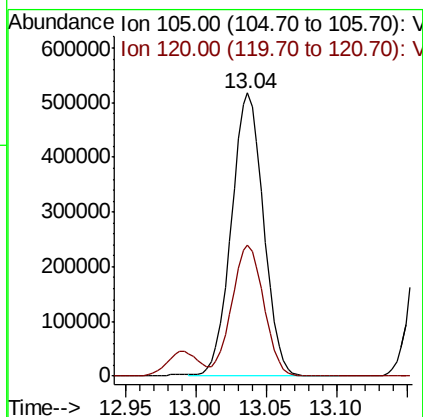
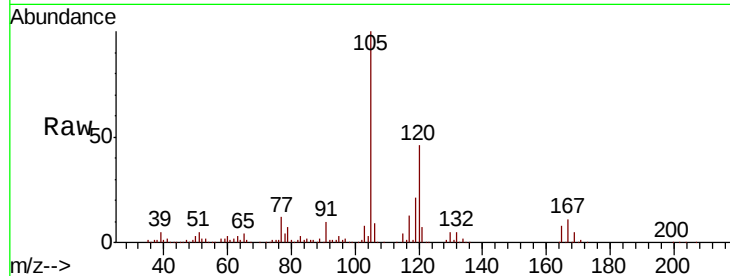




#84
 1,2,4-Trimethylbenzene
 Concen: 48.666 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

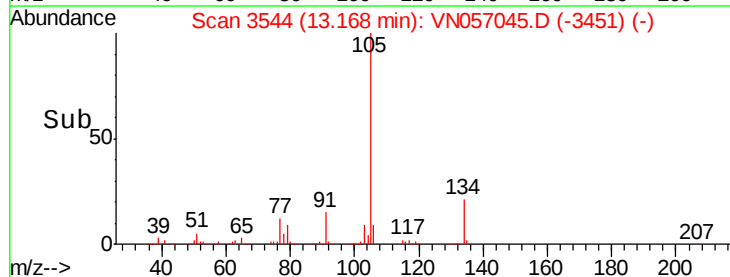
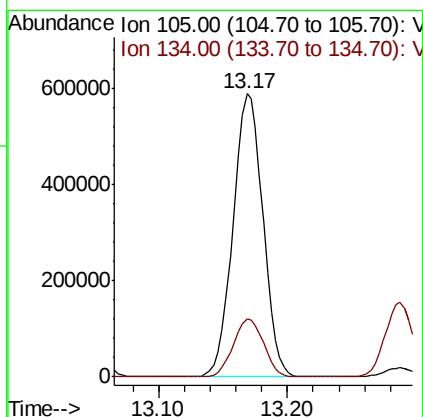
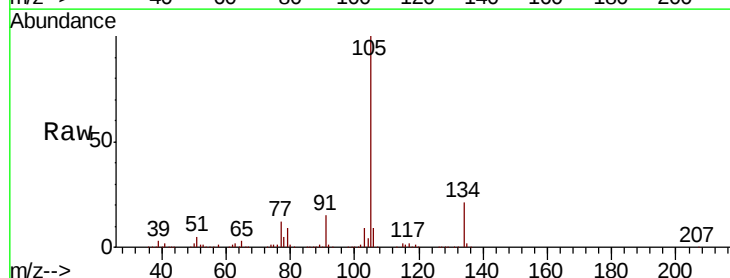
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

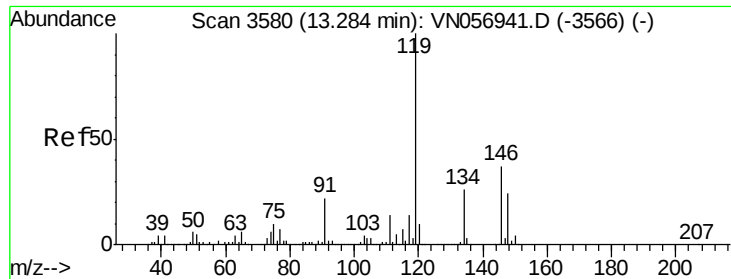
Tot Ion:105 Resp: 823914
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 47.111 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion:105 Resp: 946507
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8

