

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054422.D
 Acq On : 19 Mar 2019 5:02
 Operator : JC/SP
 Sample : VN0318WBSD02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Quant Time: Mar 19 07:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1172129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1900606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1649993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	767051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	644719	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	620412	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	2240115	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	751903	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	222451	20.025	ug/l	98
3) Chloromethane	2.06	50	218072	20.209	ug/l	100
4) Vinyl Chloride	2.19	62	233222	18.910	ug/l	97
5) Bromomethane	2.57	94	150868	17.662	ug/l	96
6) Chloroethane	2.71	64	140433	18.819	ug/l	99
7) Trichlorofluoromethane	3.02	101	299308	18.253	ug/l	100
8) Diethyl Ether	3.41	74	158754	21.245	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	234531	19.086	ug/l	98
10) Methyl Iodide	3.94	142	325087	19.568	ug/l	100
11) Tert butyl alcohol	4.82	59	87949	103.061	ug/l	99
12) 1,1-Dichloroethene	3.73	96	240391	19.741	ug/l	97
13) Acrolein	3.61	56	48304	59.735	ug/l	97
14) Allyl chloride	4.31	41	312118	19.977	ug/l	96
15) Acrylonitrile	4.99	53	437618	124.842	ug/l	98
16) Acetone	3.82	43	273860	76.837	ug/l	100
17) Carbon Disulfide	4.04	76	494027	16.184	ug/l	100
18) Methyl Acetate	4.33	43	202205	28.042	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	707148	23.428	ug/l	99
20) Methylene Chloride	4.55	84	266975	22.812	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	254393	21.804	ug/l	98
22) Diisopropyl ether	5.96	45	733866	23.535	ug/l	96
23) Vinyl Acetate	5.90	43	2410977	104.867	ug/l	99
24) 1,1-Dichloroethane	5.84	63	464631	23.207	ug/l	98
25) 2-Butanone	6.85	43	472961	113.061	ug/l	99
26) 2,2-Dichloropropane	6.82	77	213596	12.131	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	301699	23.179	ug/l	94
28) Bromochloromethane	7.19	49	172026	21.017	ug/l	98
29) Tetrahydrofuran	7.22	42	318311	118.346	ug/l	98
30) Chloroform	7.37	83	478779	22.917	ug/l	100
31) Cyclohexane	7.65	56	397106	20.490	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	387133	20.517	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336713	19.237	ug/l	99
37) Ethyl Acetate	6.94	43	185879	18.483	ug/l #	93
38) Carbon Tetrachloride	7.77	117	334158	18.205	ug/l	100

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 ClientSampleId :
 VN0318WBSD02

Quant Time: Mar 19 07:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382350	17.755	ug/l	97
40) Benzene	8.04	78	1066915	21.301	ug/l	99
41) Methacrylonitrile	7.18	41	123053	21.429	ug/l	97
42) 1,2-Dichloroethane	8.13	62	336669	19.909	ug/l	98
43) Isopropyl Acetate	8.17	43	340893	19.311	ug/l	97
44) Trichloroethene	8.83	130	315254	20.261	ug/l	96
45) 1,2-Dichloropropane	9.12	63	279085	22.440	ug/l	100
46) Dibromomethane	9.21	93	175698	20.909	ug/l	98
47) Bromodichloromethane	9.40	83	324210	19.245	ug/l	99
48) Methyl methacrylate	9.20	41	185136	20.666	ug/l	93
49) 1,4-Dioxane	9.21	88	58660	462.922	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1025018	109.722	ug/l	97
52) Toluene	10.16	92	660993	20.813	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	280135	15.947	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	353635	18.014	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	252558	21.780	ug/l	99
56) Ethyl methacrylate	10.43	69	295295	21.357	ug/l	93
57) 1,3-Dichloropropane	10.71	76	416307	21.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	584133	107.650	ug/l	99
59) 2-Hexanone	10.75	43	629765	101.312	ug/l	95
60) Dibromochloromethane	10.90	129	255780	19.597	ug/l	96
61) 1,2-Dibromoethane	11.00	107	249367	21.161	ug/l	100
64) Tetrachloroethene	10.63	164	323663	20.289	ug/l	97
65) Chlorobenzene	11.43	112	767092	21.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	265282	20.156	ug/l	99
67) Ethyl Benzene	11.51	91	1238865	20.628	ug/l	100
68) m/p-Xylenes	11.62	106	963029	41.027	ug/l	100
69) o-Xylene	11.95	106	489377	21.387	ug/l	98
70) Styrene	11.96	104	766055	21.346	ug/l	100
71) Bromoform	12.13	173	157067	17.270	ug/l #	99
73) Isopropylbenzene	12.25	105	1279065	20.842	ug/l	100
74) N-amyl acetate	12.07	43	280058	20.559	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	285627	21.845	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	344831	30.571	ug/l #	100
77) Bromobenzene	12.53	156	1161446	71.521	ug/l #	21
78) n-propylbenzene	12.59	91	1342278	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	823527	20.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1085224	21.260	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	42138	12.770	ug/l #	84
82) 4-Chlorotoluene	12.77	91	808912	20.233	ug/l	99
83) tert-Butylbenzene	12.99	119	942952	20.069	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1027034	20.508	ug/l	100
85) sec-Butylbenzene	13.17	105	1183559	19.424	ug/l	99
86) p-Isopropyltoluene	13.29	119	1045976	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	555145	20.288	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	539119	20.056	ug/l	99
89) n-Butylbenzene	13.61	91	758912	18.685	ug/l	99
90) Hexachloroethane	13.87	117	140589	15.883	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	566621	21.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41569	20.546	ug/l	98

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ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Quant Time: Mar 19 07:52:51 2019
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

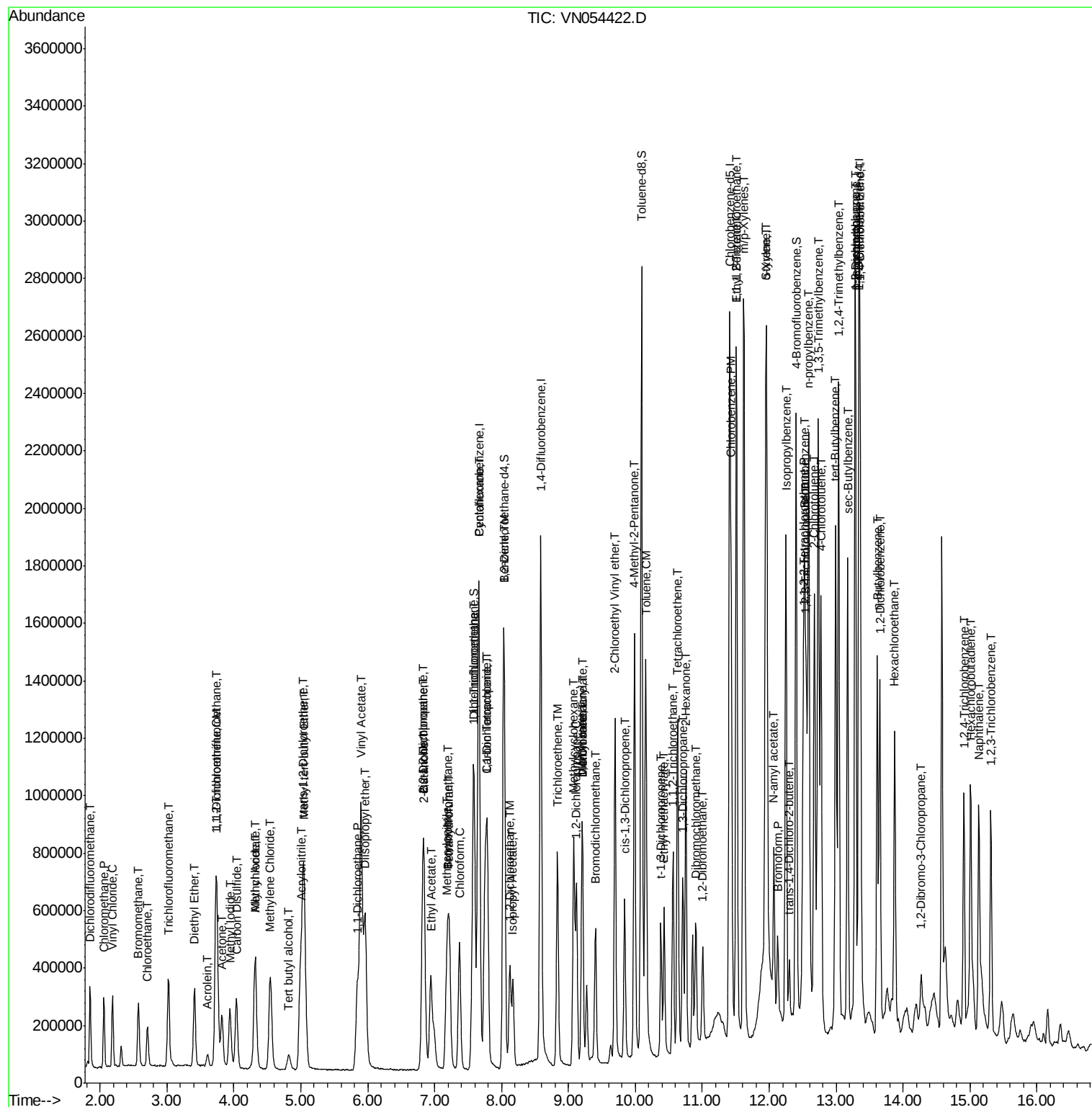
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	299799	20.146	ug/l	99
94) Hexachlorobutadiene	15.01	225	167259	16.415	ug/l	99
95) Naphthalene	15.13	128	711370	23.147	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	317580	22.344	ug/l	98

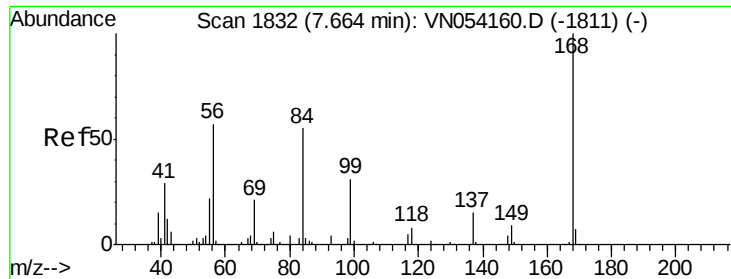
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054422.D
 Acq On : 19 Mar 2019 5:02
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 Sample : VN0318WBSD02
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
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Instrument :
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

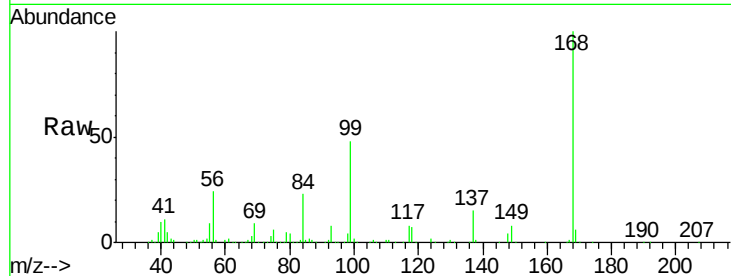
VN0318WBSD02

Tot Ion:168 Resp: 1172129

Ion Ratio Lower Upper

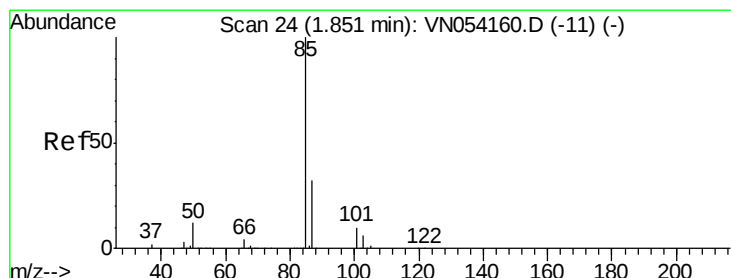
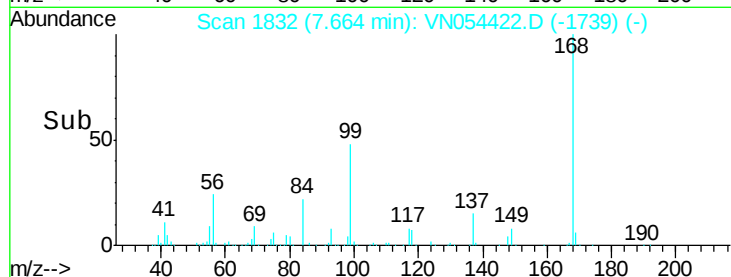
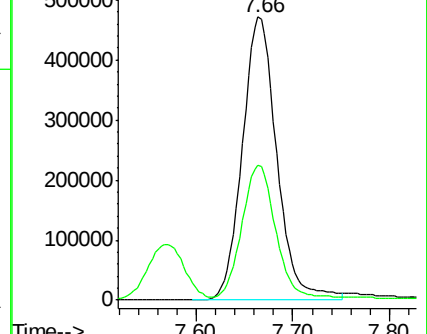
168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.025 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054422.D

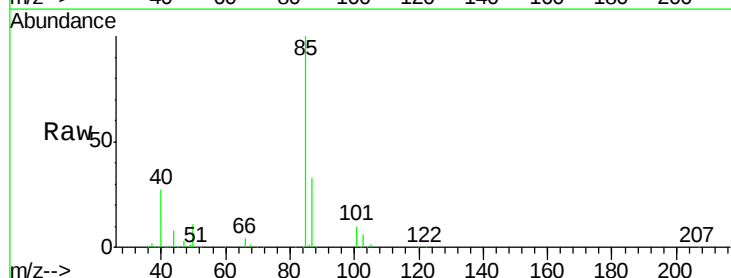
Acq: 19 Mar 2019 5:02

Tgt Ion: 85 Resp: 222451

Ion Ratio Lower Upper

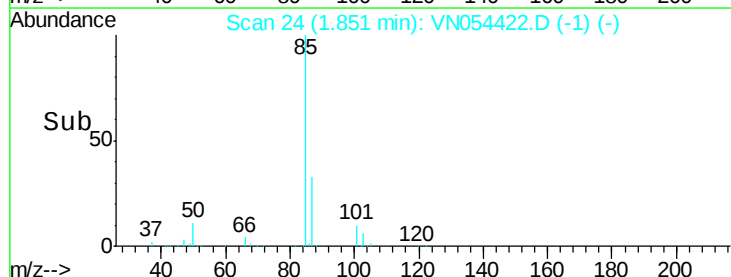
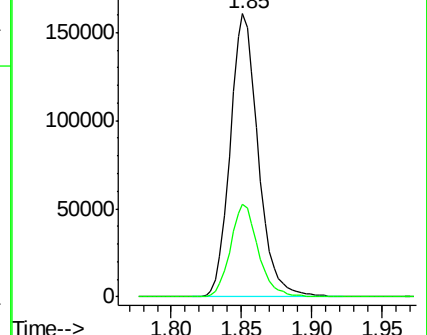
85 100

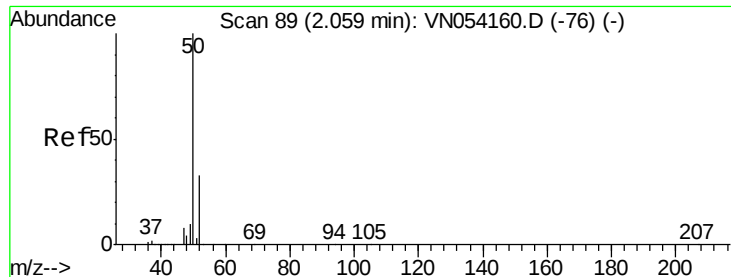
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.209 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

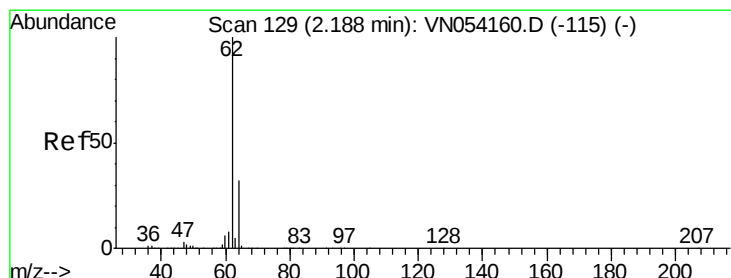
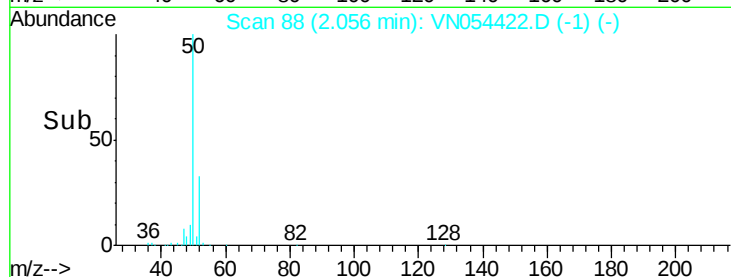
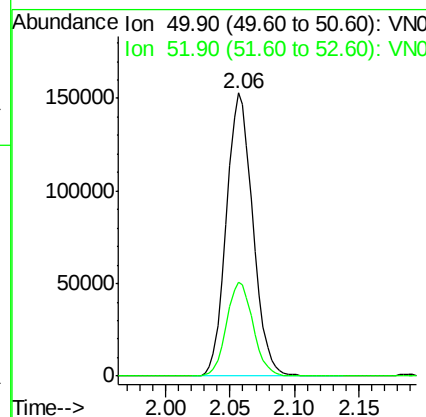
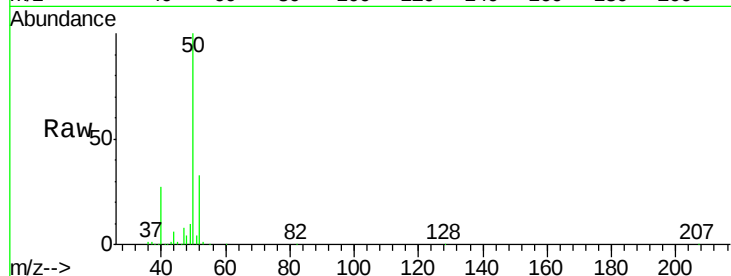
VN0318WBSD02

Tot Ion: 50 Resp: 218072

Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6



#4

Vinyl Chloride

Concen: 18.910 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054422.D

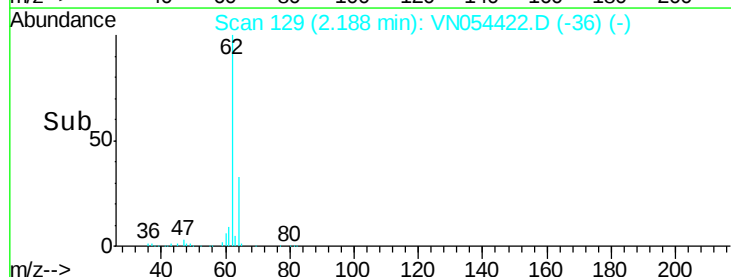
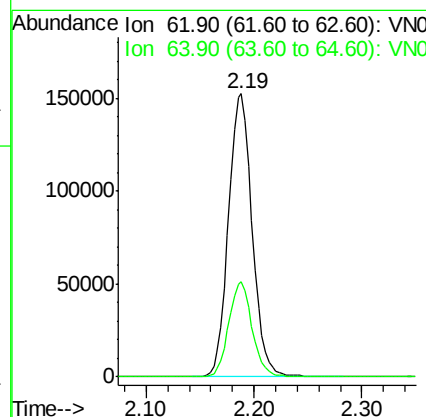
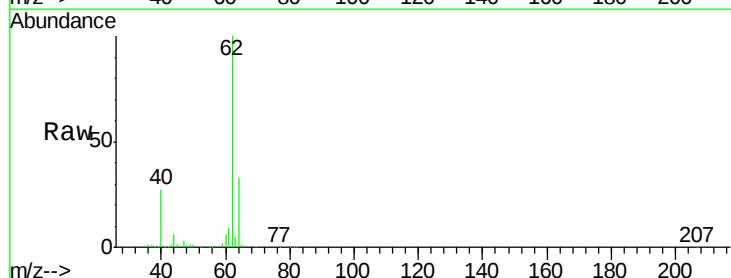
Acq: 19 Mar 2019 5:02

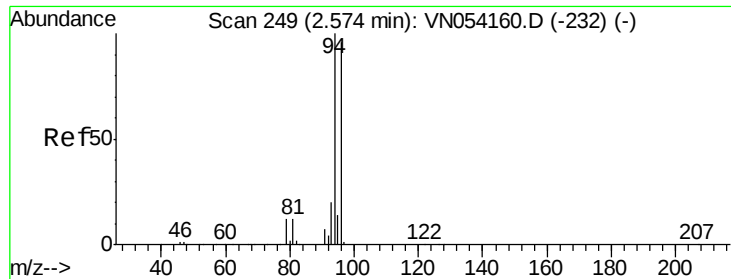
Tgt Ion: 62 Resp: 233222

Ion Ratio Lower Upper

62 100

64 33.5 25.5 38.3





#5

Bromomethane

Concen: 17.662 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

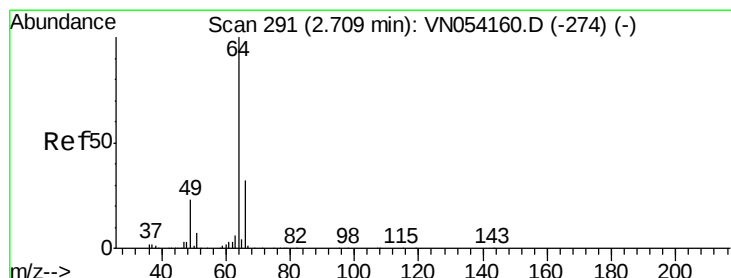
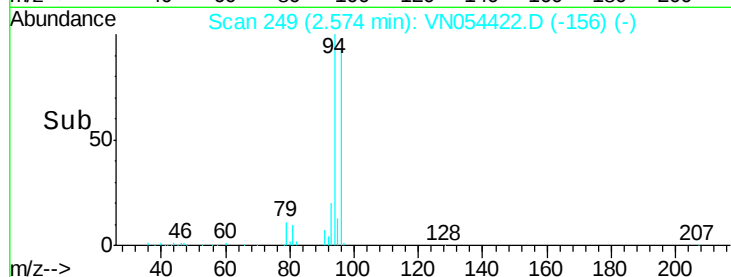
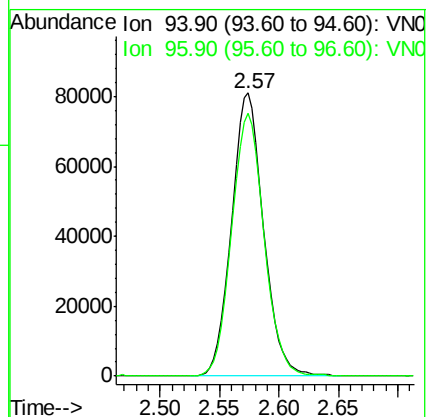
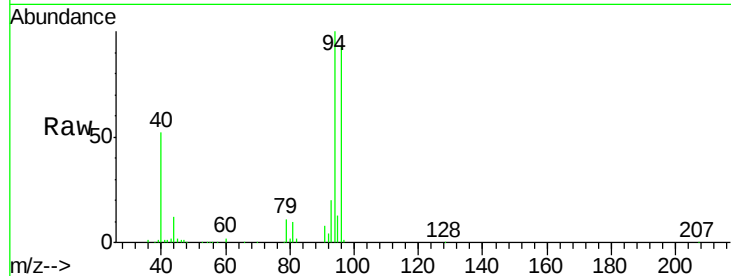
VN0318WBSD02