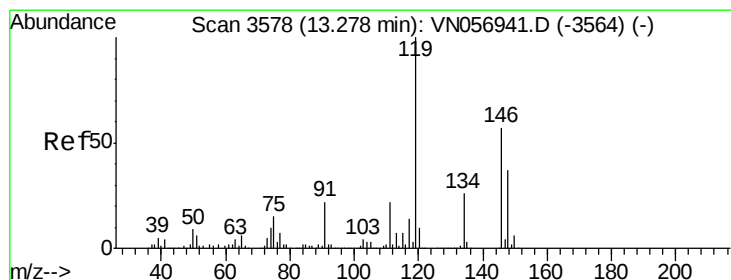
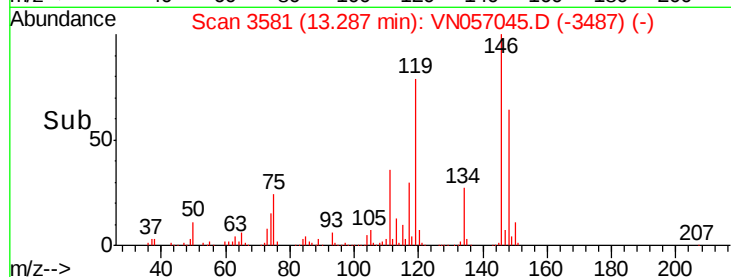
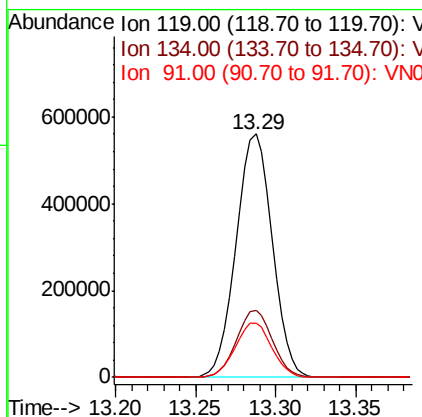
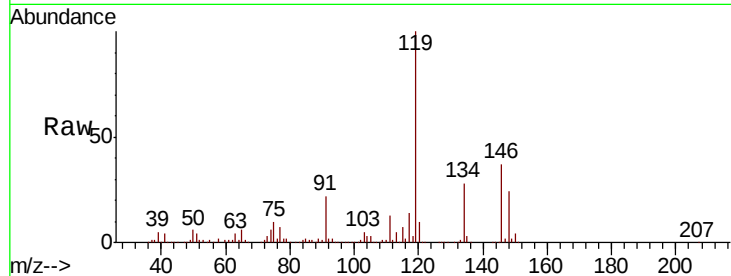




#86
 p-Isopropyltoluene
 Concen: 48.198 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

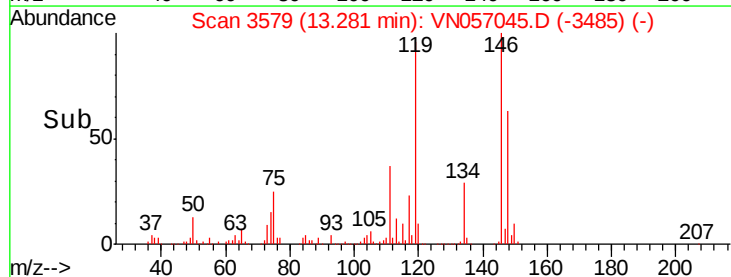
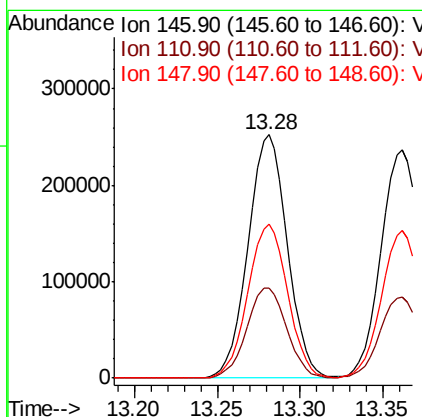
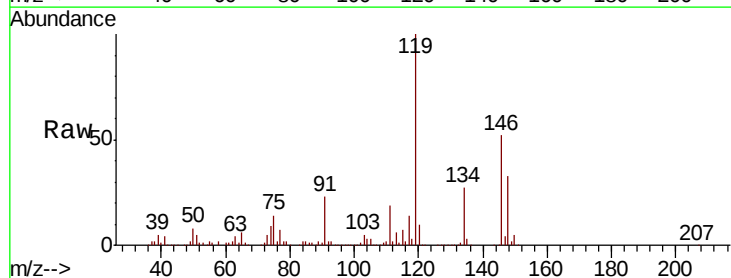
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