Tot Ion: 94 Resp: 150868

Ion Ratio Lower Upper

94 100

96 92.7 77.0 115.4



#6

Chloroethane

Concen: 18.819 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054422.D

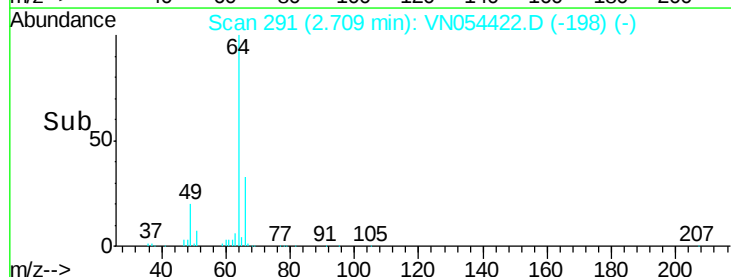
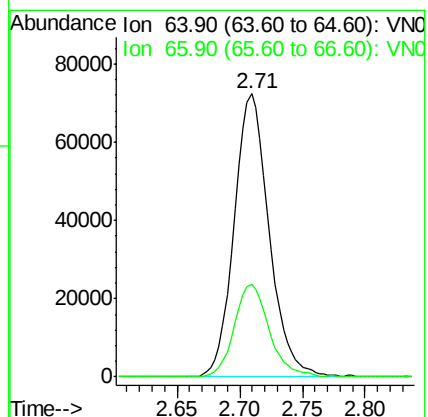
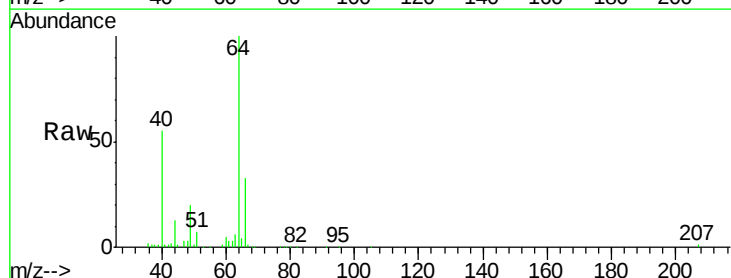
Acq: 19 Mar 2019 5:02

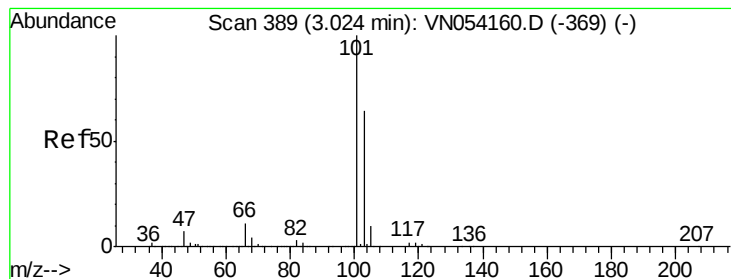
Tgt Ion: 64 Resp: 140433

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



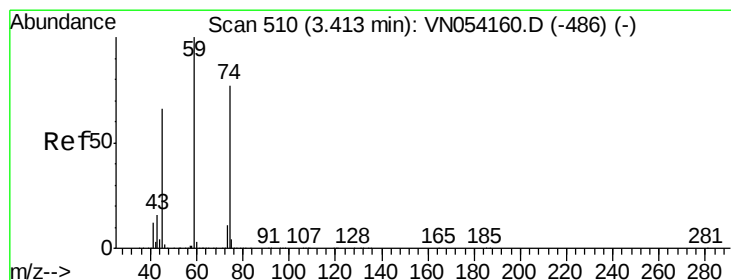
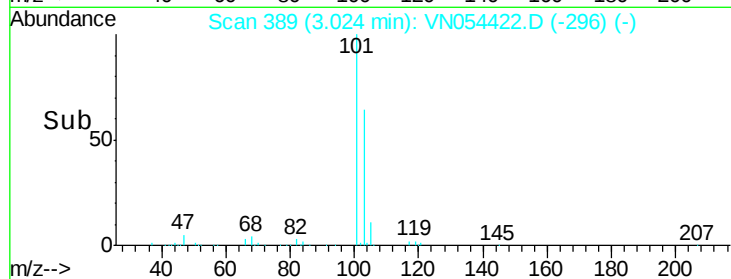
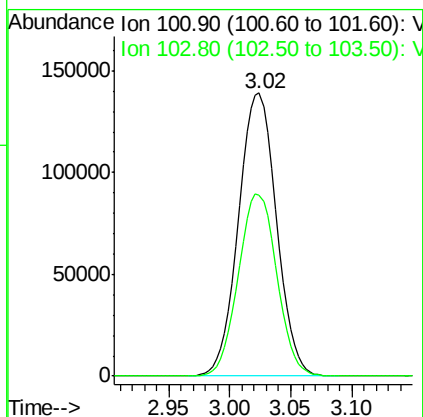
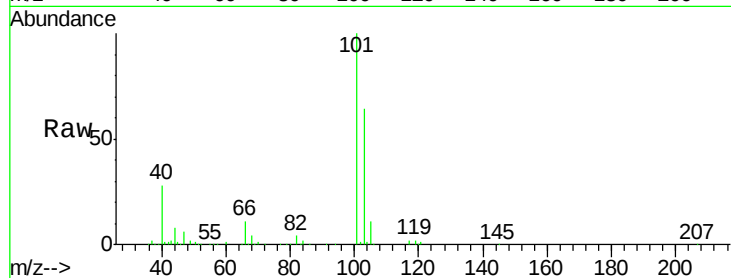


#7

Trichlorofluoromethane
 Concen: 18.253 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

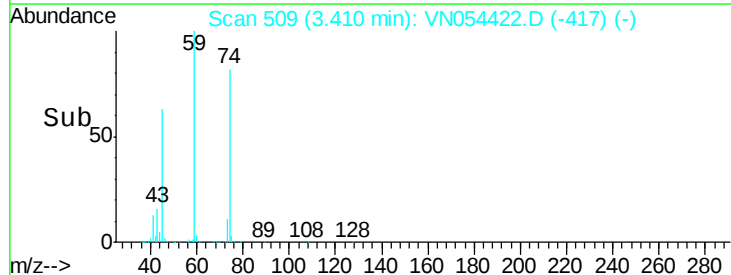
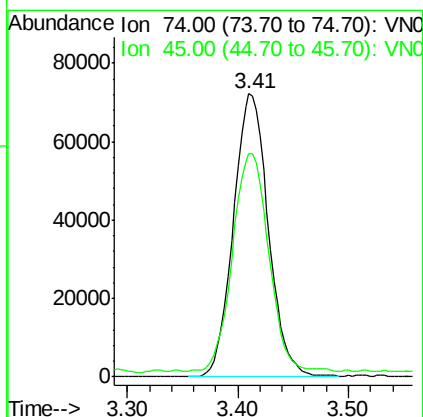
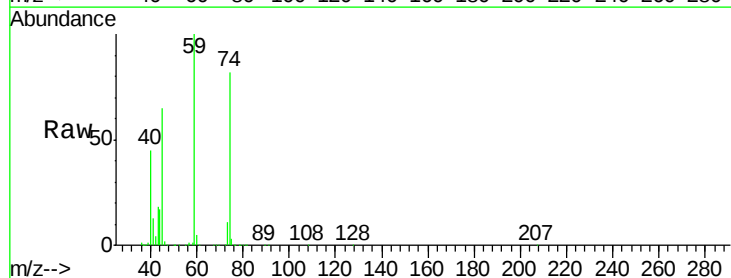
Tot Ion:101 Resp: 299308
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2

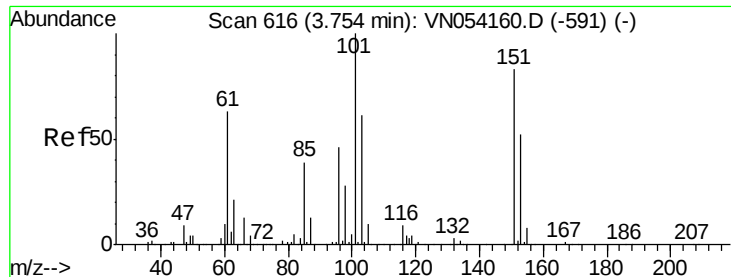


#8

Diethyl Ether
 Concen: 21.245 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion: 74 Resp: 158754
 Ion Ratio Lower Upper
 74 100
 45 79.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.086 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

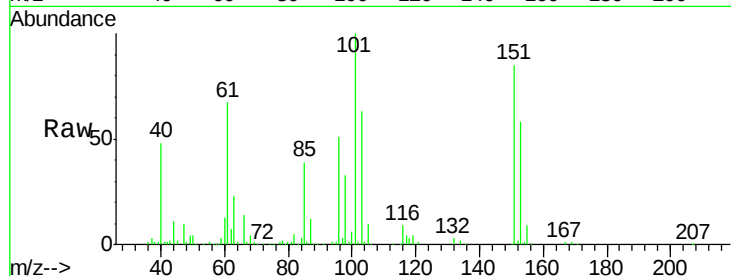
Tot Ion:101 Resp: 234531

Ion Ratio Lower Upper

101 100

85 41.0 32.4 48.6

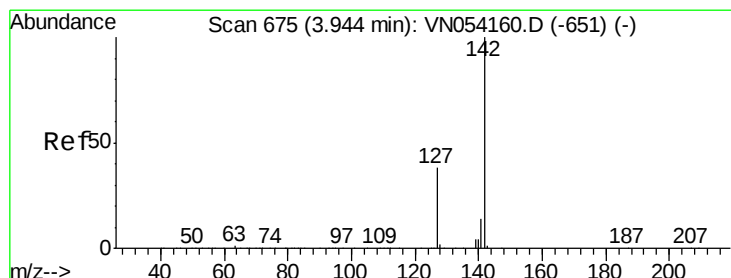
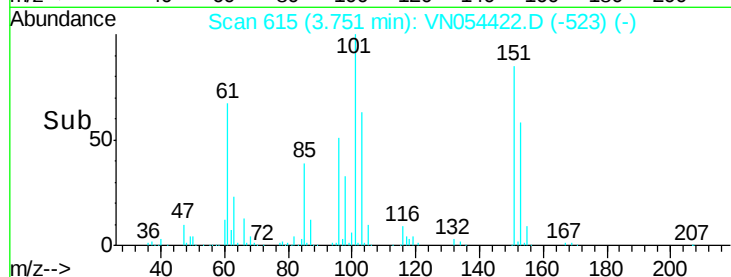
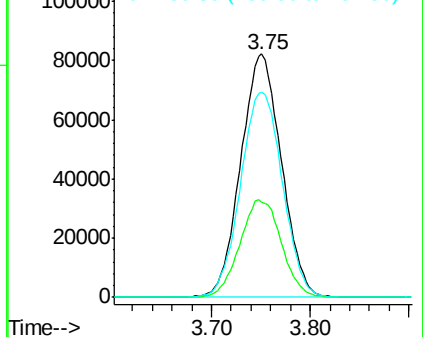
151 87.0 68.2 102.2



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: 19.568 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

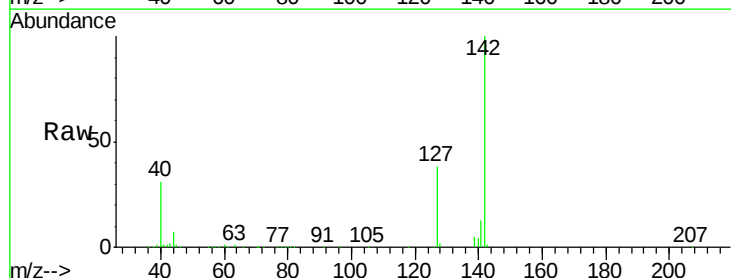
Tgt Ion:142 Resp: 325087

Ion Ratio Lower Upper

142 100

127 37.7 30.3 45.5

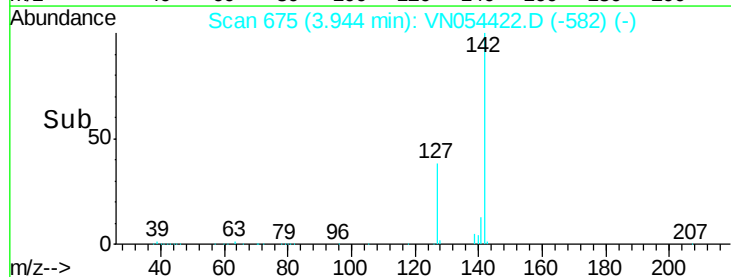
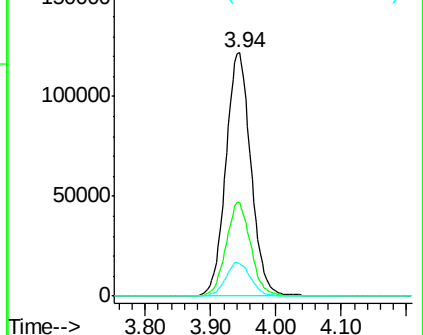
141 13.8 11.2 16.8

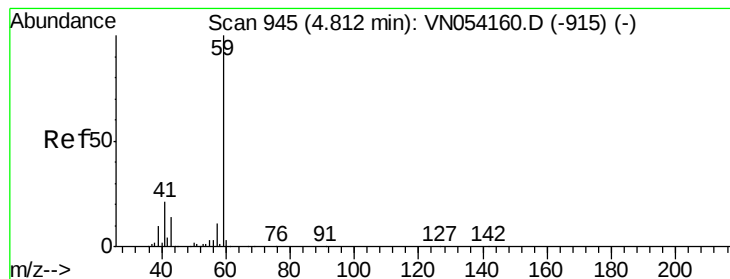


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 103.061 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

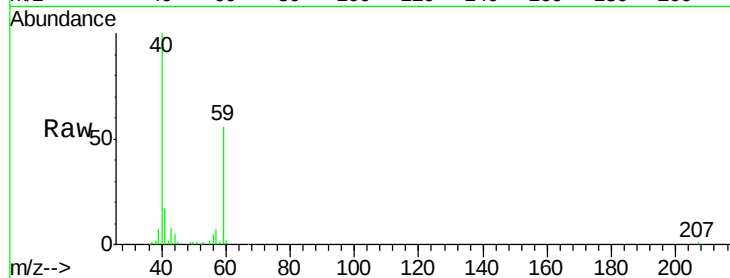
VN0318WBSD02

Tot Ion: 59 Resp: 87949

Ion Ratio Lower Upper

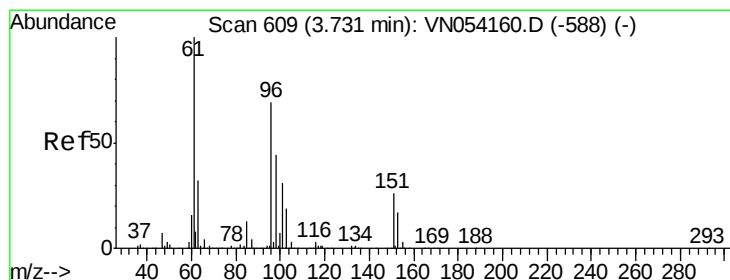
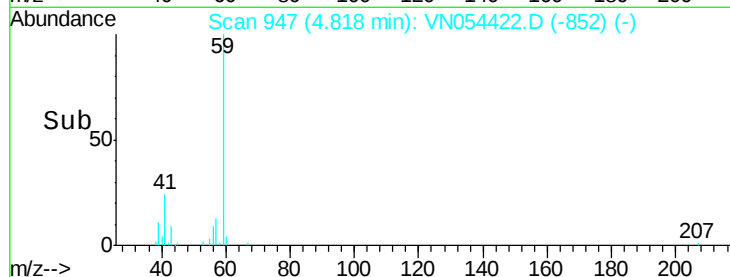
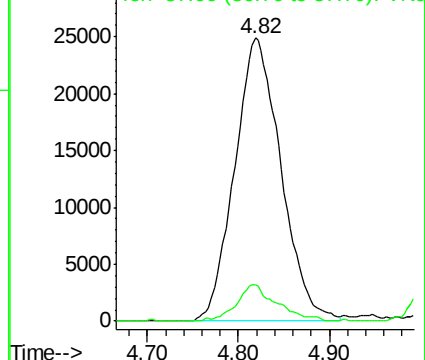
59 100

57 10.9 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



#12

1,1-Dichloroethene

Concen: 19.741 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

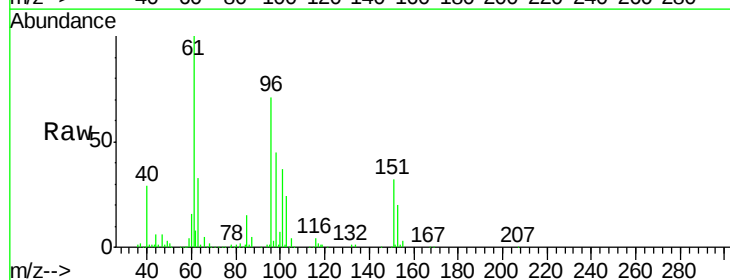
Tgt Ion: 96 Resp: 240391

Ion Ratio Lower Upper

96 100

61 140.1 116.5 174.7

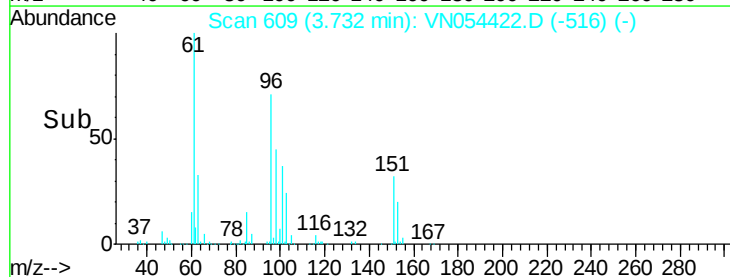
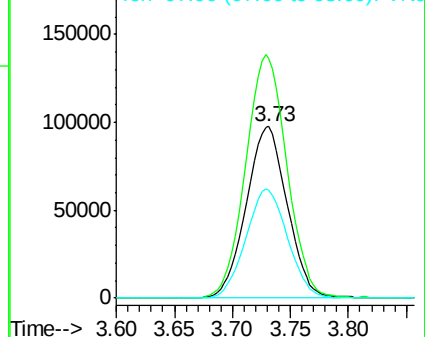
98 62.8 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#13

Acrolein

Concen: 59.735 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

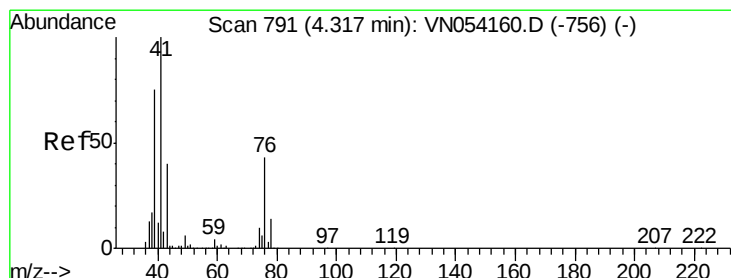
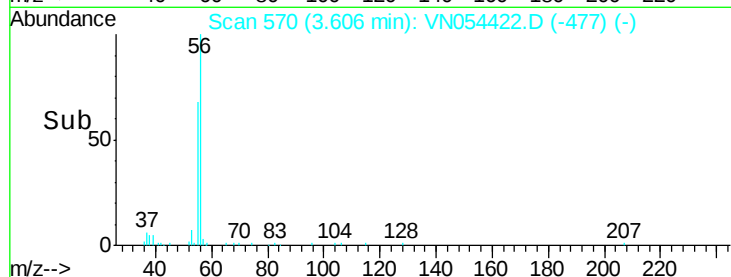
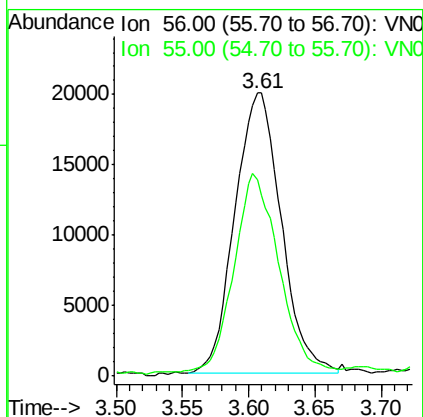
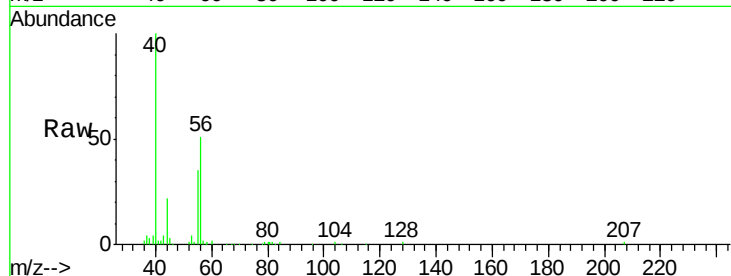
VN0318WBSD02

Tot Ion: 56 Resp: 48304

Ion Ratio Lower Upper

56 100

55 68.1 56.7 85.1



#14

Allyl chloride

Concen: 19.977 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

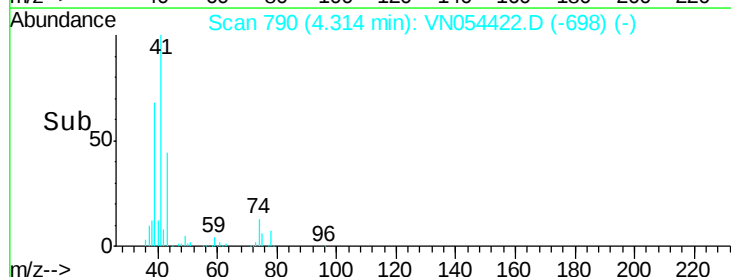
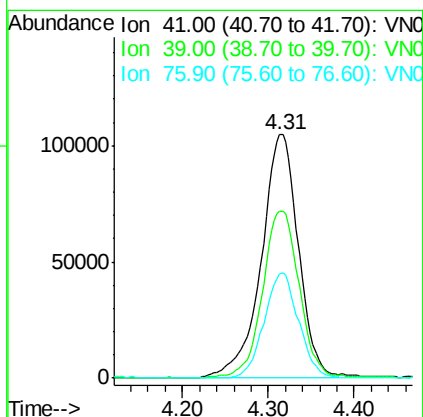
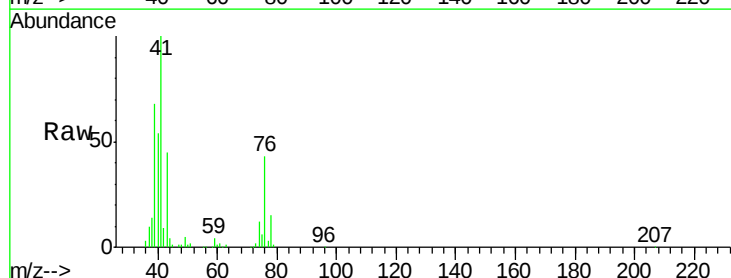
Tgt Ion: 41 Resp: 312118