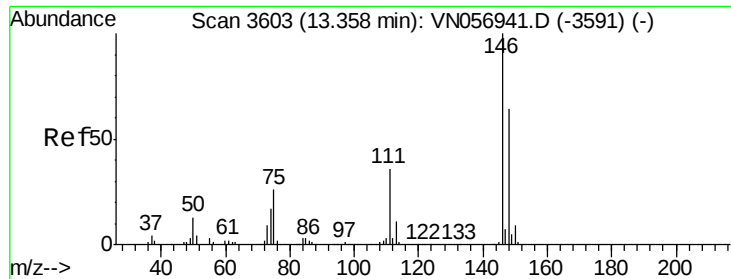
Tot Ion:119 Resp: 859714
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 22.3 11.0 33.0



#87
 1,3-Dichlorobenzene
 Concen: 48.935 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Tgt Ion:146 Resp: 416483
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 55.8
 148 64.3 32.2 96.6

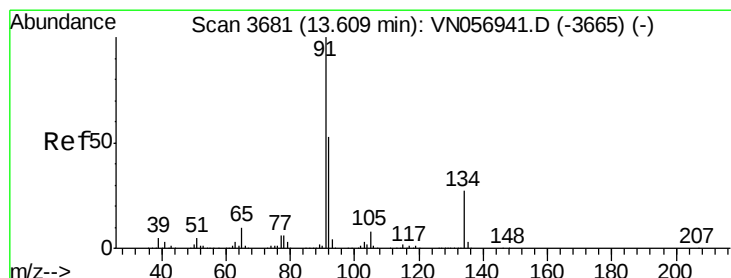
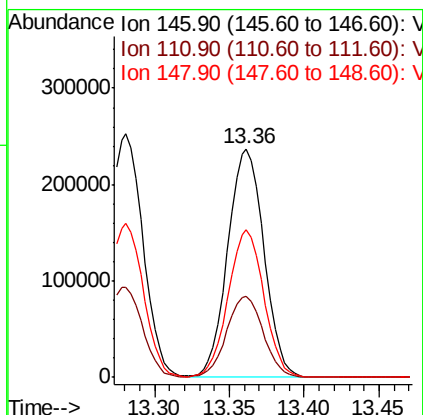
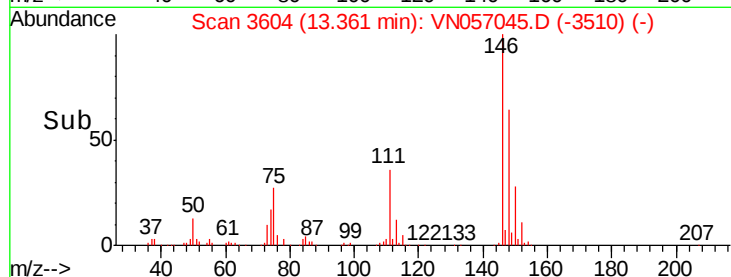
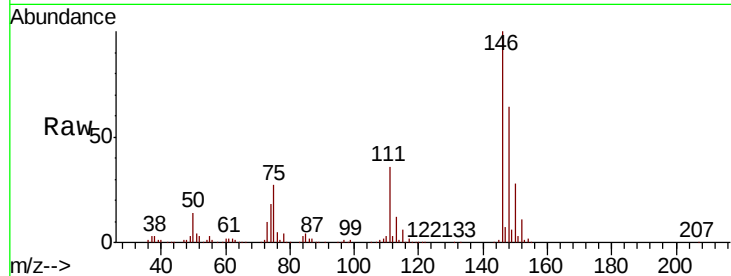




#88
1,4-Dichlorobenzene
Concen: 48.694 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

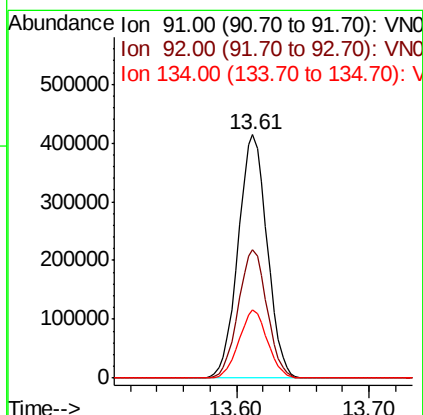
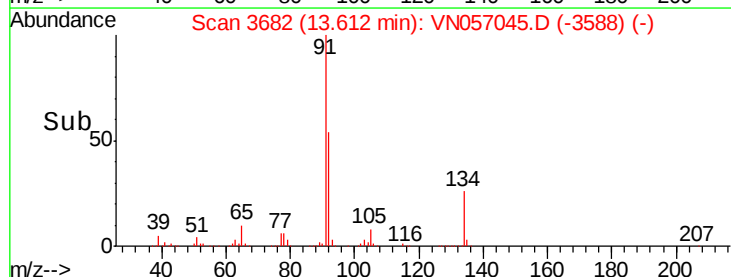
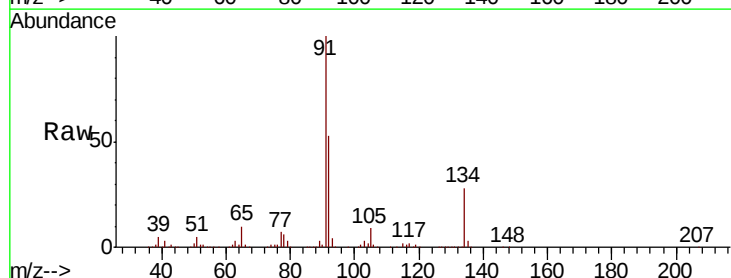
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MS

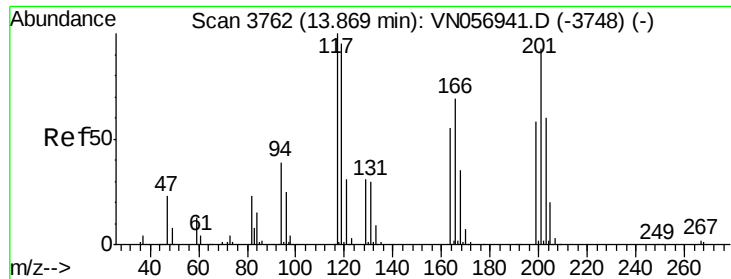
Tot Ion:146 Resp: 398968
Ion Ratio Lower Upper
146 100
111 36.1 18.4 55.2
148 63.7 32.3 96.9



#89
n-Butylbenzene
Concen: 45.730 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057045.D
Acq: 1 Aug 2019 18:17

Tgt Ion: 91 Resp: 628663
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 27.5 13.5 40.4