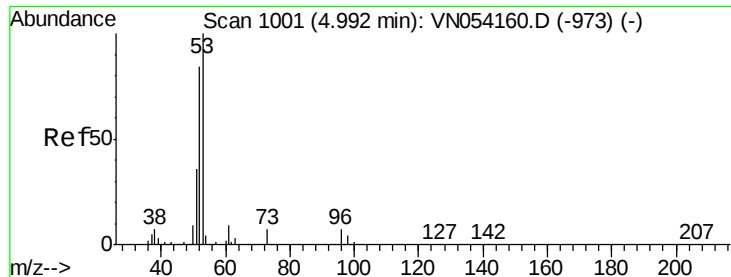
Ion Ratio Lower Upper

41 100

39 67.9 58.2 87.4

76 40.4 31.7 47.5





#15

Acrylonitrile

Concen: 124.842 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

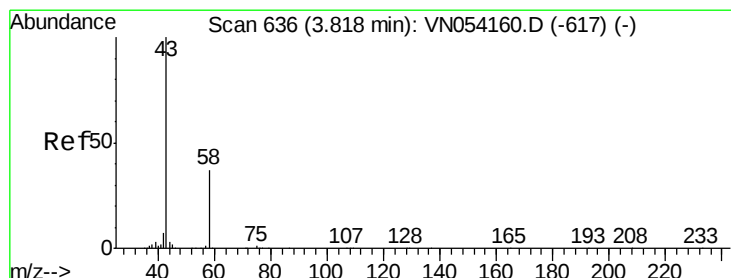
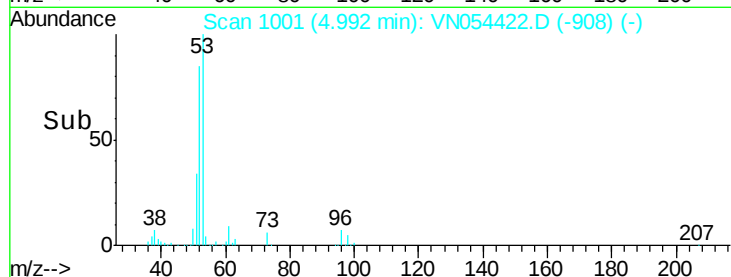
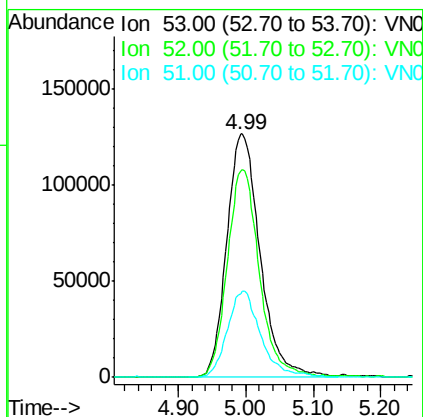
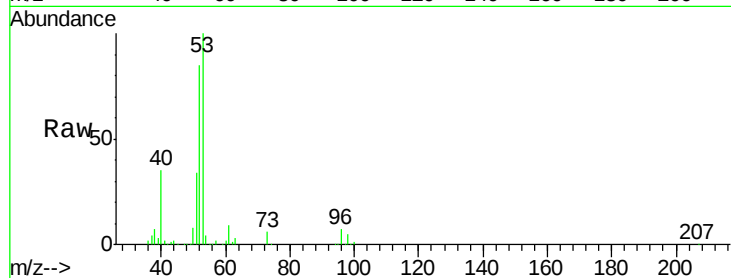
Tot Ion: 53 Resp: 437618

Ion Ratio Lower Upper

53 100

52 81.5 66.4 99.6

51 35.5 29.6 44.4



#16

Acetone

Concen: 76.837 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054422.D

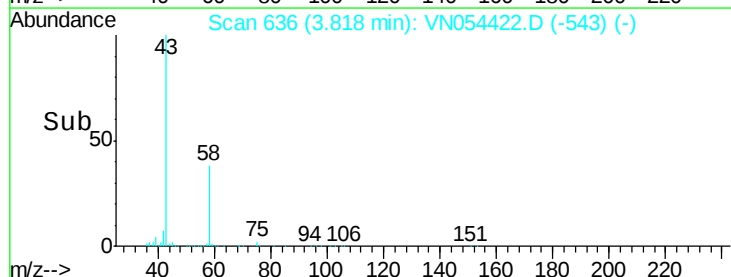
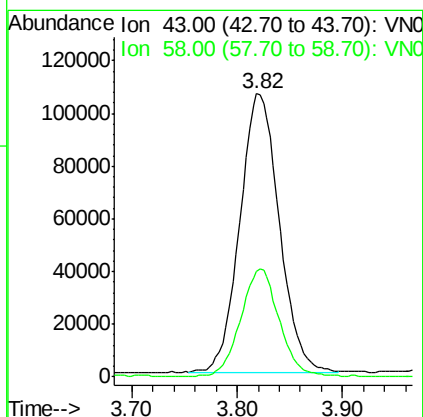
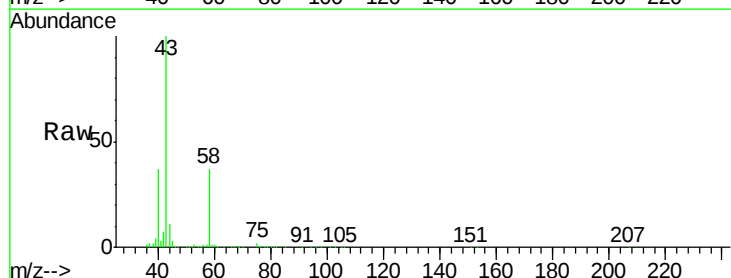
Acq: 19 Mar 2019 5:02

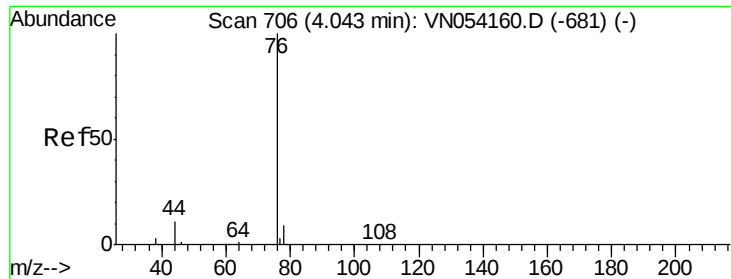
Tgt Ion: 43 Resp: 273860

Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9





#17

Carbon Disulfide

Concen: 16.184 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

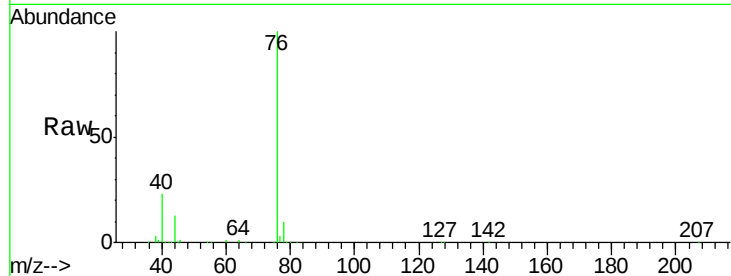
VN0318WBSD02

Tot Ion: 76 Resp: 494027

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

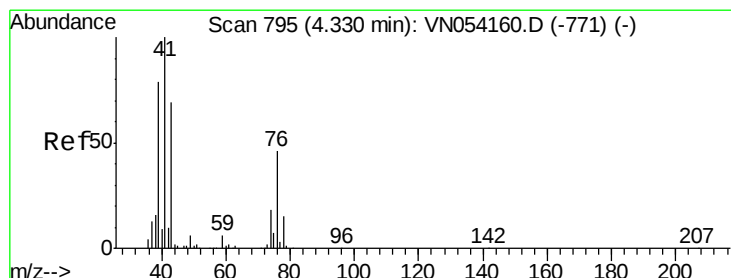
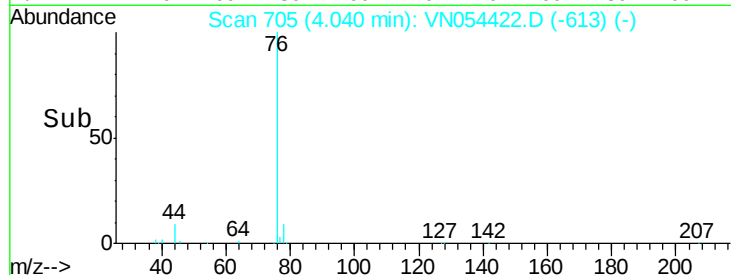
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 28.042 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054422.D

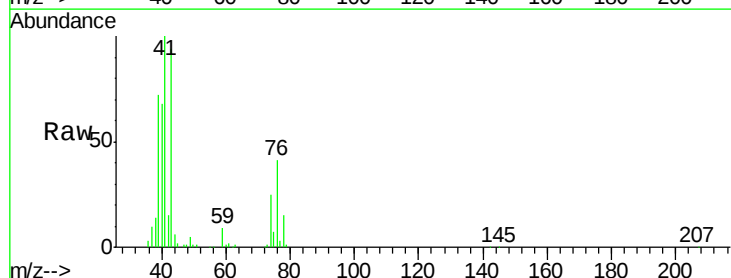
Acq: 19 Mar 2019 5:02

Tgt Ion: 43 Resp: 202205

Ion Ratio Lower Upper

43 100

74 27.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

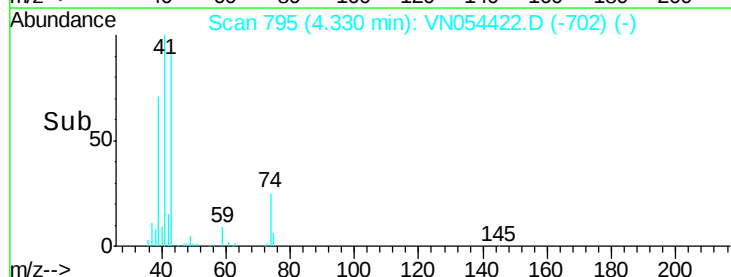
60000

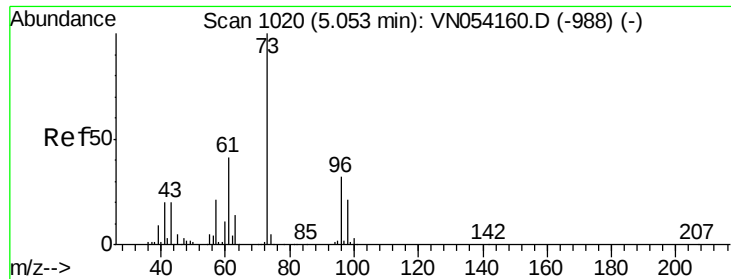
40000

20000

0

Time--> 4.20 4.30 4.40

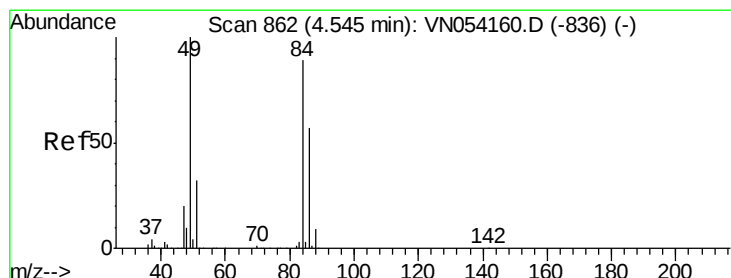
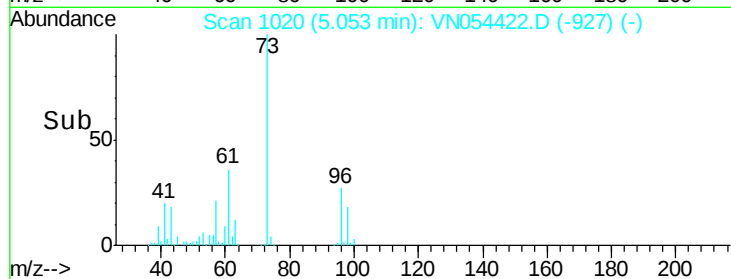
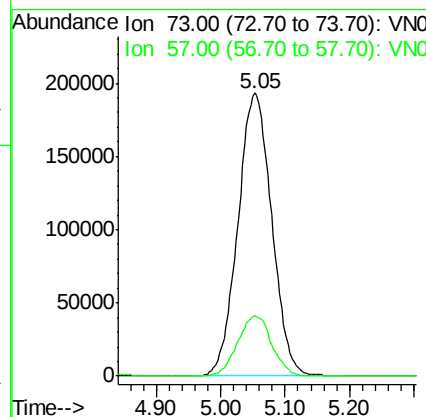
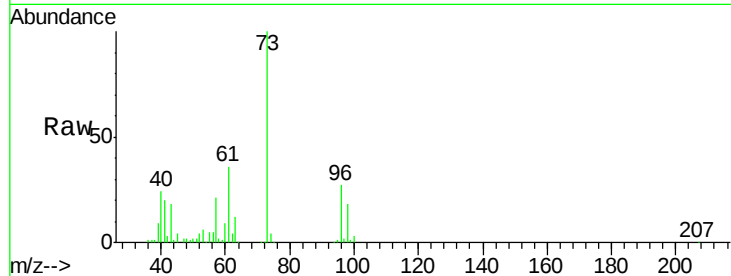




#19
Methvl tert-butvl Ether
Concen: 23.428 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

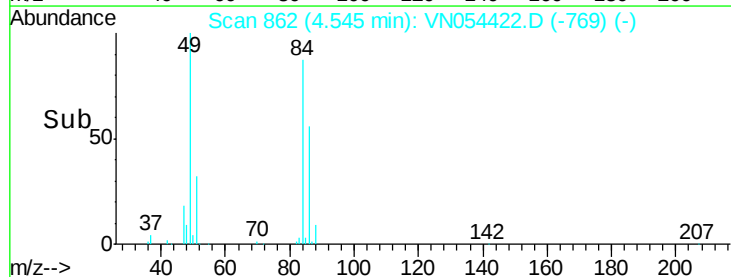
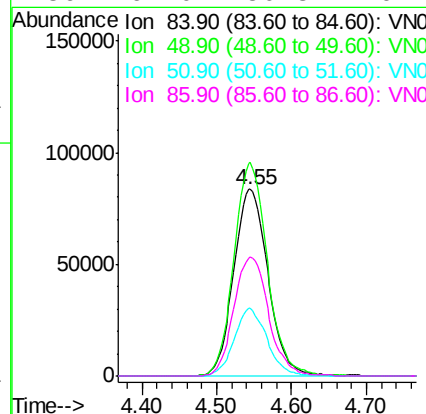
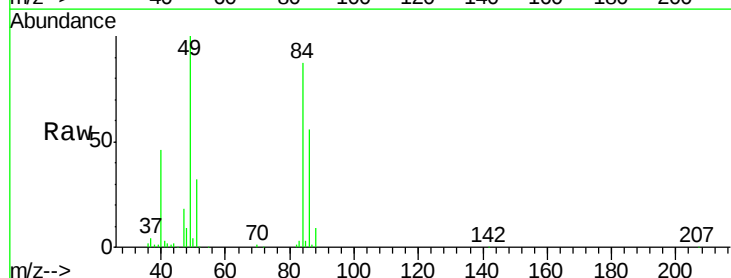
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

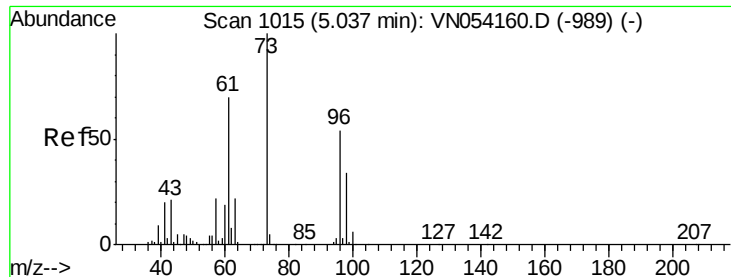
Tot Ion: 73 Resp: 707148
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2



#20
Methylene Chloride
Concen: 22.812 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 84 Resp: 266975
Ion Ratio Lower Upper
84 100
49 114.3 89.7 134.5
51 36.6 28.2 42.4
86 64.0 50.8 76.2

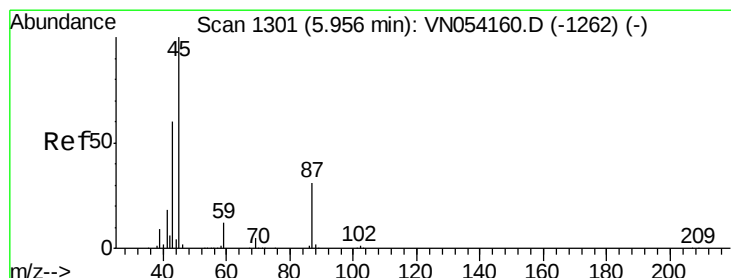
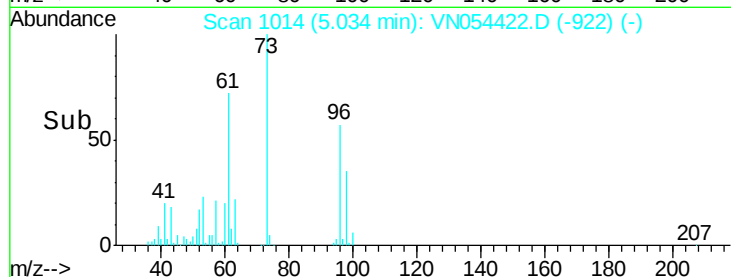
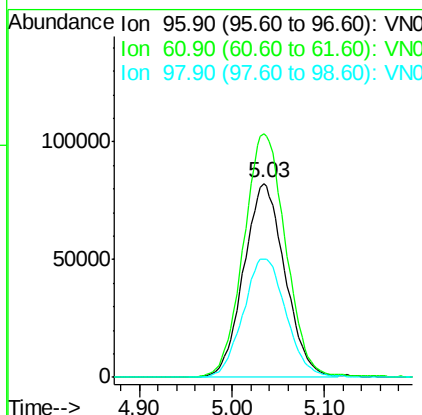
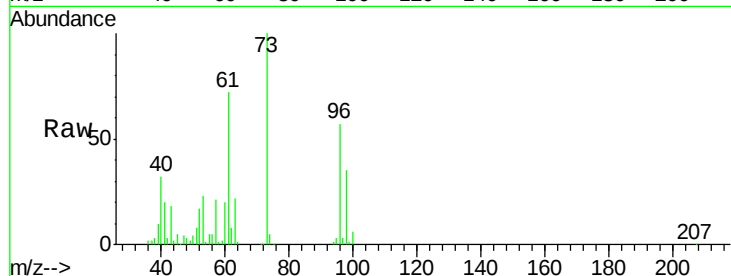




#21
trans-1,2-Dichloroethene
Concen: 21.804 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

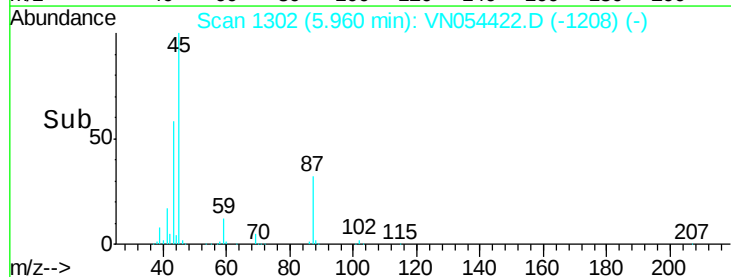
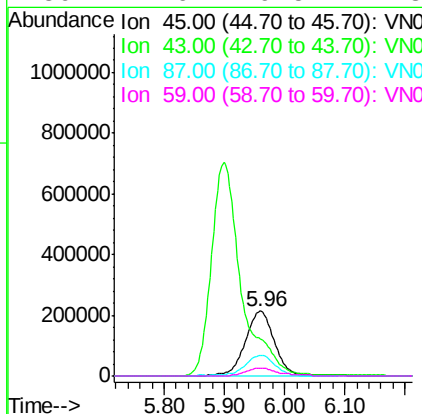
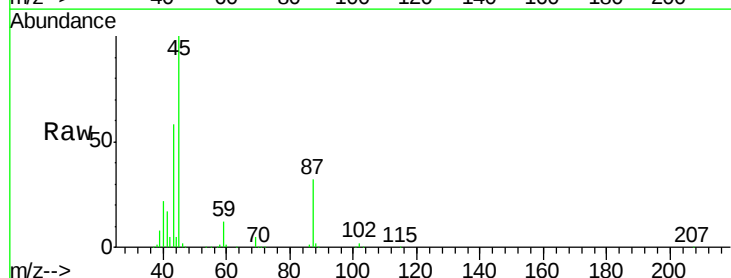
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

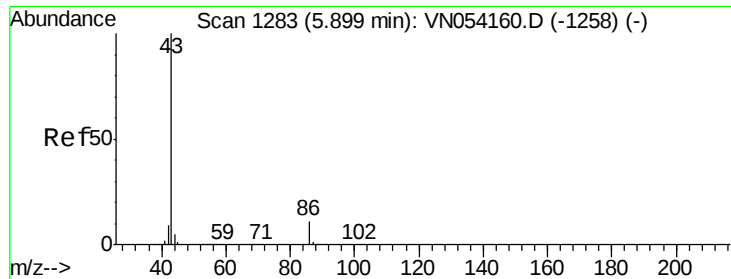
Tot Ion: 96 Resp: 254393
Ion Ratio Lower Upper
96 100
61 125.5 102.8 154.2
98 61.2 50.0 75.0



#22
Diisopropyl ether
Concen: 23.535 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 45 Resp: 733866
Ion Ratio Lower Upper
45 100
43 55.9 48.2 72.2
87 31.4 24.9 37.3
59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 104.867 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

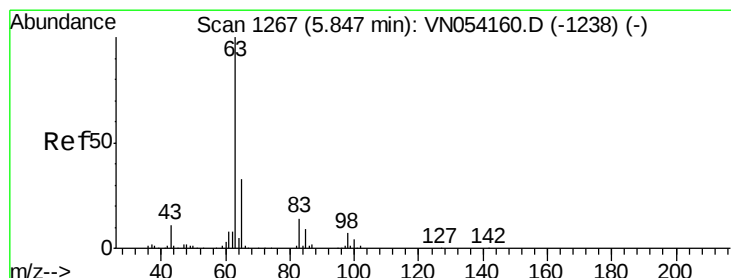
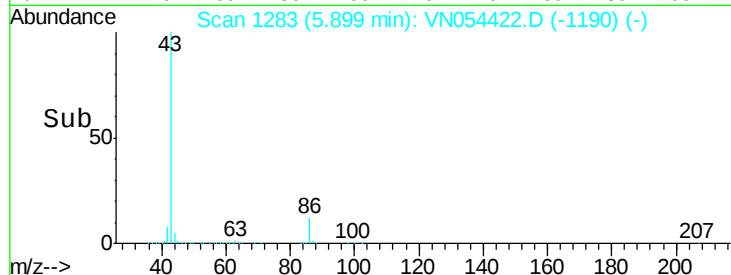
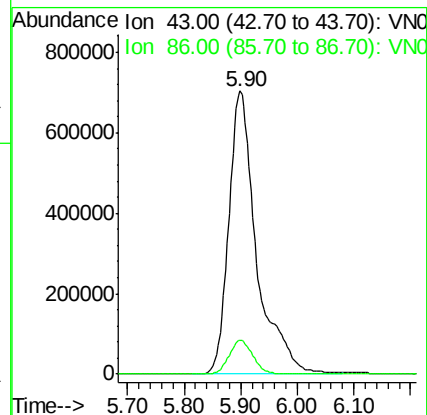
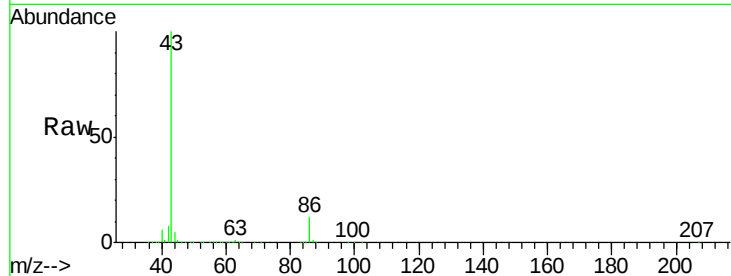
VN0318WBSD02

Tot Ion: 43 Resp: 2410977

Ion Ratio Lower Upper

43 100

86 11.9 9.1 13.7



#24

1,1-Dichloroethane

Concen: 23.207 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

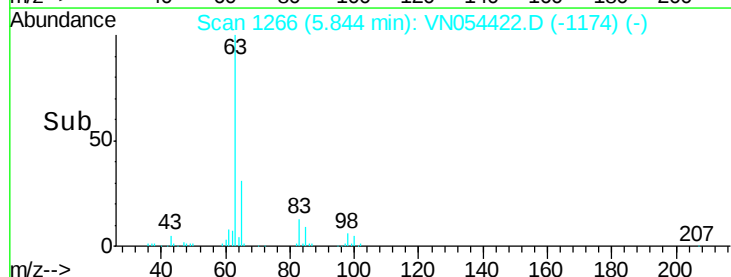
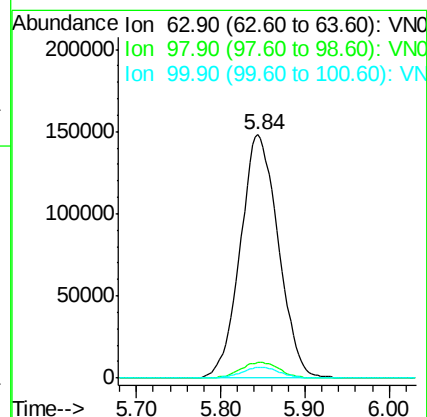
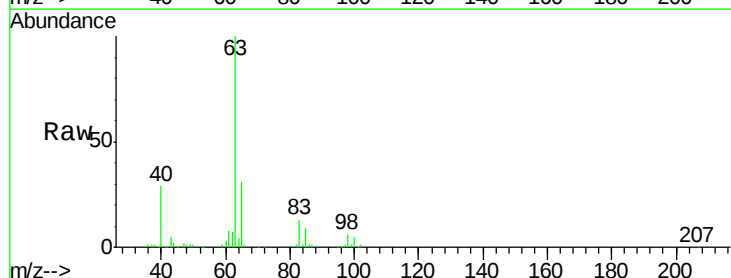
Tgt Ion: 63 Resp: 464631