#90

Hexachloroethane

Concen: 49.593 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

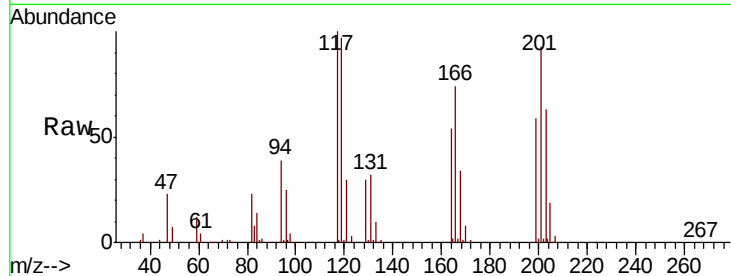
BP-VPB203-GW-498-500MS

Tot Ion:117 Resp: 152322

Ion Ratio Lower Upper

117 100

201 95.8 47.0 141.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

100000

80000

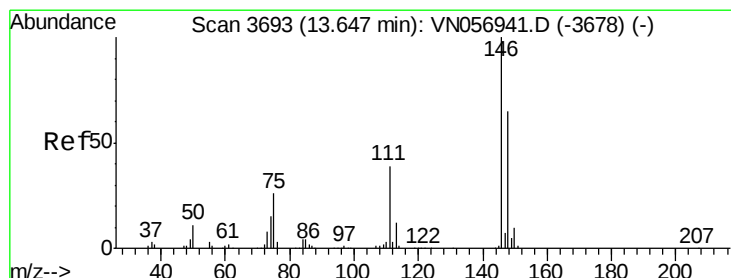
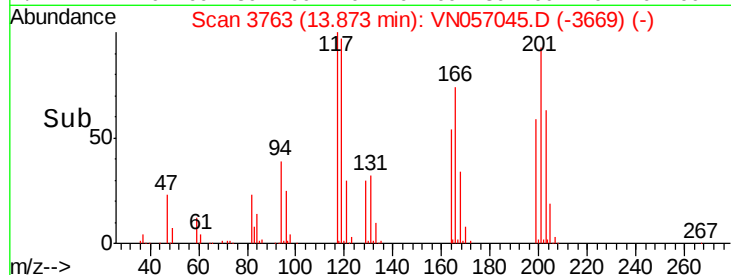
60000

40000

20000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 50.147 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

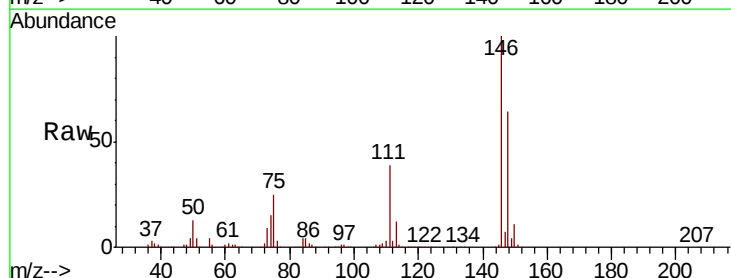
Tgt Ion:146 Resp: 420062

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.4

148 64.0 32.2 96.6



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

13.65

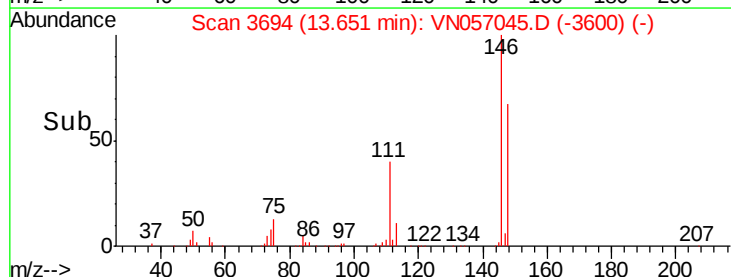
300000

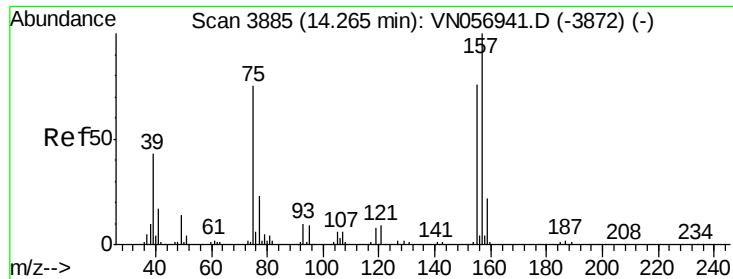
200000

100000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.999 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

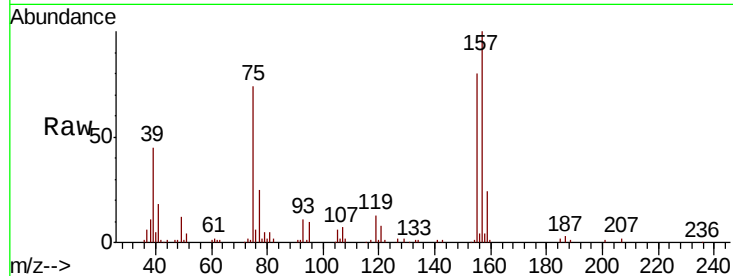
Tot Ion: 75 Resp: 45191

Ion Ratio Lower Upper

75 100

155 101.9 50.2 150.6

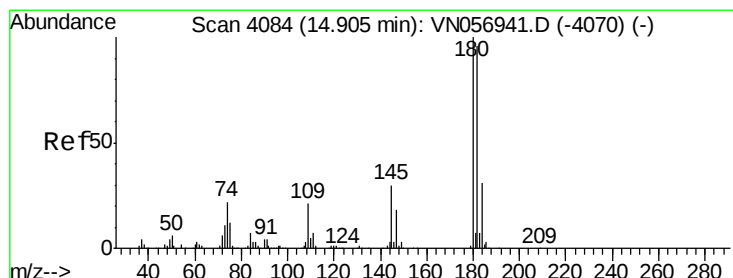
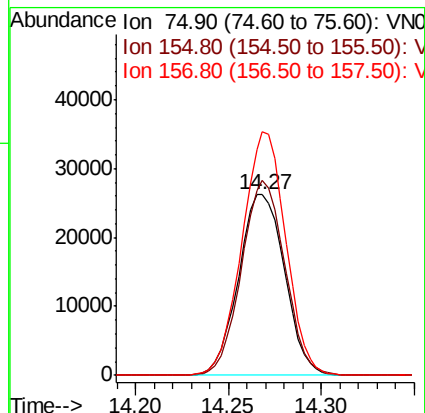
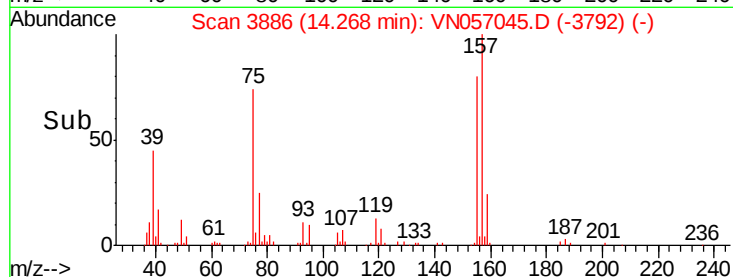
157 128.0 65.1 195.4



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN056941.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN056941.D (-3872) (-)