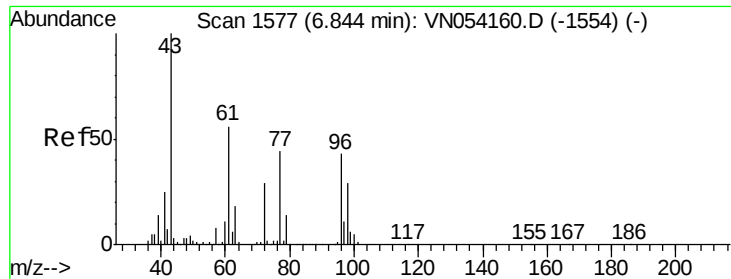
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 113.061 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampled :

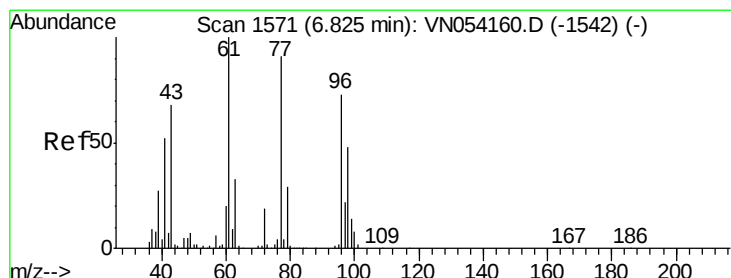
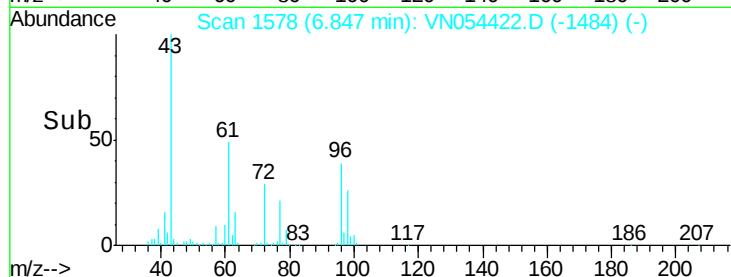
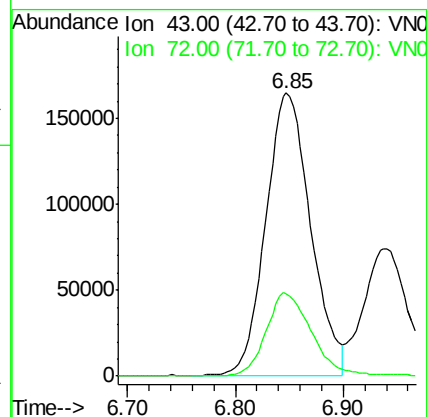
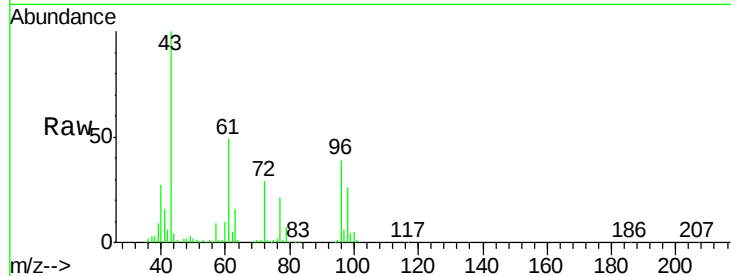
VN0318WBSD02

Tot Ion: 43 Resp: 472961

Ion Ratio Lower Upper

43 100

72 29.3 23.0 34.6



#26

2,2-Dichloropropane

Concen: 12.131 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054422.D

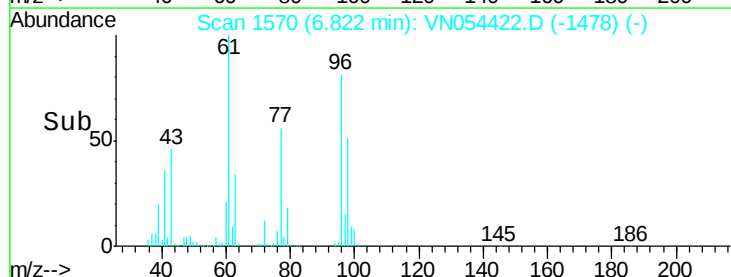
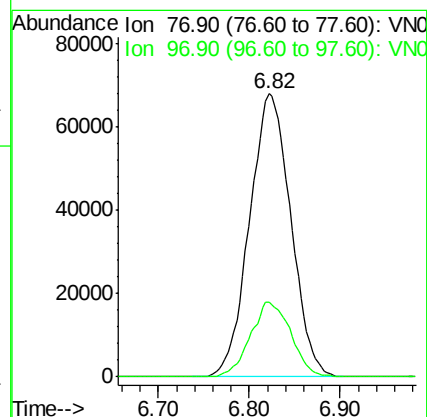
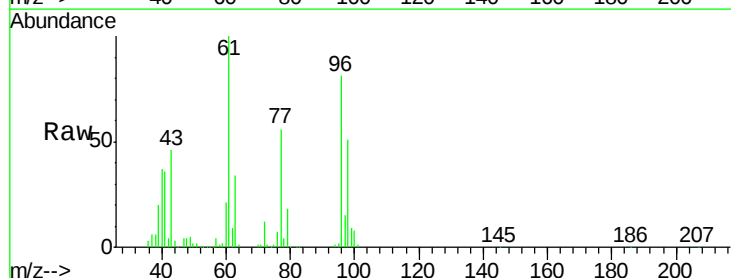
Acq: 19 Mar 2019 5:02

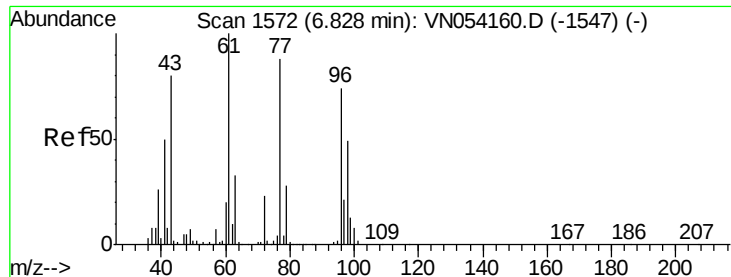
Tgt Ion: 77 Resp: 213596

Ion Ratio Lower Upper

77 100

97 25.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 23.179 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

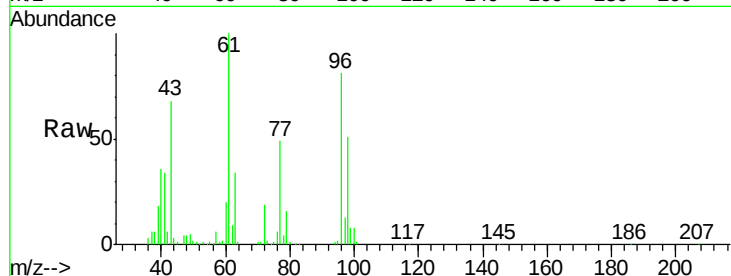
Tot Ion: 96 Resp: 301699

Ion Ratio Lower Upper

96 100

61 126.9 0.0 273.0

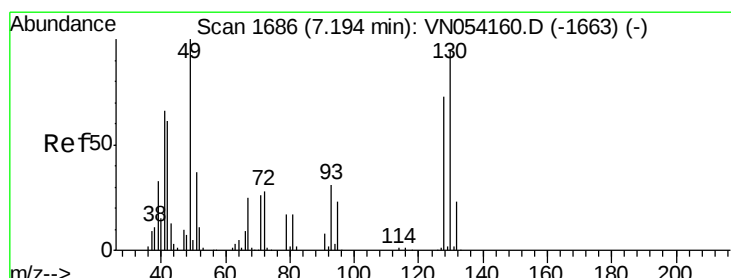
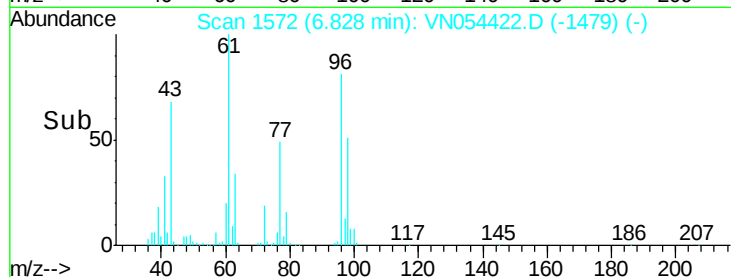
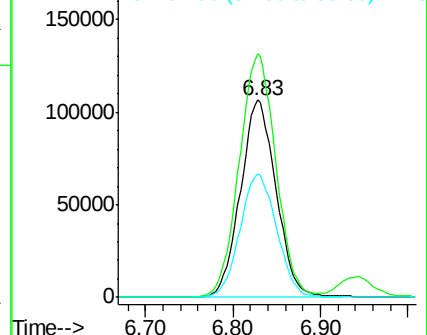
98 64.3 0.0 130.6



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: 21.017 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

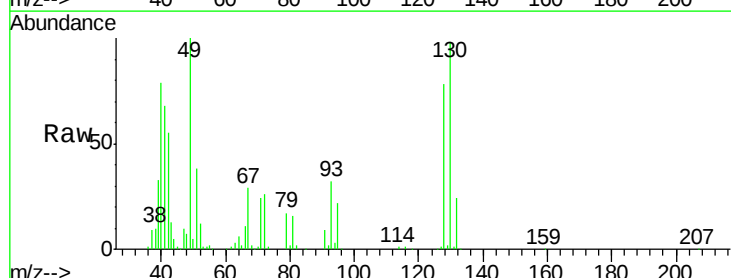
Tgt Ion: 49 Resp: 172026

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

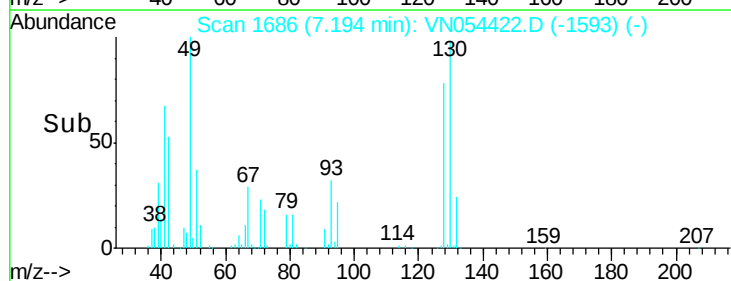
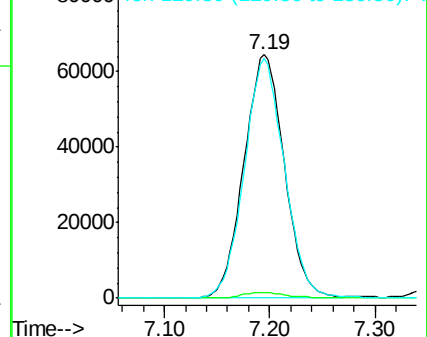
130 97.7 76.7 115.1

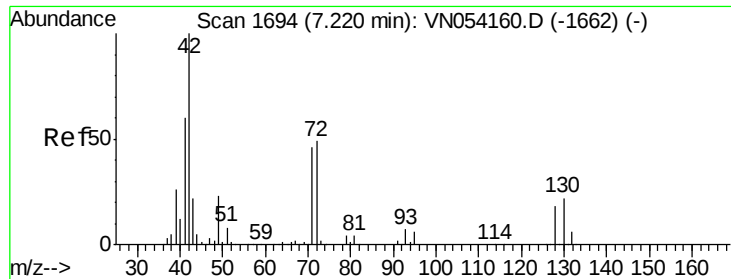


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 118.346 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

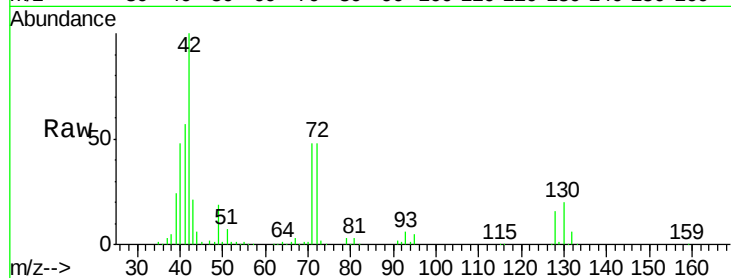
Tot Ion: 42 Resp: 318311

Ion Ratio Lower Upper

42 100

72 49.3 37.8 56.6

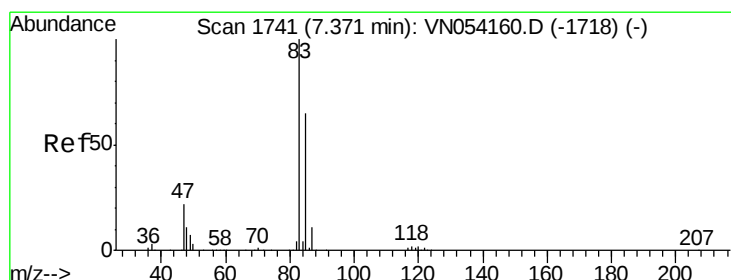
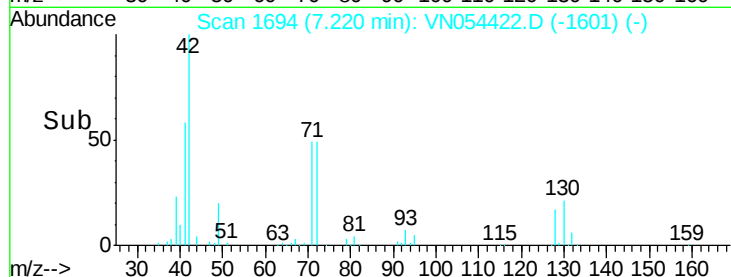
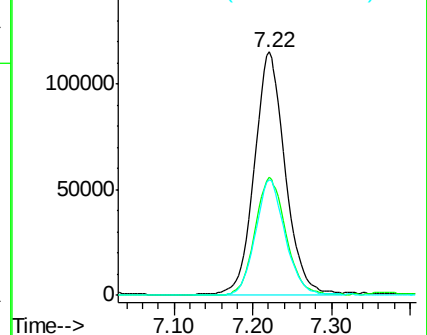
71 46.4 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 22.917 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054422.D

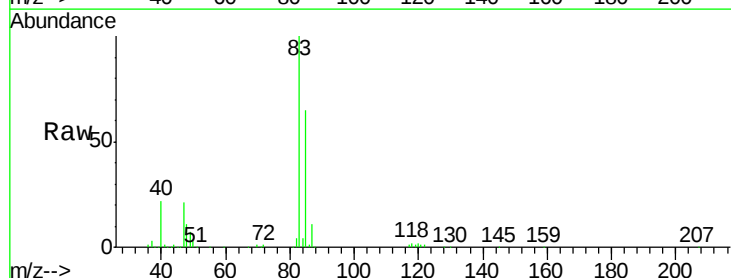
Acq: 19 Mar 2019 5:02

Tgt Ion: 83 Resp: 478779

Ion Ratio Lower Upper

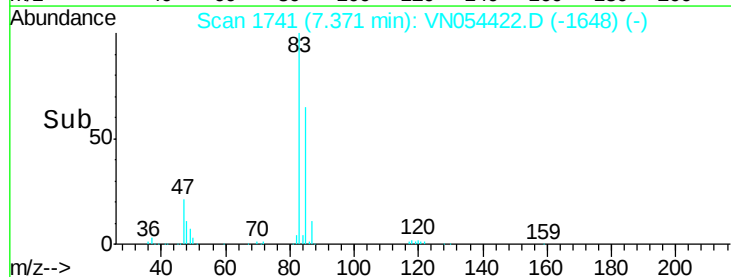
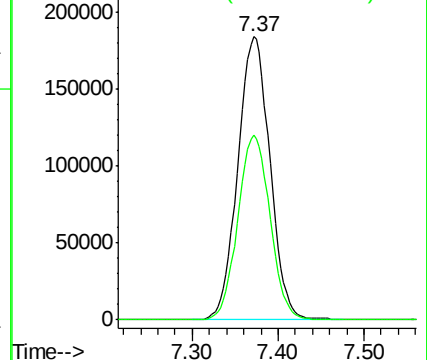
83 100

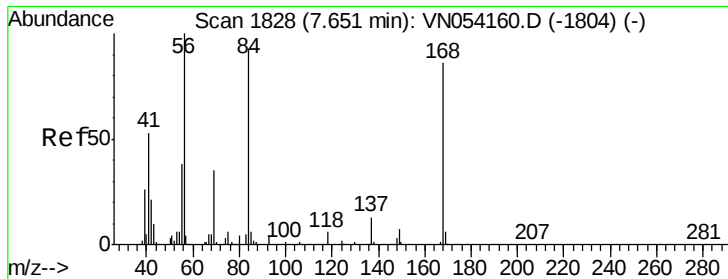
85 65.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

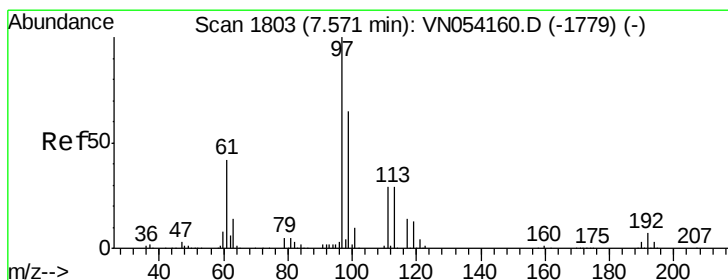
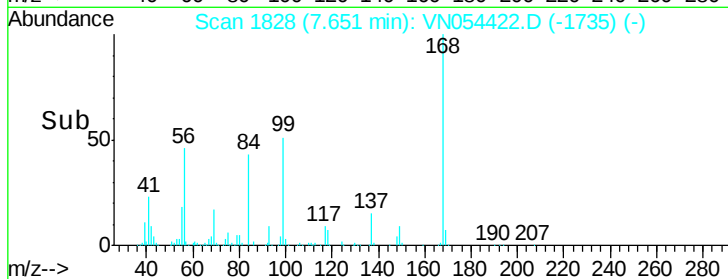
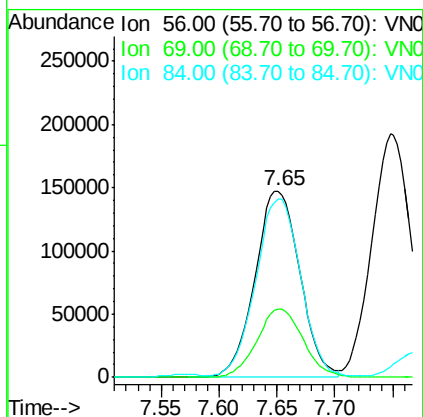
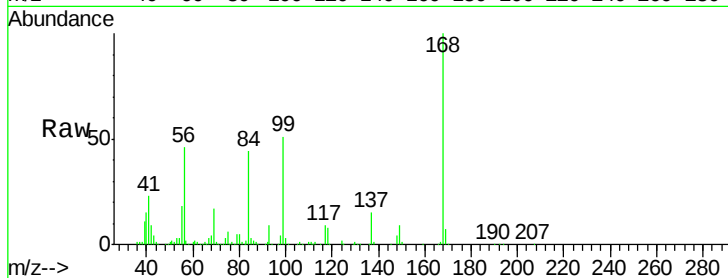




#31
Cyclohexane
Concen: 20.490 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

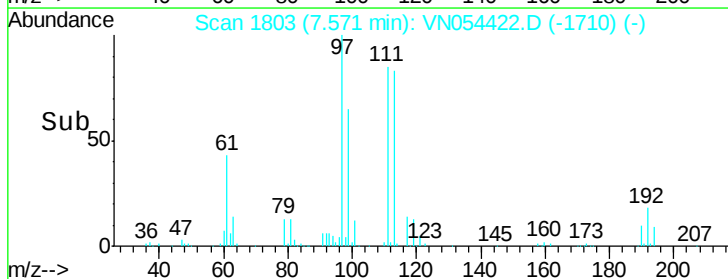
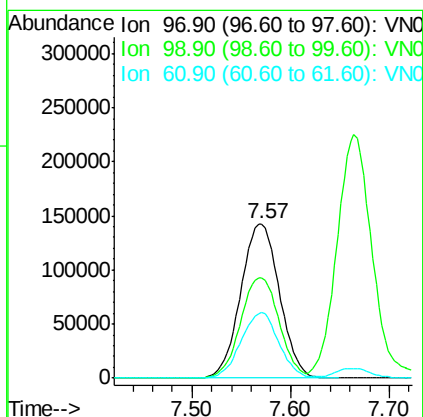
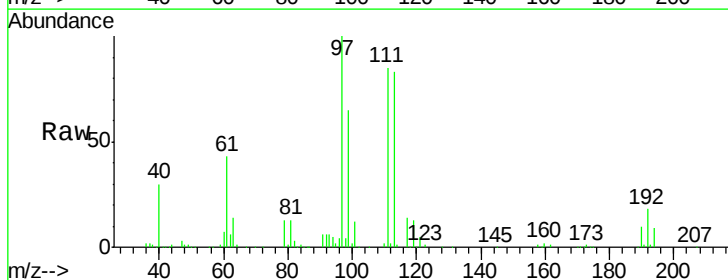
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

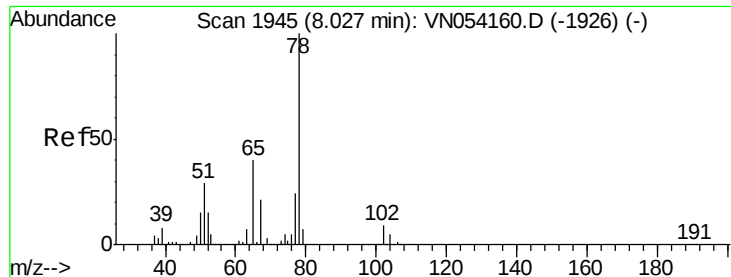
Tot Ion: 56 Resp: 397106
Ion Ratio Lower Upper
56 100
69 36.4 27.8 41.6
84 93.9 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.517 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 97 Resp: 387133
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 41.5 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 51.793 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

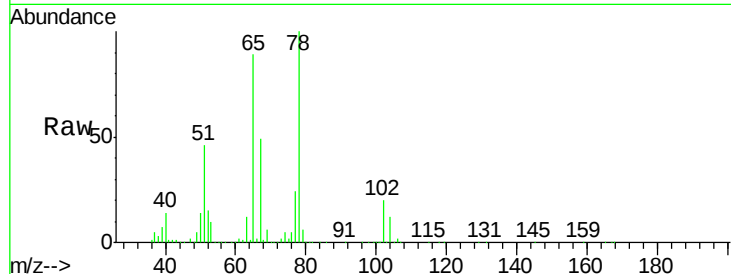
VN0318WBSD02

Tot Ion: 65 Resp: 644719

Ion Ratio Lower Upper

65 100

67 54.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

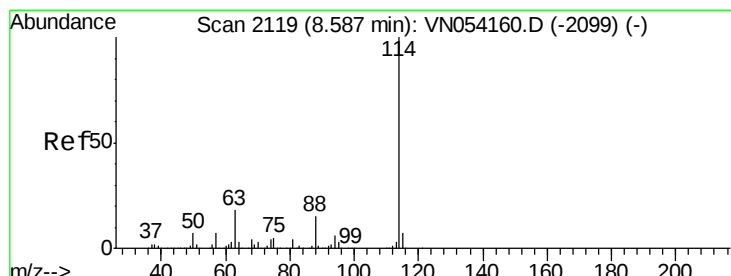
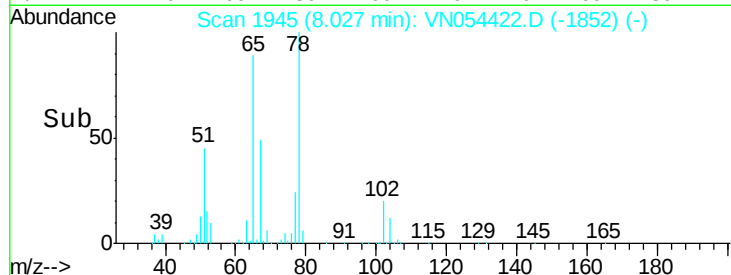
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