#93

1,2,4-Trichlorobenzene

Concen: 39.839 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

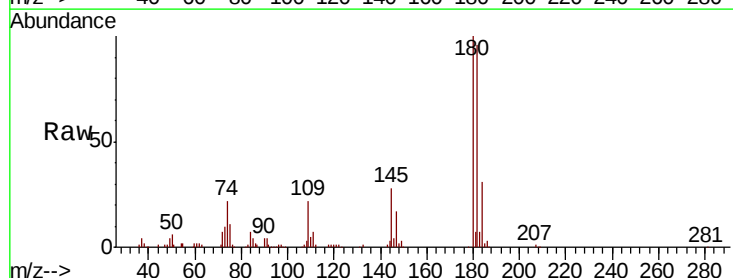
Tgt Ion:180 Resp: 169639

Ion Ratio Lower Upper

180 100

182 96.1 47.6 142.8

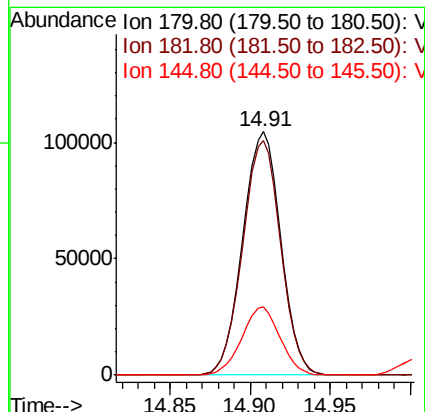
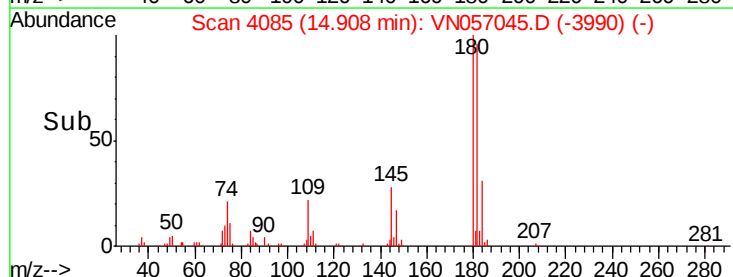
145 28.1 14.2 42.8

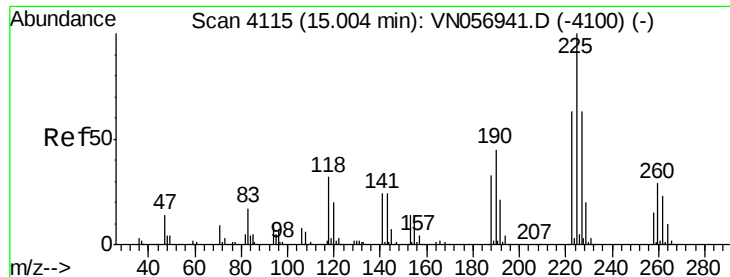


Abundance Ion 179.80 (179.50 to 180.50): VN056941.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN056941.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN056941.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: 51.784 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MS