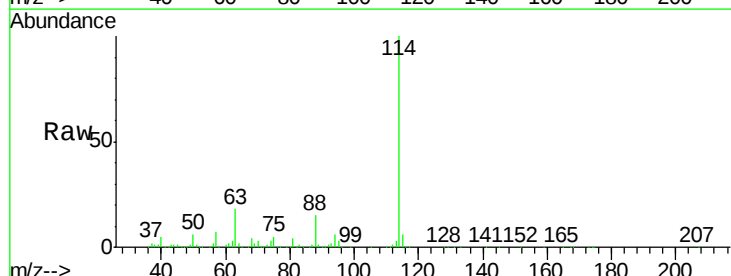
Tgt Ion:114 Resp: 1900606

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 14.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

1000000

800000

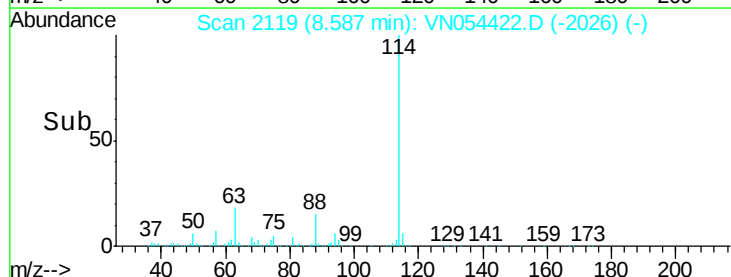
600000

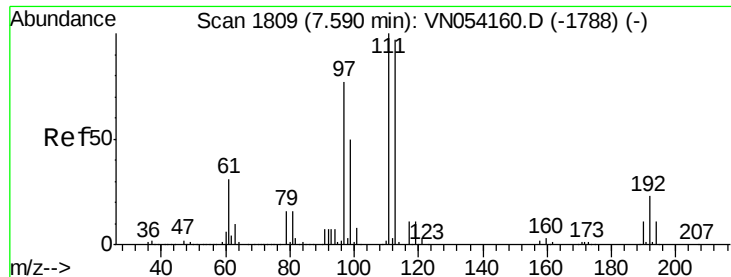
400000

200000

0

Time--> 8.40 8.60 8.80

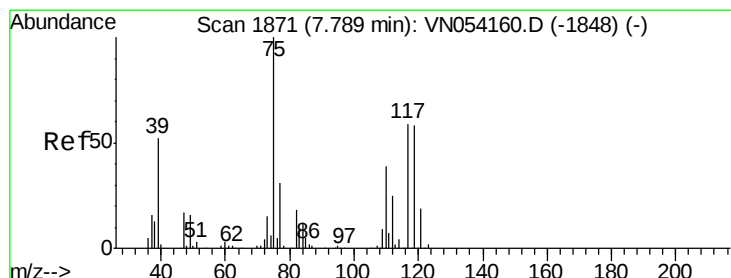
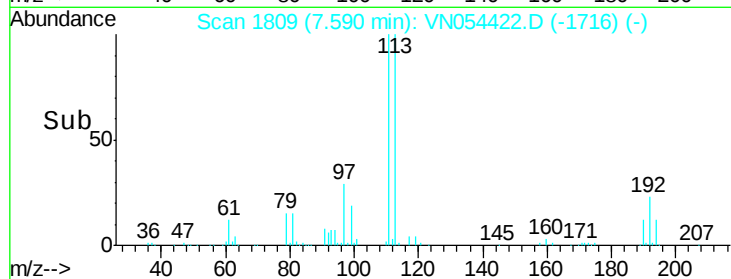
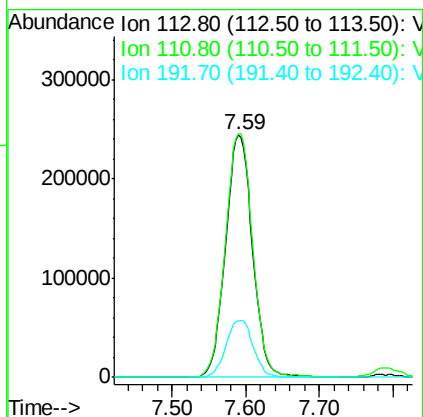
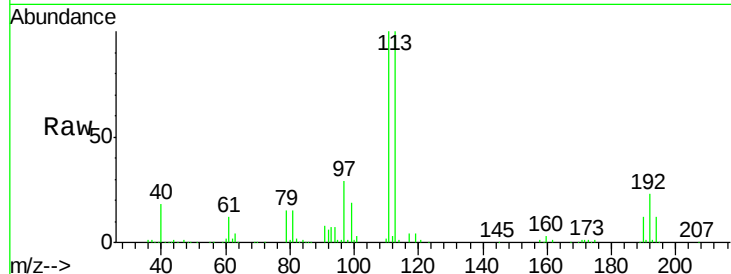




#35
 Dibromofluoromethane
 Concen: 50.612 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

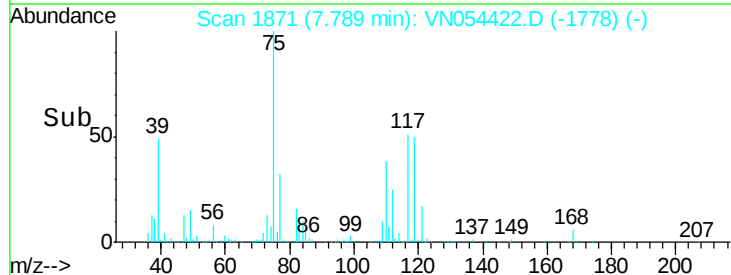
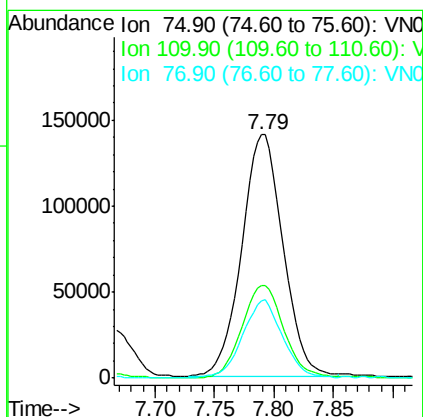
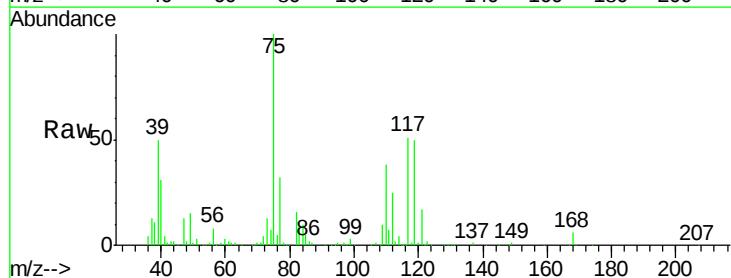
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

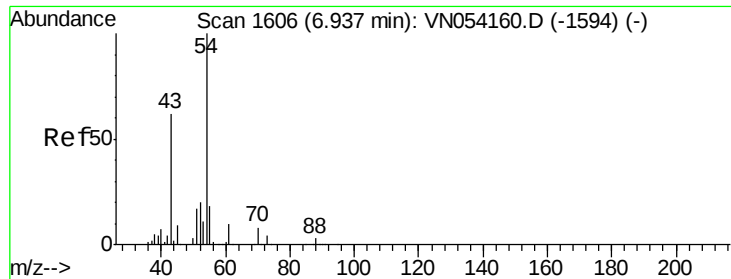
Tot Ion:113 Resp: 620412
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 23.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.237 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion: 75 Resp: 336713
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.1 57.5
 77 31.2 25.0 37.4

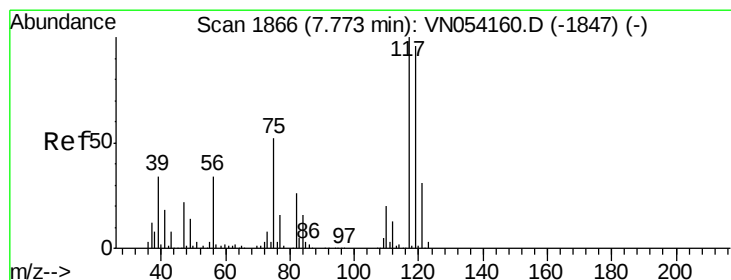
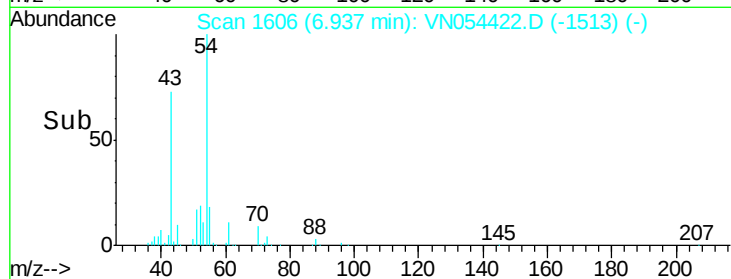
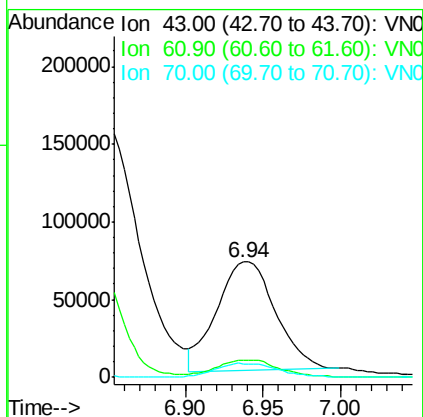
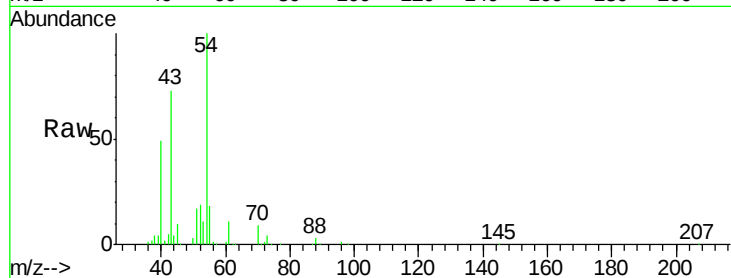




#37
Ethyl Acetate
Concen: 18.483 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

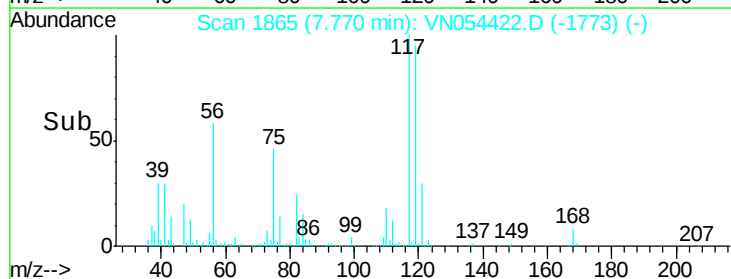
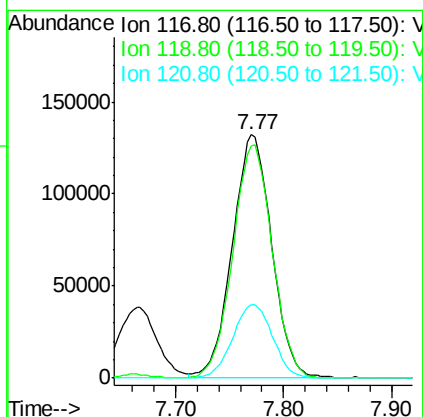
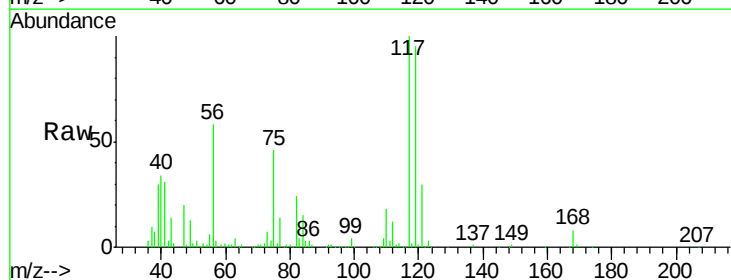
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

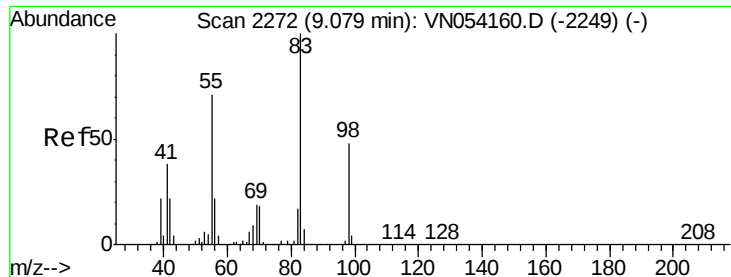
Tot Ion: 43 Resp: 185879
Ion Ratio Lower Upper
43 100
61 16.9 11.8 17.6
70 13.8 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 18.205 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 117 Resp: 334158
Ion Ratio Lower Upper
117 100
119 95.3 76.3 114.5
121 30.4 24.6 36.8

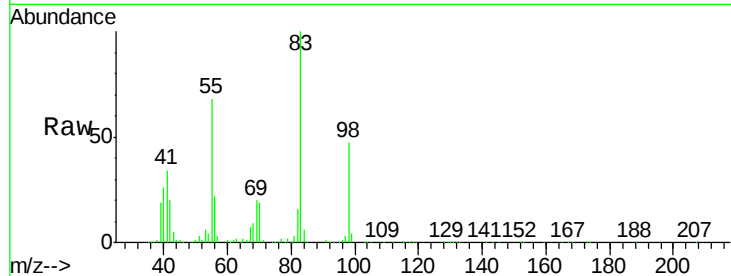




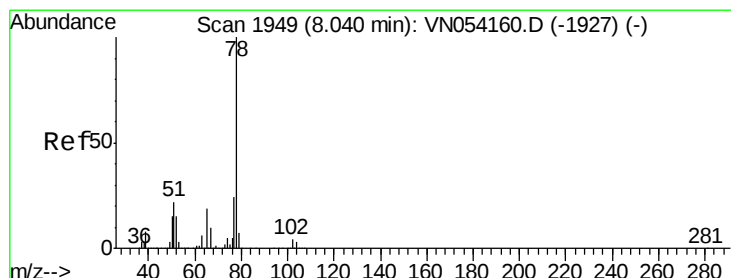
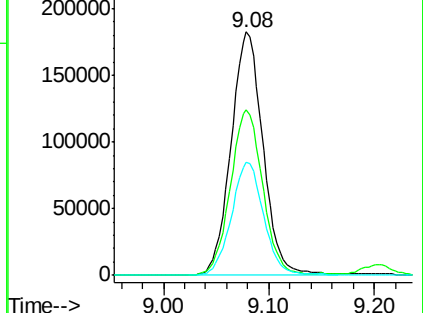
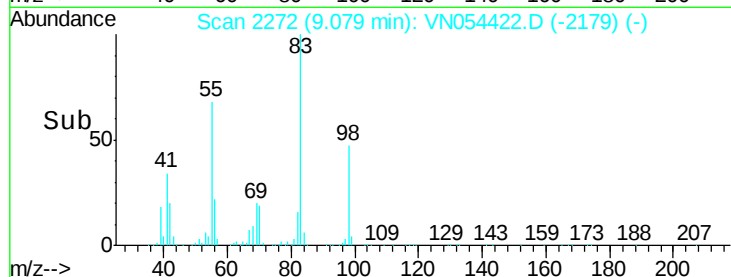
#39
Methvlcvclohexane
Concen: 17.755 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion	83	Resp	382350
Ion Ratio	Lower	Upper	
83	100		
55	68.0	56.6	84.8
98	46.6	38.4	57.6

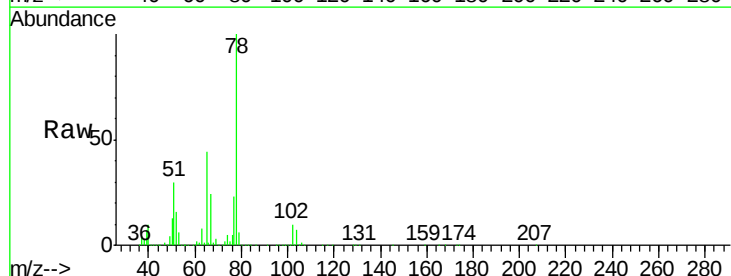


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

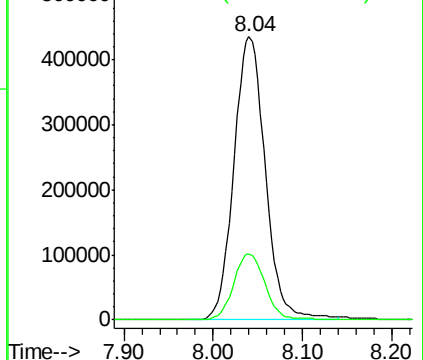
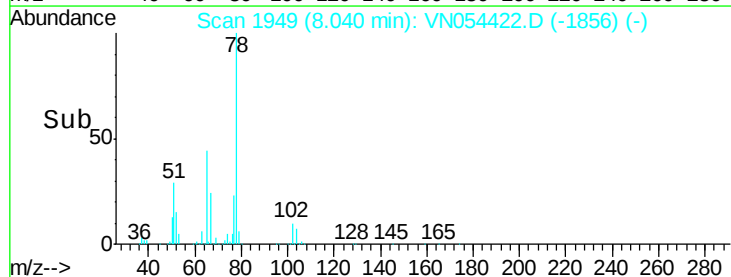


#40
Benzene
Concen: 21.301 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion	78	Resp	1066915
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.1	28.7



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

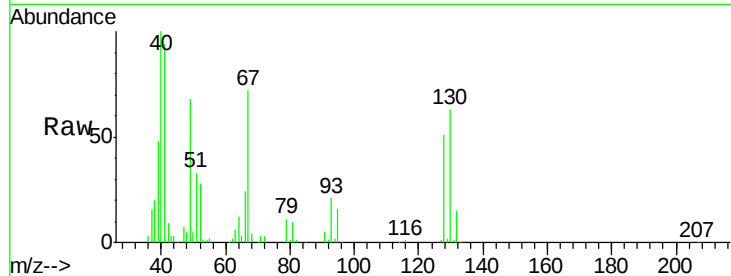




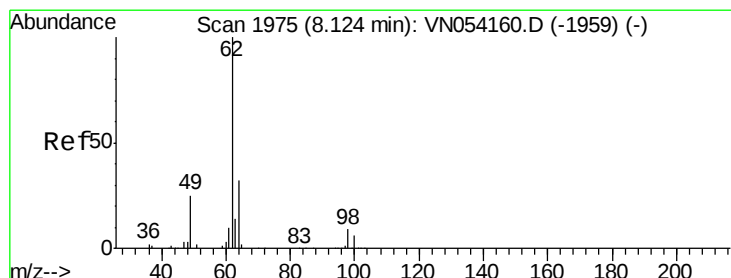
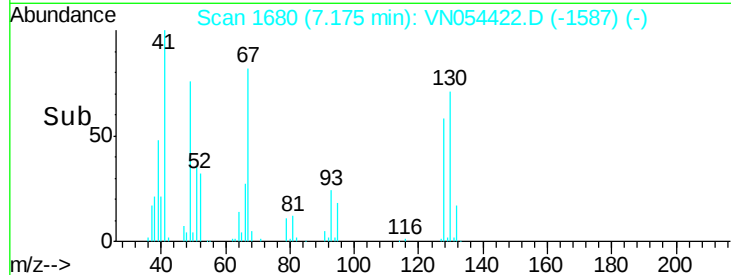
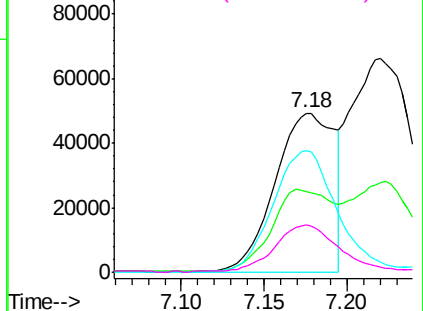
#41
Methacrylonitrile
Concen: 21.429 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion:	41	Resp:	123053
Ion	Ratio	Lower	Upper
41	100		
39	52.1	46.8	70.2
67	83.9	67.0	100.4
52	31.8	26.5	39.7

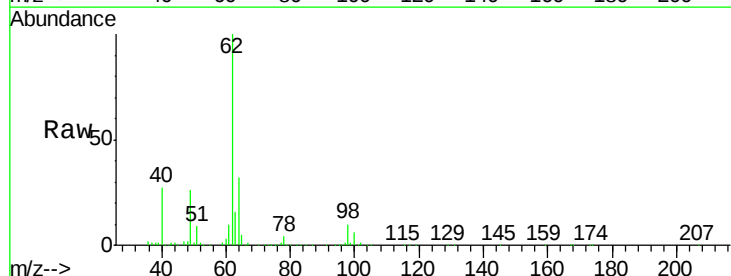


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

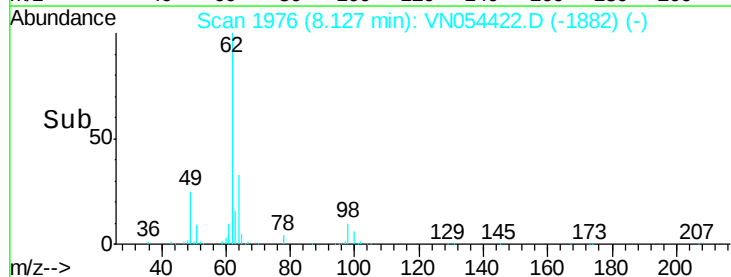
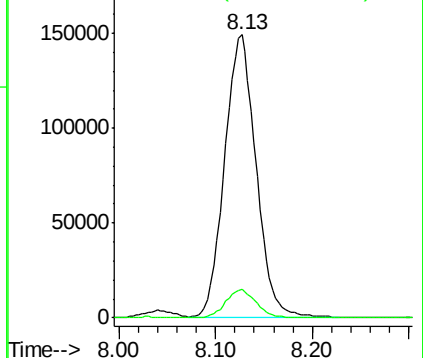


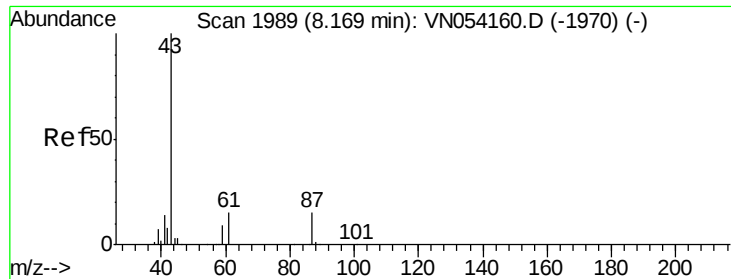
#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion:	62	Resp:	336669
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.311 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

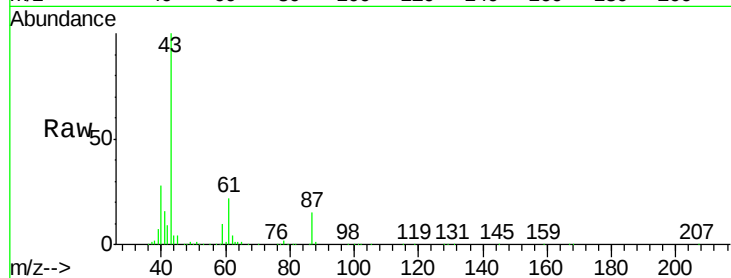
Tot Ion: 43 Resp: 340893

Ion Ratio Lower Upper

43 100

61 21.7 15.8 23.8

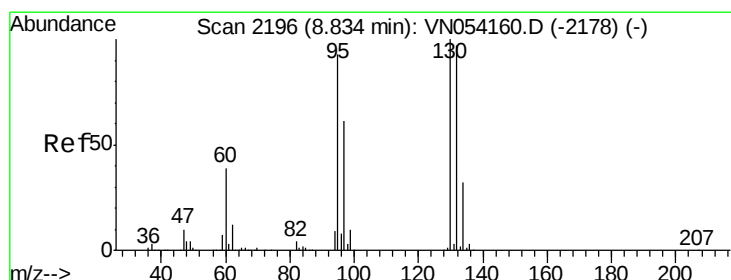
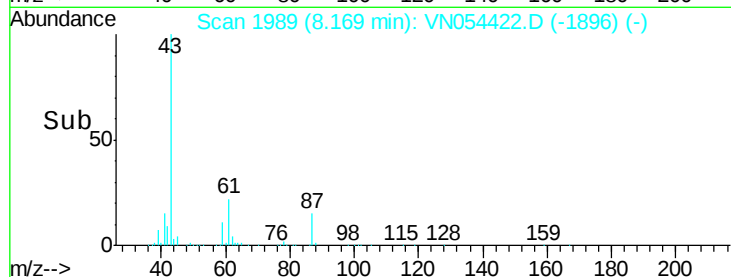
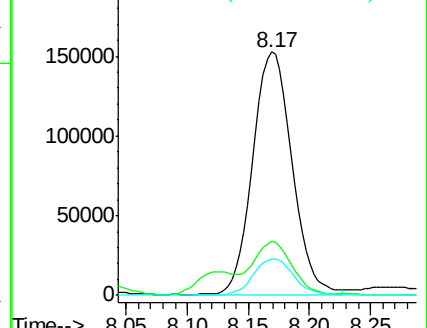
87 15.5 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 20.261 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054422.D

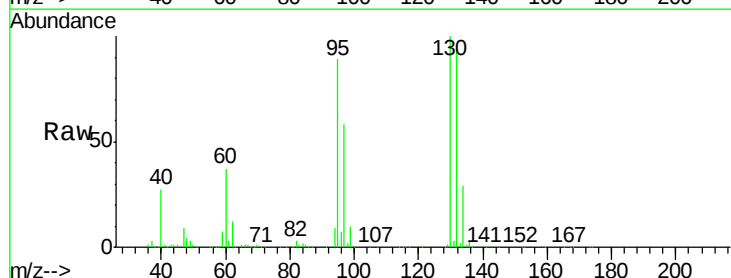
Acq: 19 Mar 2019 5:02

Tgt Ion: 130 Resp: 315254

Ion Ratio Lower Upper

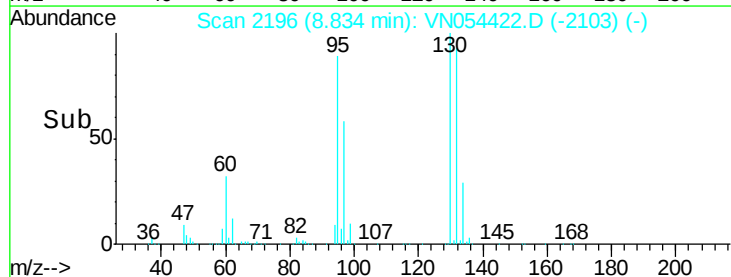
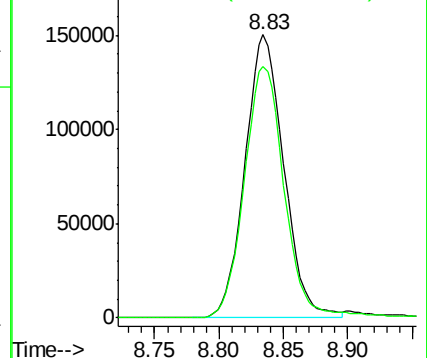
130 100

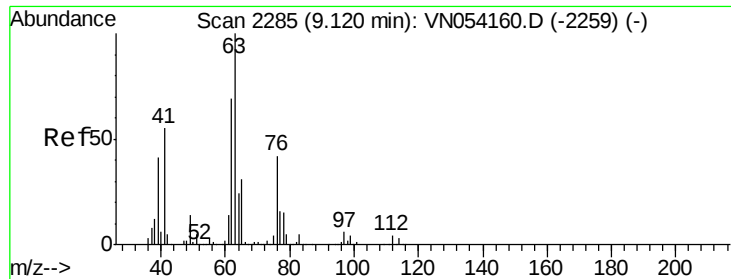
95 88.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

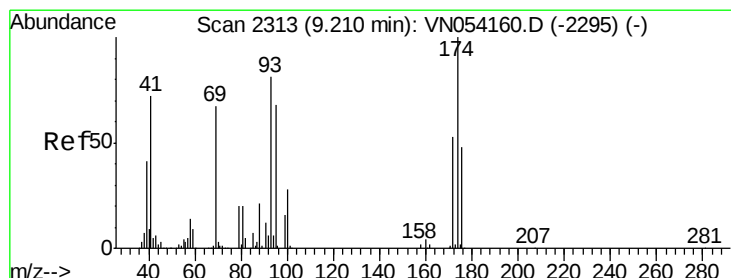
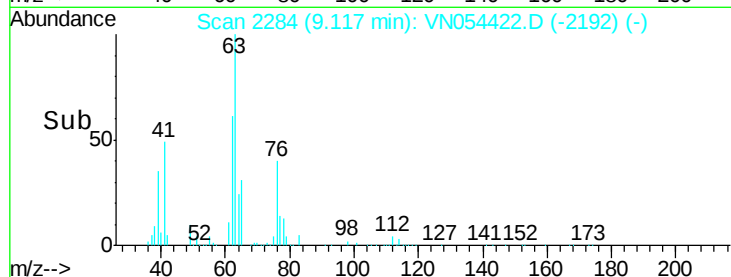
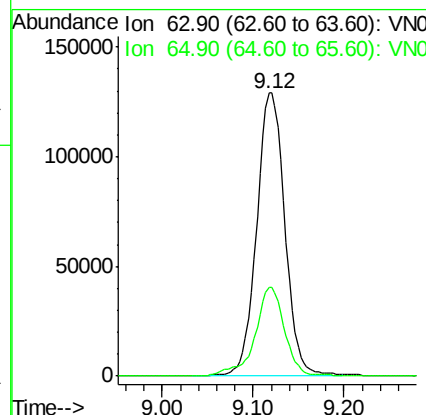
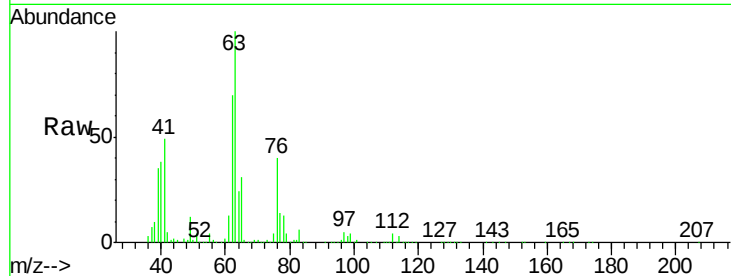




#45
 1,2-Dichloropropane
 Concen: 22.440 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

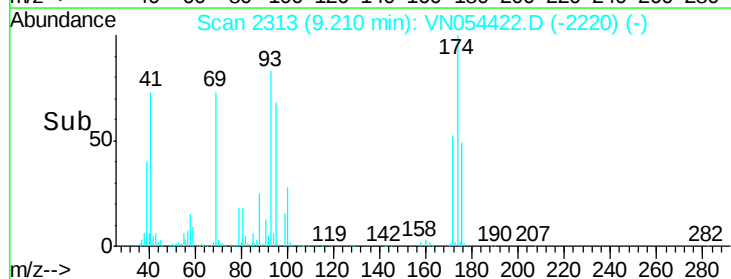
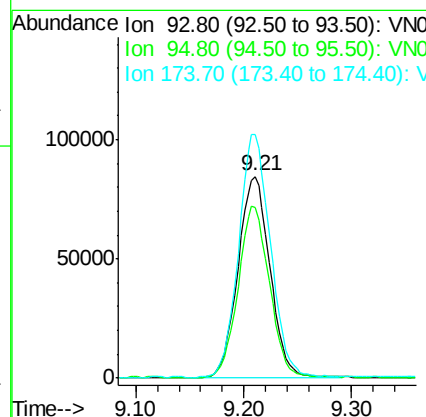
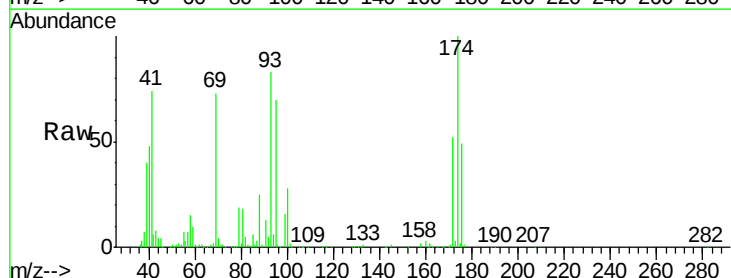
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

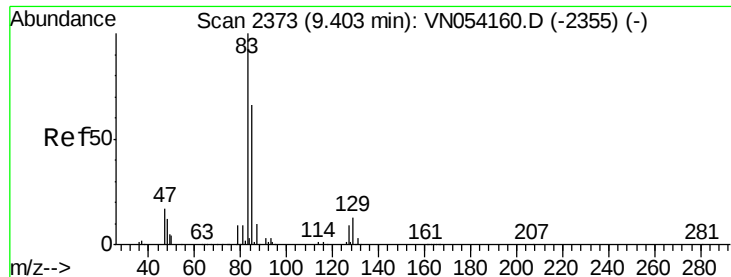
Tot Ion: 63 Resp: 279085
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 20.909 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion: 93 Resp: 175698
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 119.6 98.5 147.7





#47

Bromodichloromethane

Concen: 19.245 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

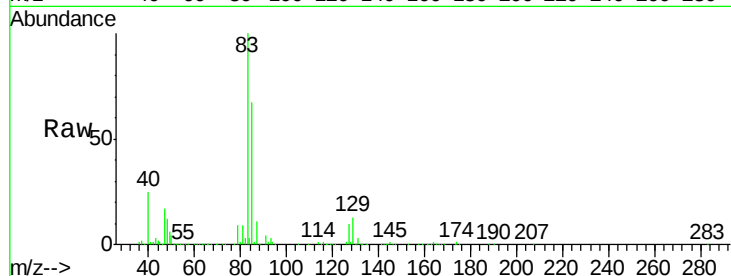
Tot Ion: 83 Resp: 324210

Ion Ratio Lower Upper

83 100

85 66.7 52.8 79.2

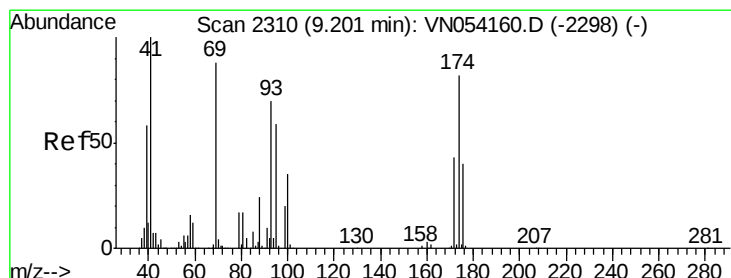
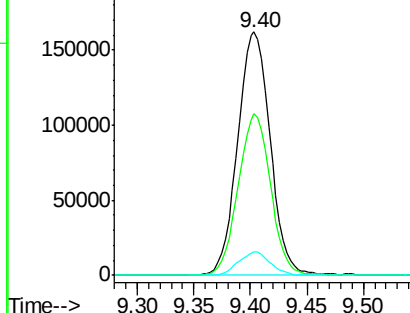
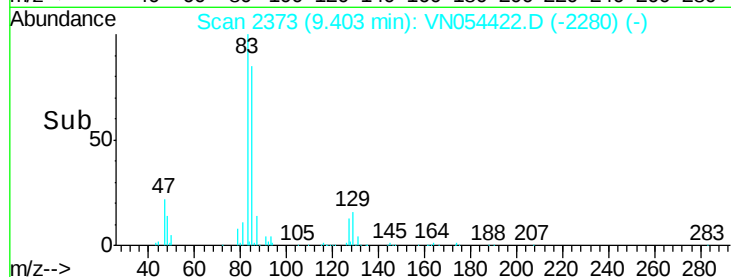
127 9.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.666 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

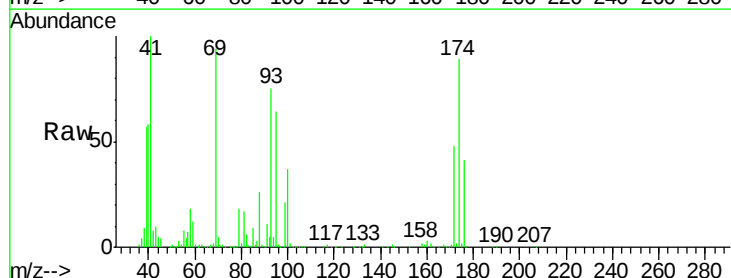
Tgt Ion: 41 Resp: 185136

Ion Ratio Lower Upper

41 100

69 97.8 72.6 108.8

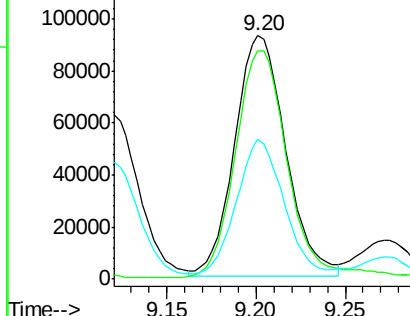
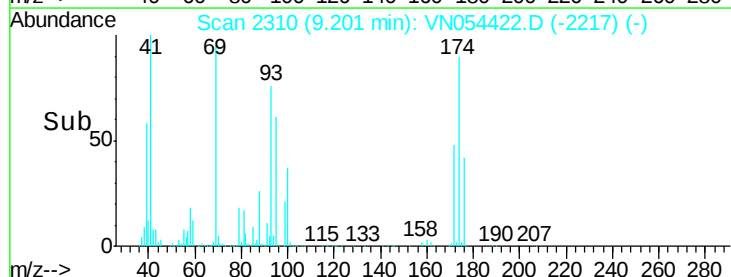
39 53.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

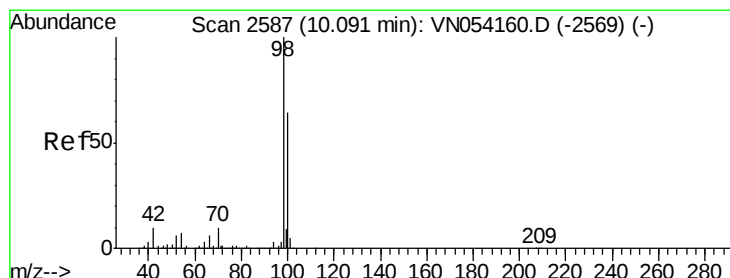
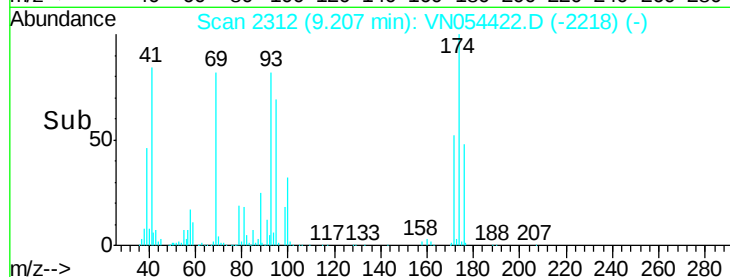
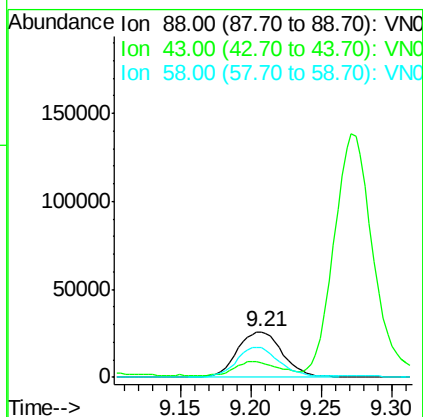
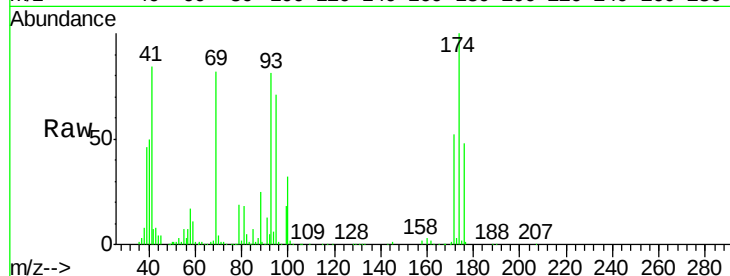




#49
1,4-Dioxane
Concen: 462.922 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

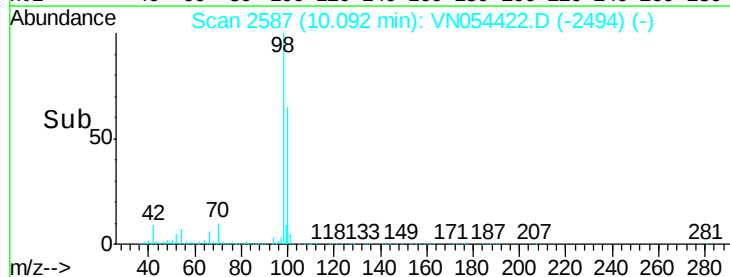
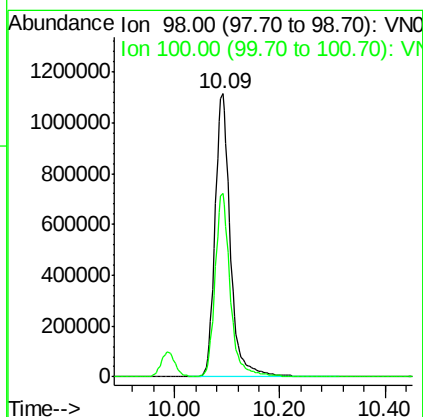
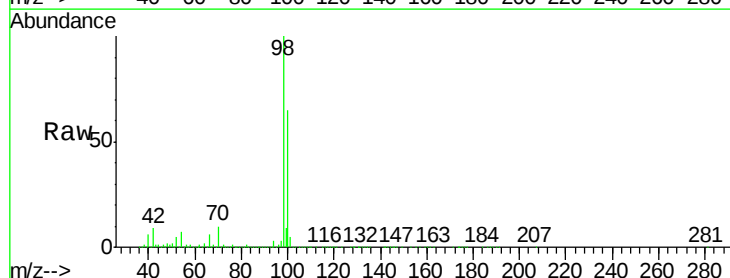
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion: 88 Resp: 58660
Ion Ratio Lower Upper
88 100
43 29.0 24.1 36.1
58 62.4 50.8 76.2



#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 98 Resp: 2240115
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 109.722 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

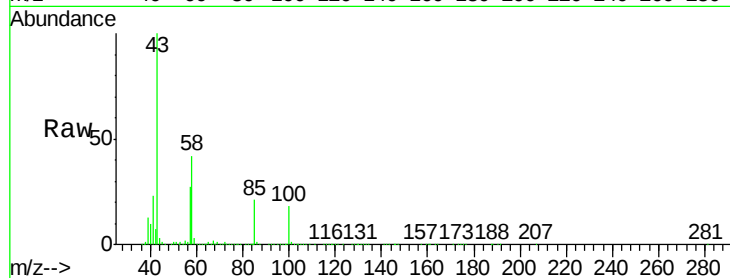
VN0318WBSD02

Tot Ion: 43 Resp: 1025018

Ion Ratio Lower Upper

43 100

58 41.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

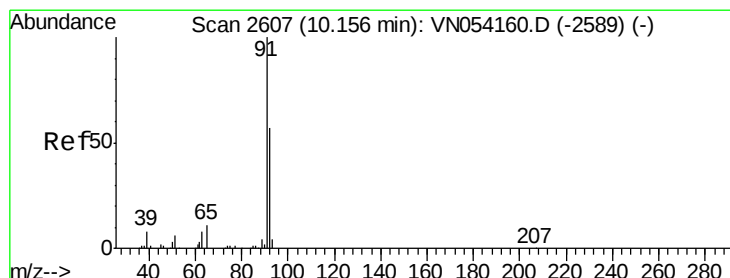
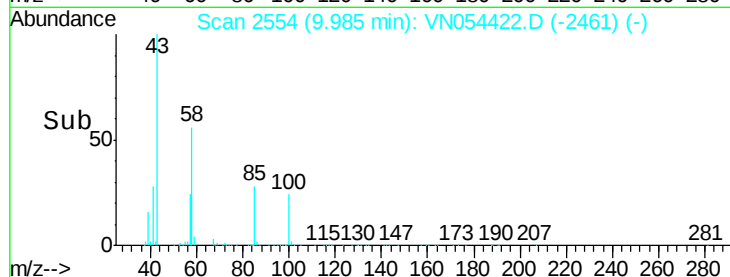
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.813 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054422.D

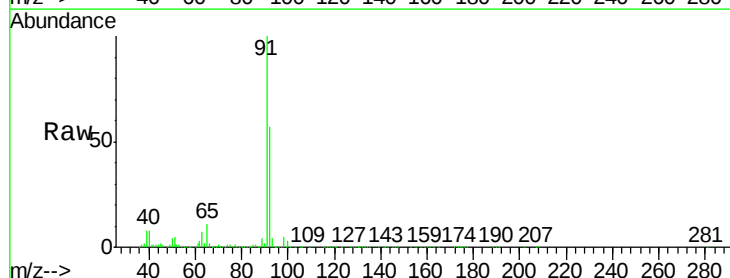
Acq: 19 Mar 2019 5:02

Tgt Ion: 92 Resp: 660993

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

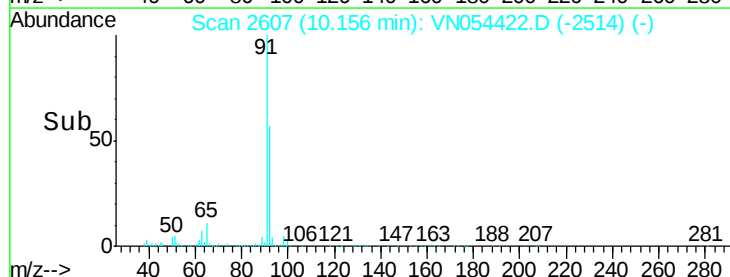
600000

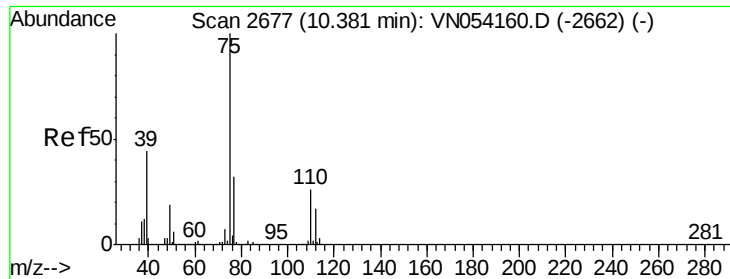
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.947 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