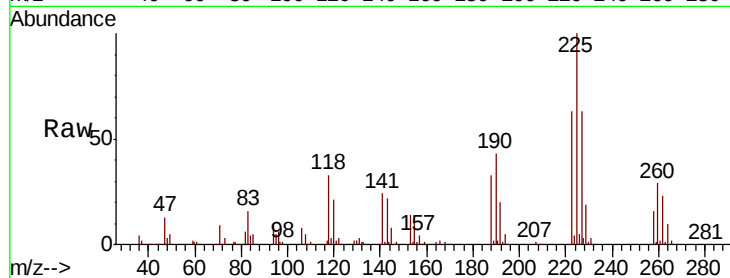
Tot Ion:225 Resp: 151173

Ion Ratio Lower Upper

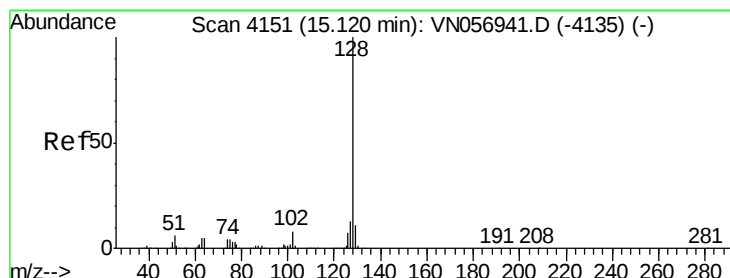
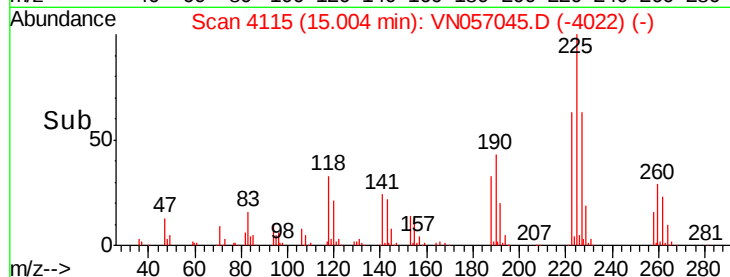
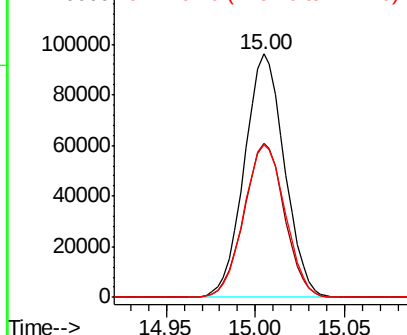
225 100

223 63.5 30.8 92.4

227 64.6 31.1 93.5



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: 41.916 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057045.D

Acq: 1 Aug 2019 18:17

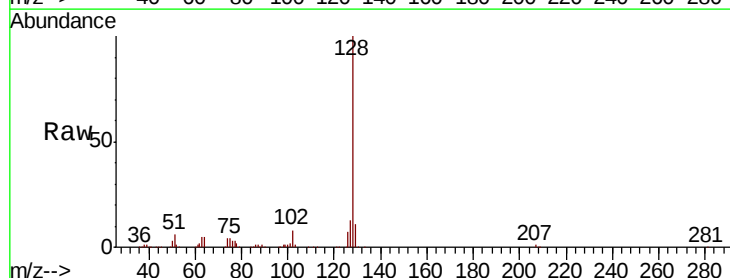
Tgt Ion:128 Resp: 435197

Ion Ratio Lower Upper

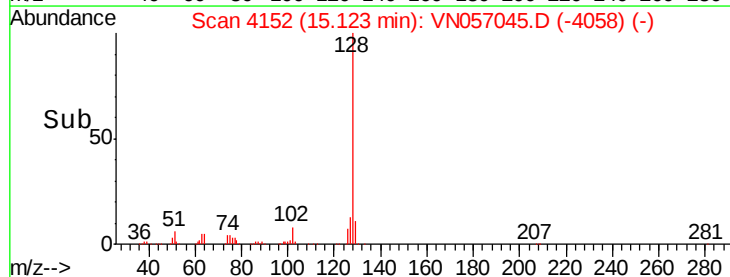
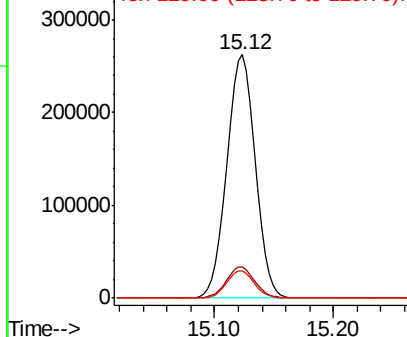
128 100

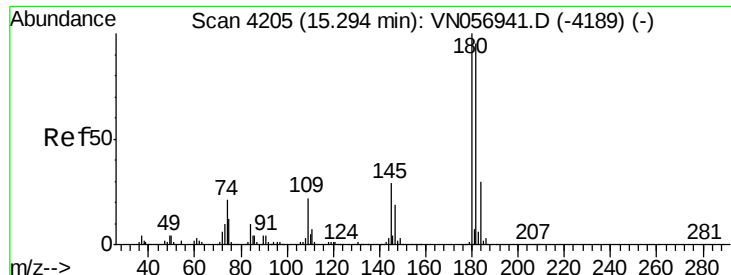
127 12.9 10.0 15.0

129 11.0 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: 43.841 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057045.D
 Acq: 1 Aug 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	29.0	15.0	45.0