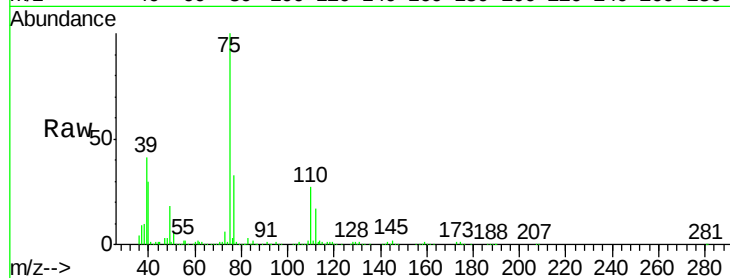
VN0318WBSD02

Tot Ion: 75 Resp: 280135

Ion Ratio Lower Upper

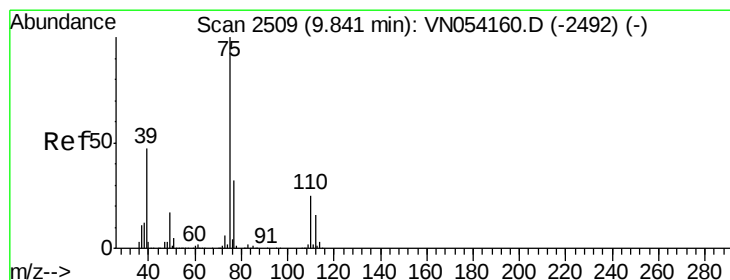
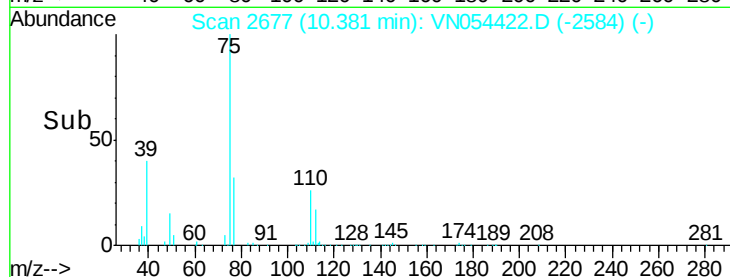
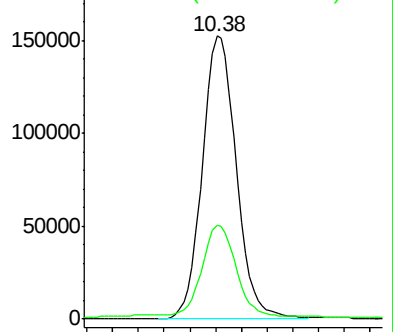
75 100

77 32.1 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.014 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

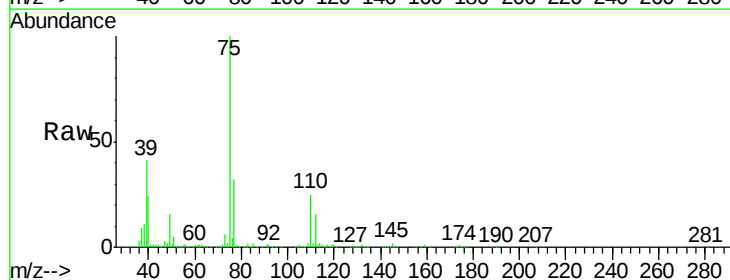
Tgt Ion: 75 Resp: 353635

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

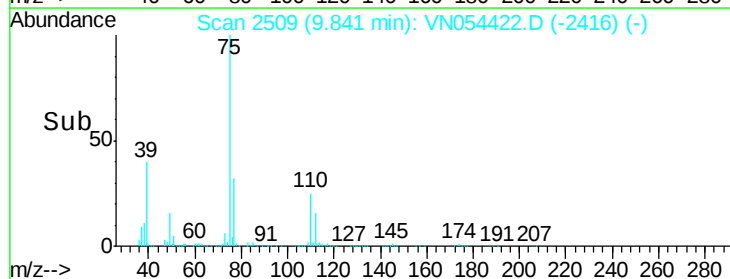
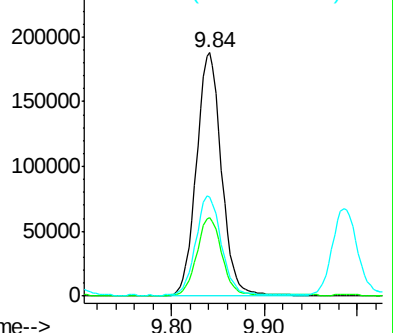
39 40.7 37.2 55.8

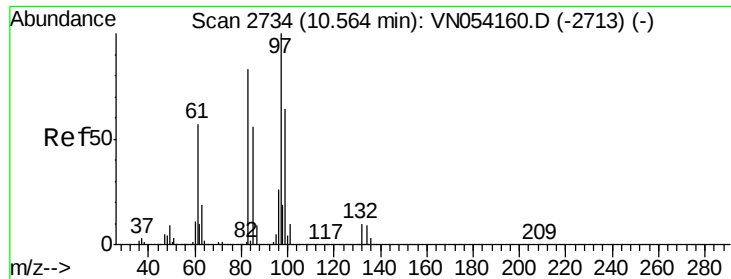


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

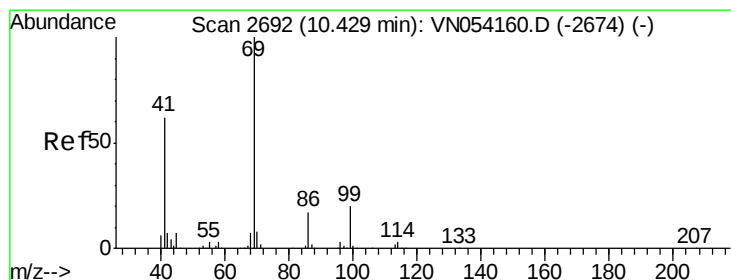
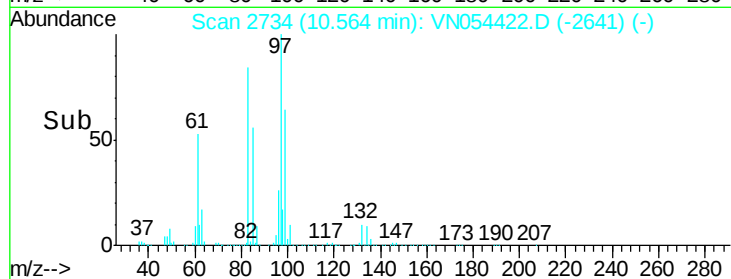
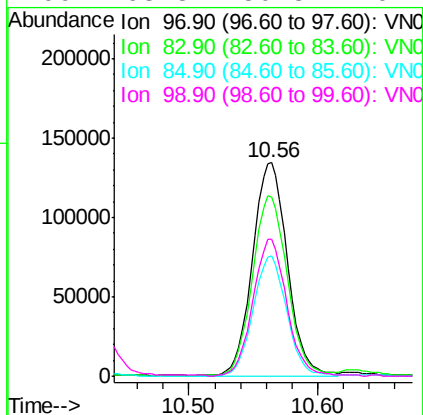
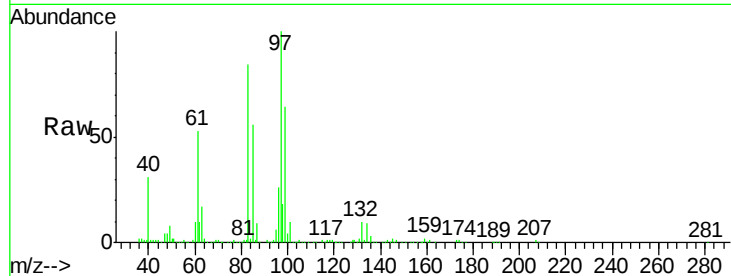




#55
 1,1,2-Trichloroethane
 Concen: 21.780 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

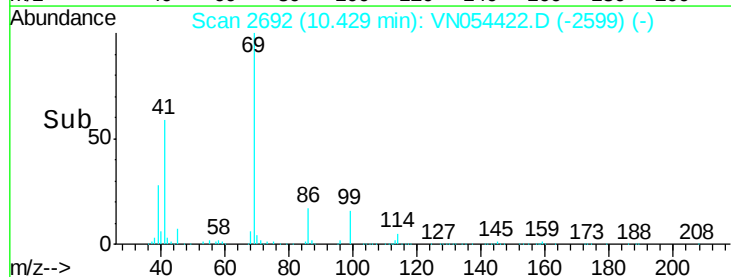
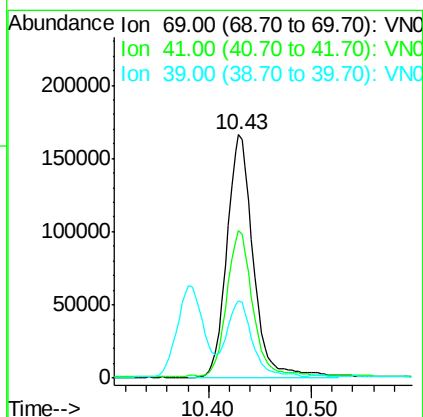
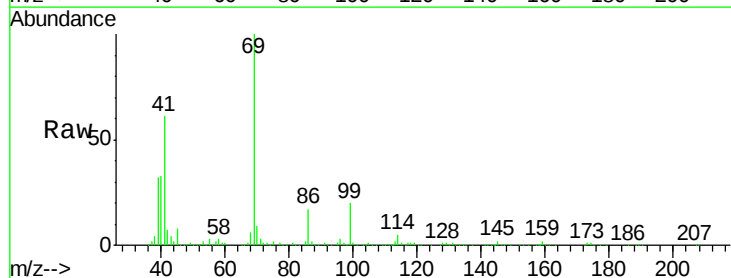
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

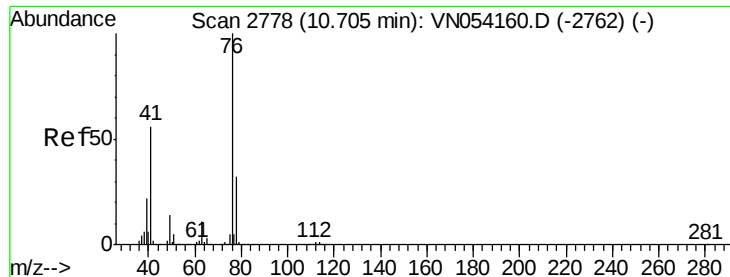
Tot Ion:	97	Resp:	252558
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.6	100.0
85	56.4	44.4	66.6
99	63.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 21.357 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion:	69	Resp:	295295
Ion	Ratio	Lower	Upper
69	100		
41	57.9	49.4	74.2
39	30.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.956 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

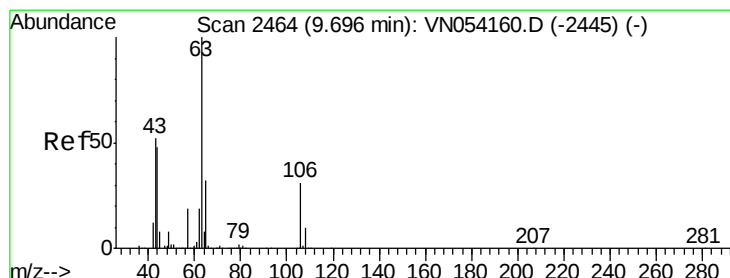
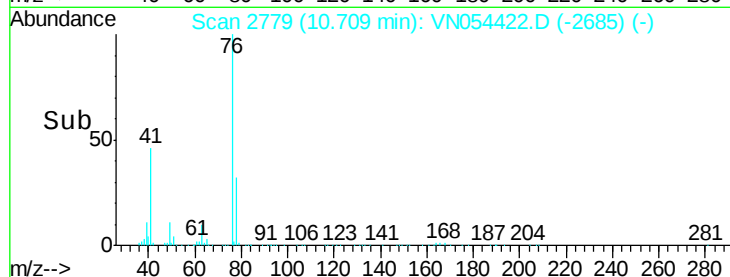
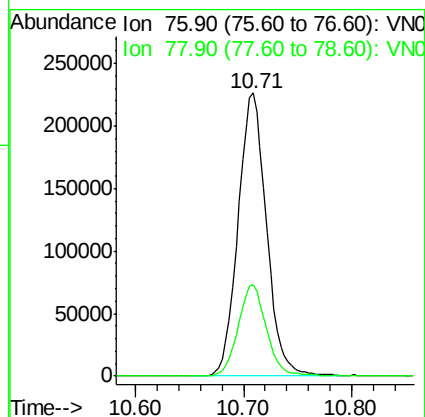
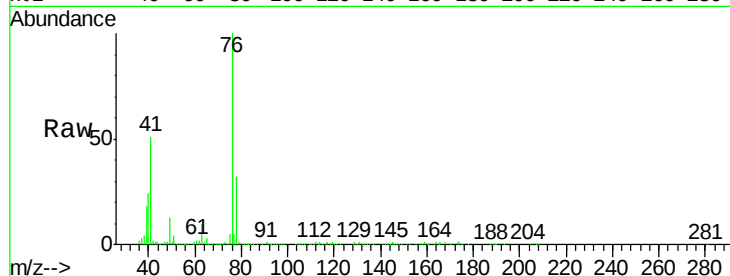
VN0318WBSD02

Tot Ion: 76 Resp: 416307

Ion Ratio Lower Upper

76 100

78 31.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 107.650 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054422.D

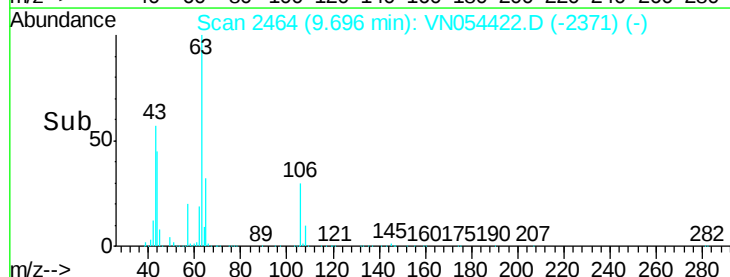
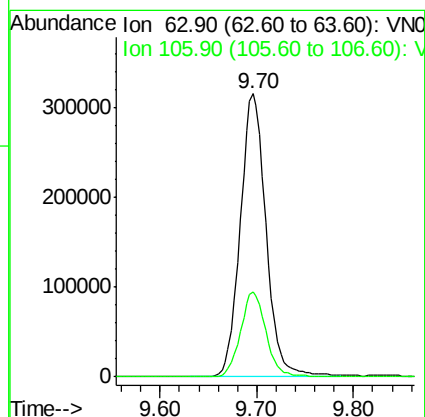
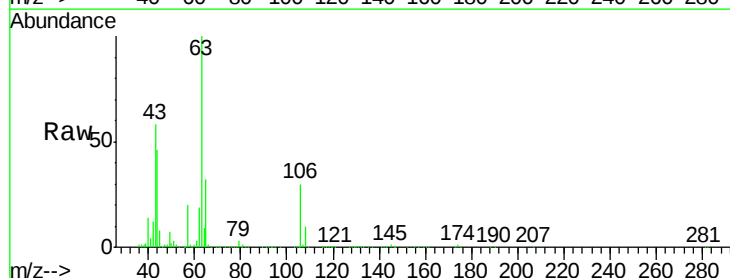
Acq: 19 Mar 2019 5:02

Tgt Ion: 63 Resp: 584133

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6

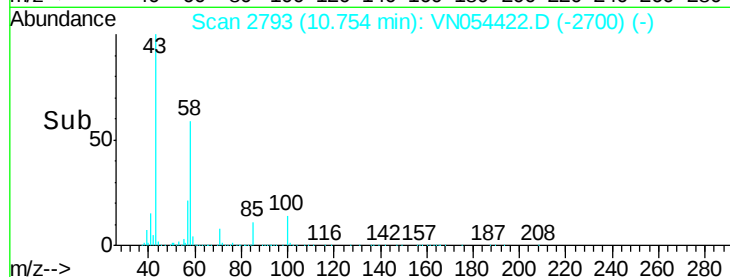
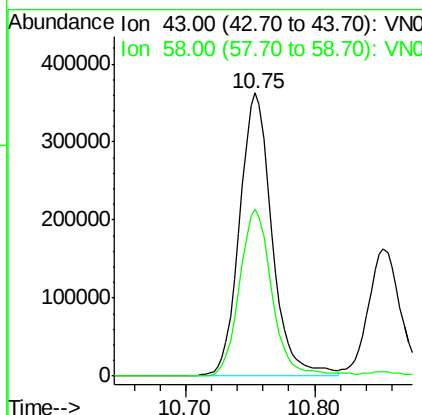
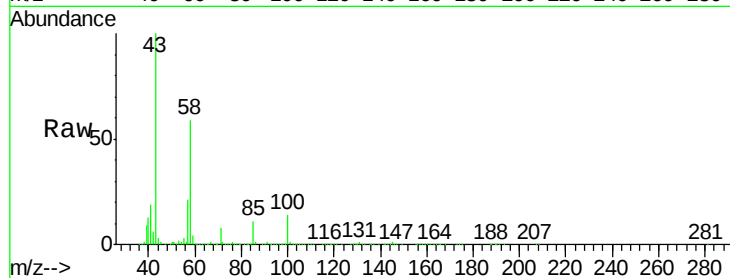




#59
2-Hexanone
Concen: 101.312 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

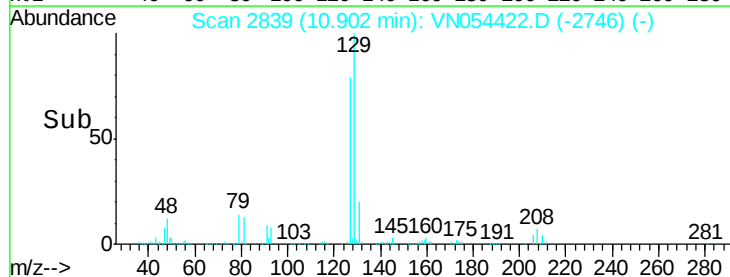
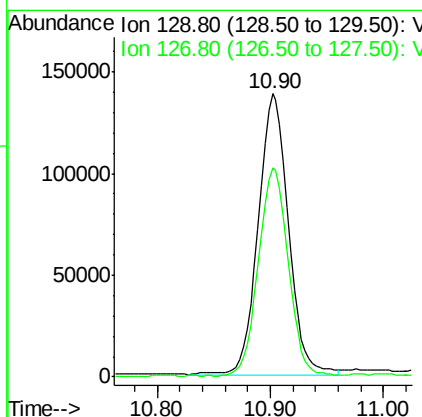
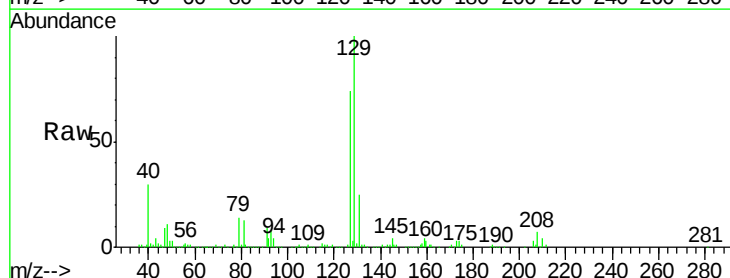
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion: 43 Resp: 629765
Ion Ratio Lower Upper
43 100
58 59.7 28.0 83.9



#60
Dibromochloromethane
Concen: 19.597 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 129 Resp: 255780
Ion Ratio Lower Upper
129 100
127 73.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.161 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

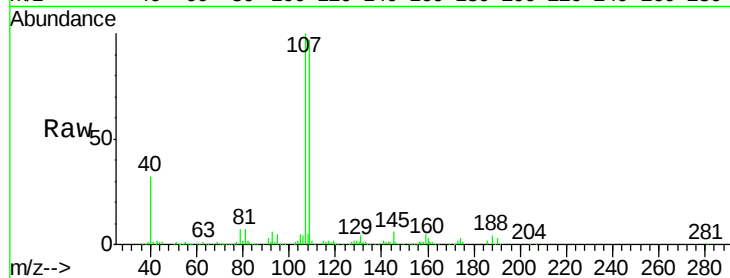
VN0318WBSD02

Tot Ion: 107 Resp: 249367

Ion Ratio Lower Upper

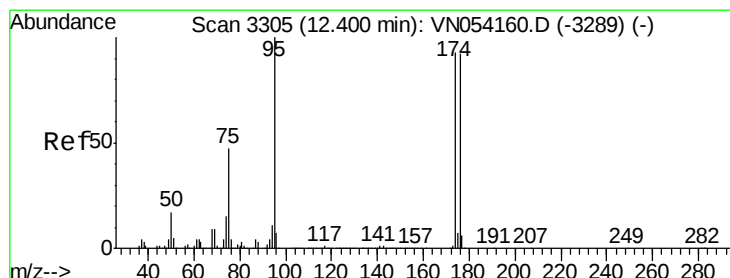
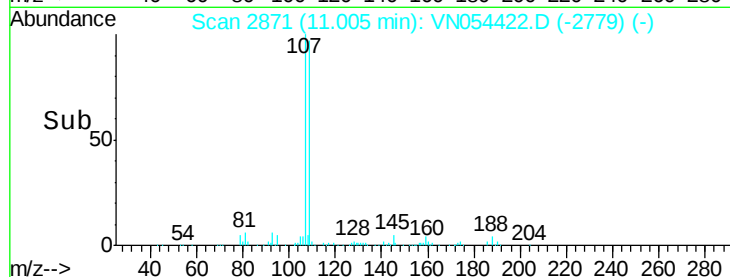
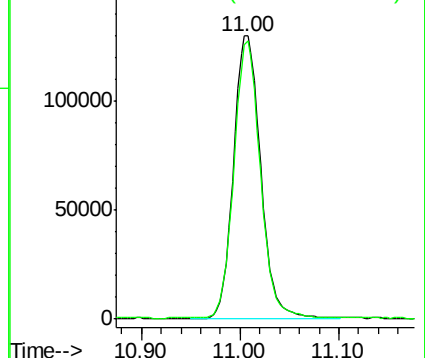
107 100

109 95.0 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.467 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

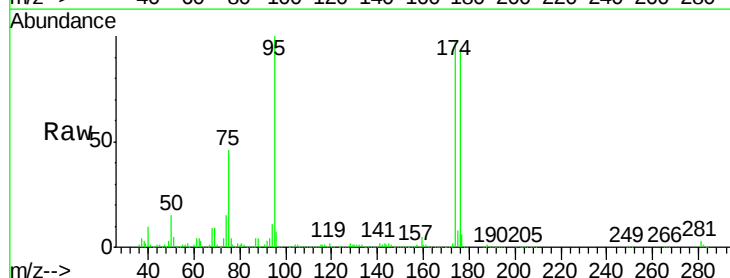
Tgt Ion: 95 Resp: 751903

Ion Ratio Lower Upper

95 100

174 95.3 0.0 191.0

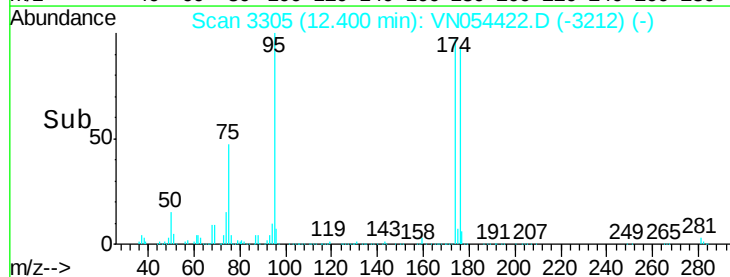
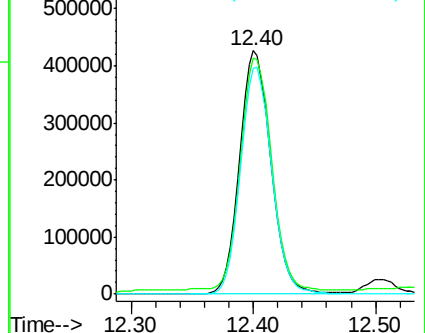
176 93.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

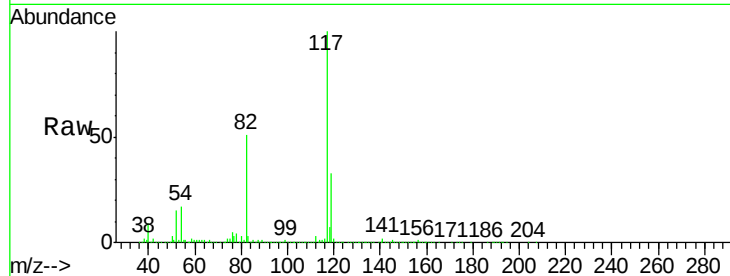
Tot Ion:117 Resp: 1649993

Ion Ratio Lower Upper

117 100

82 51.1 40.0 60.0

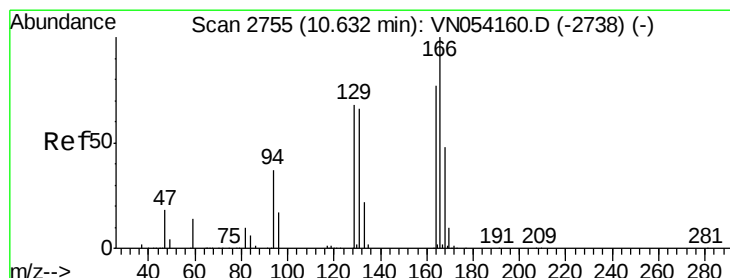
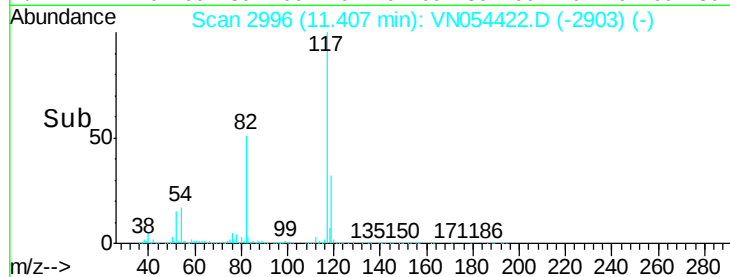
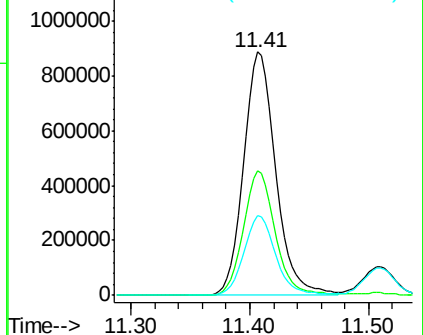
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.289 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion:164 Resp: 323663

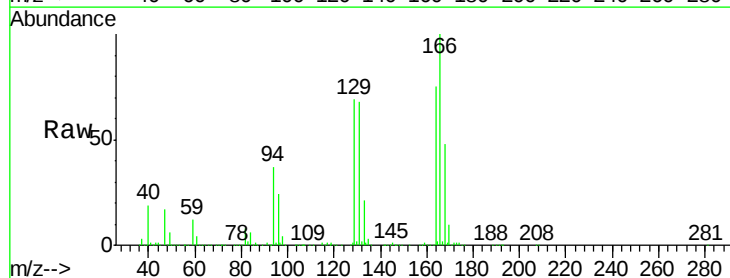
Ion Ratio Lower Upper

164 100

166 133.2 103.9 155.9

129 91.7 71.1 106.7

131 89.3 68.2 102.4

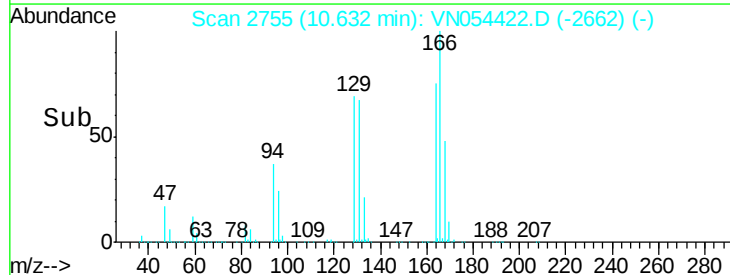
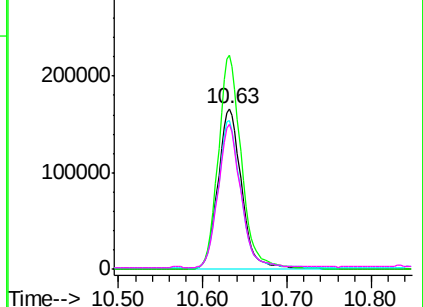


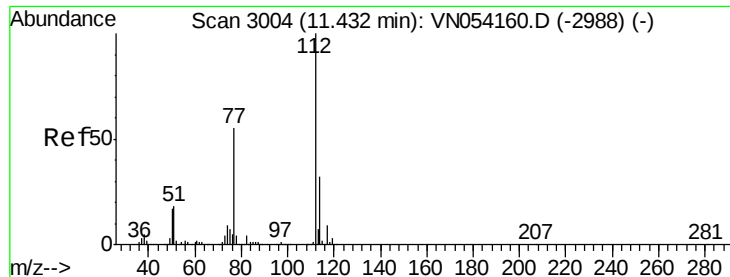
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.173 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

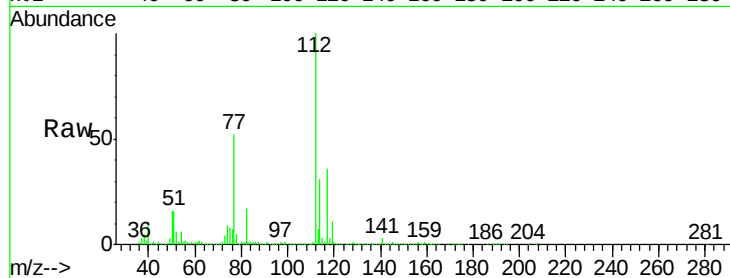
VN0318WBSD02

Tot Ion:112 Resp: 767092

Ion Ratio Lower Upper

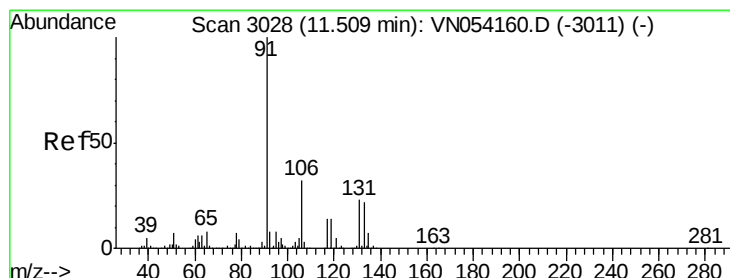
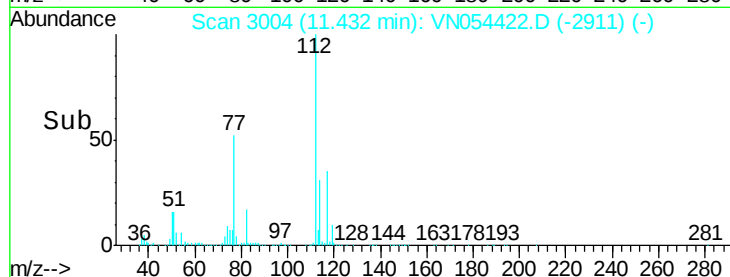
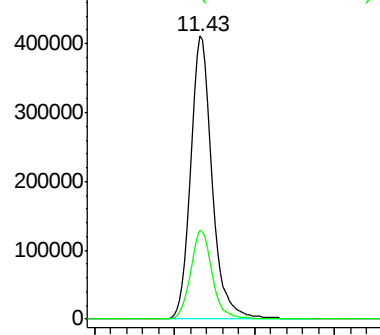
112 100

114 31.2 25.9 38.9



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: 20.156 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

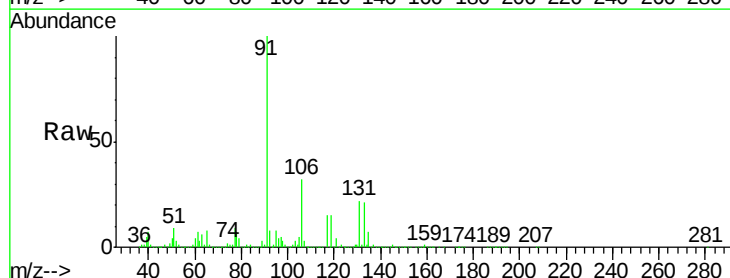
Tgt Ion:131 Resp: 265282

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.9

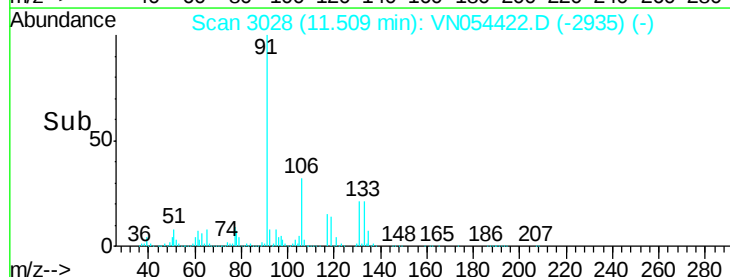
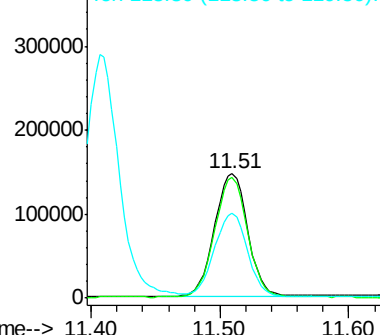
119 67.3 32.4 97.0

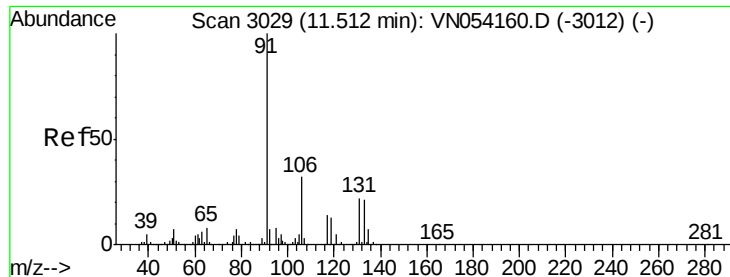


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

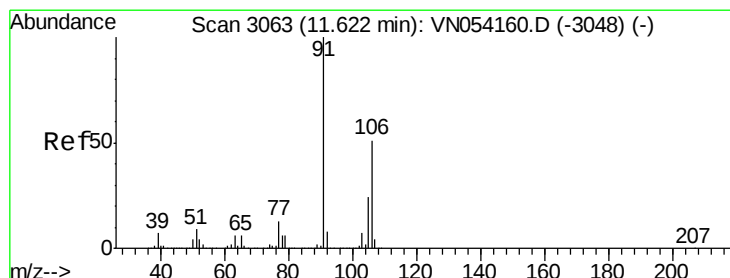
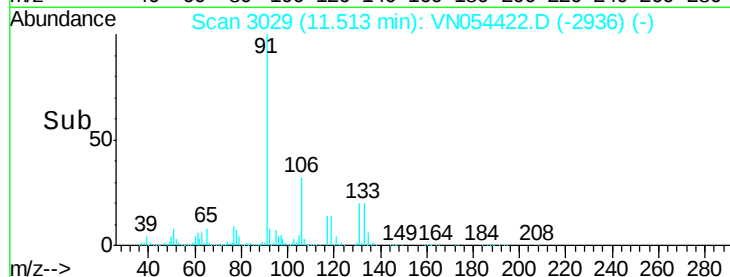
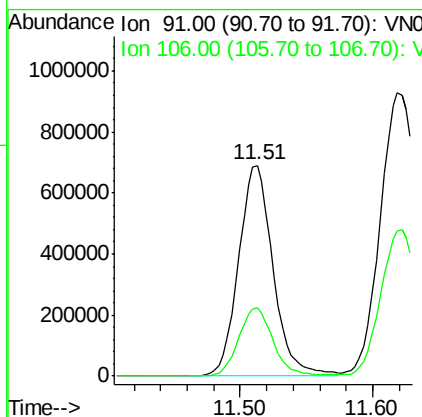
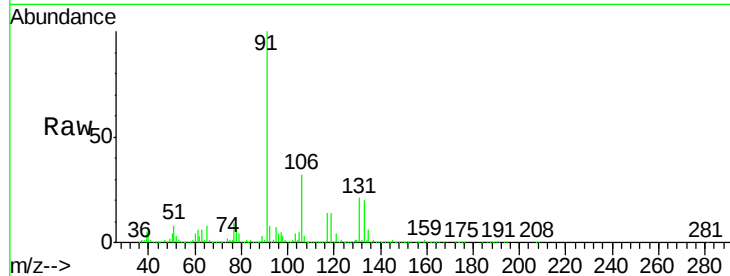




#67
Ethyl Benzene
Concen: 20.628 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

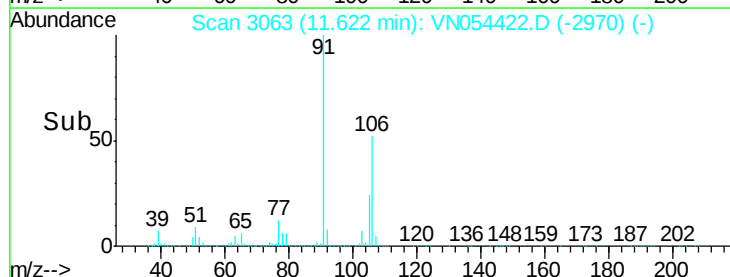
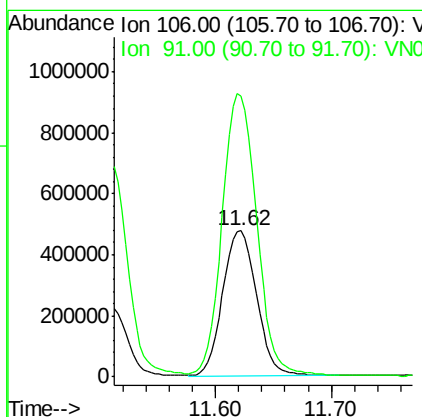
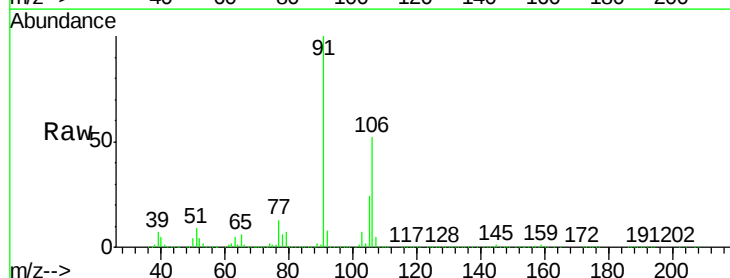
Instrument :
MSVOA_N
ClientSampled :
VN0318WBSD02

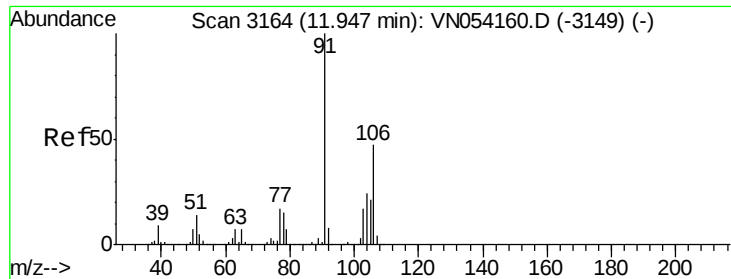
Tot Ion: 91 Resp: 1238865
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 41.027 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 106 Resp: 963029
Ion Ratio Lower Upper
106 100
91 198.8 159.4 239.2

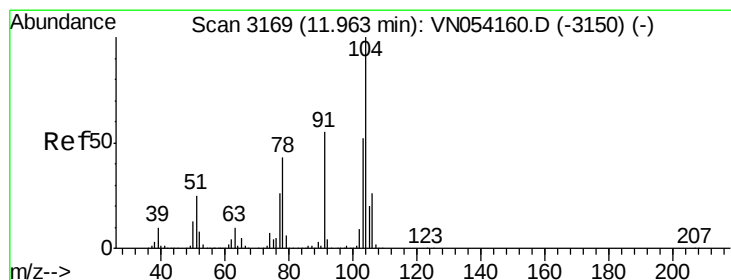
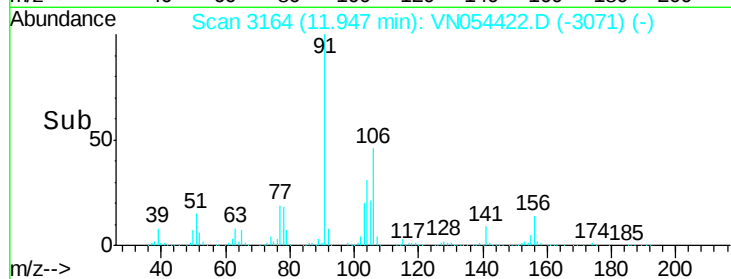
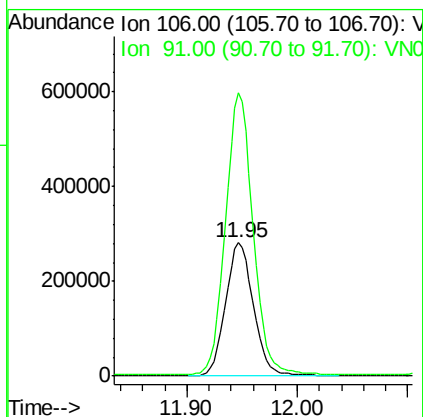
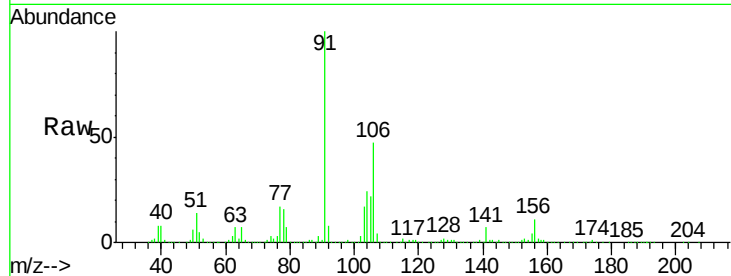




#69
o-Xylene
Concen: 21.387 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

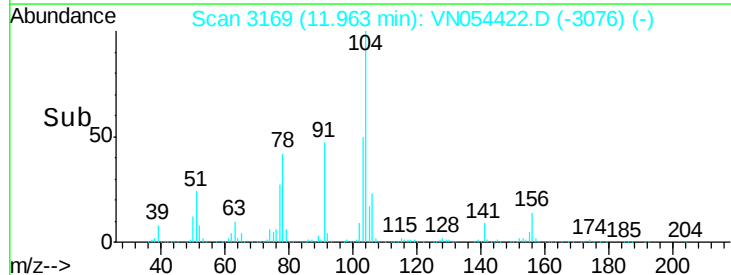
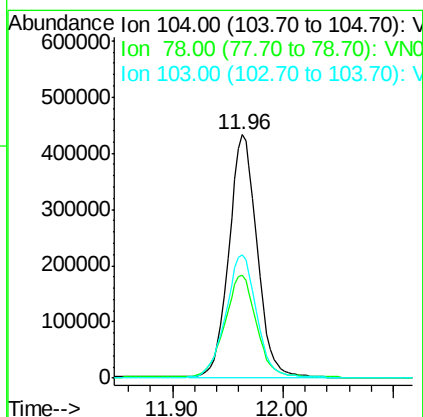
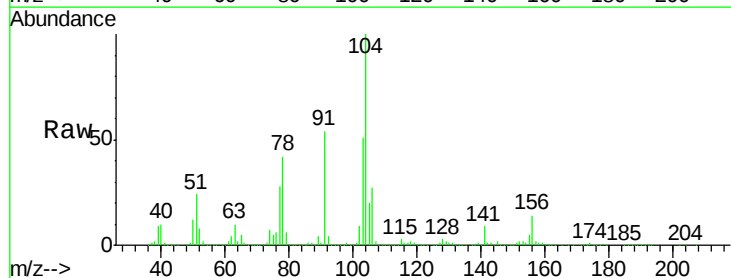
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBSD02

Tot Ion:106 Resp: 489377
Ion Ratio Lower Upper
106 100
91 208.6 105.7 317.1



#70
Styrene
Concen: 21.346 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion:104 Resp: 766055
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 17.270 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

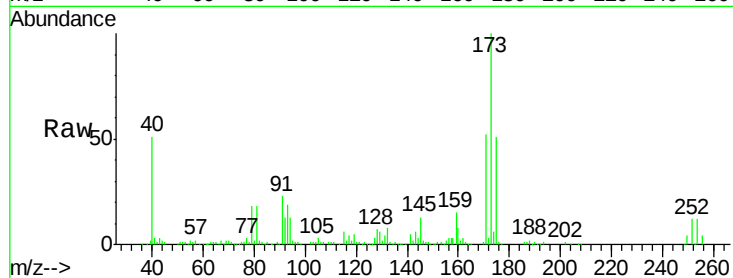
Tot Ion:173 Resp: 157067

Ion Ratio Lower Upper

173 100

175 48.0 24.4 73.2

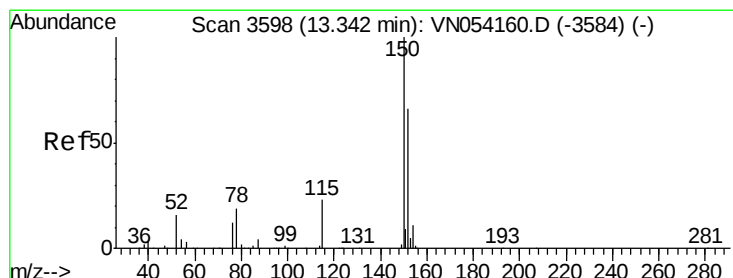
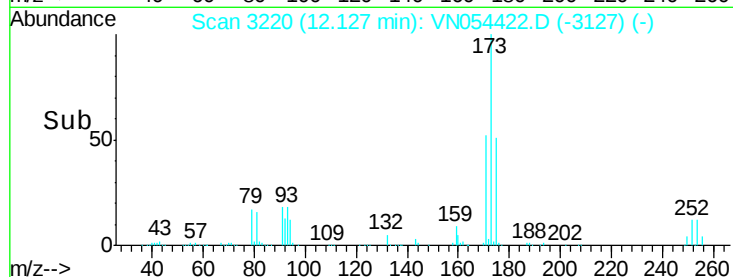
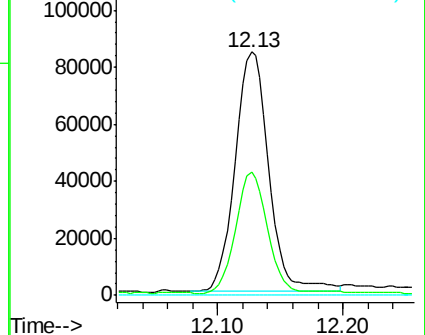
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

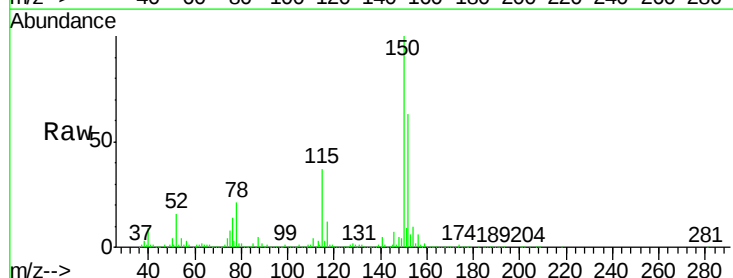
Tgt Ion:152 Resp: 767051

Ion Ratio Lower Upper

152 100

115 58.6 27.2 81.6

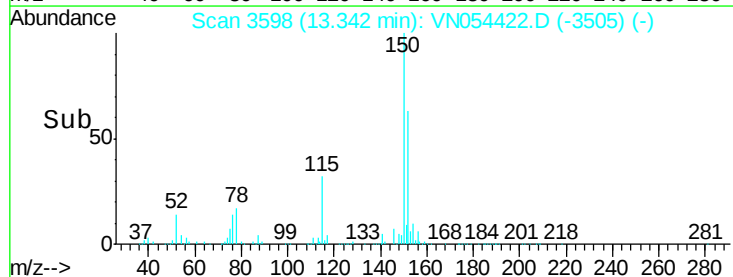
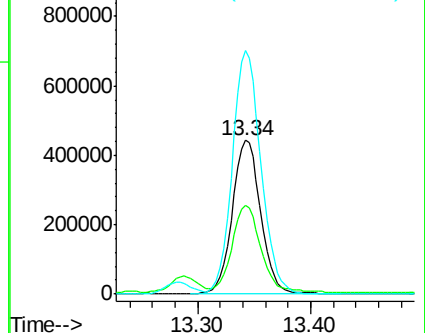
150 160.0 0.0 349.2



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: 20.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

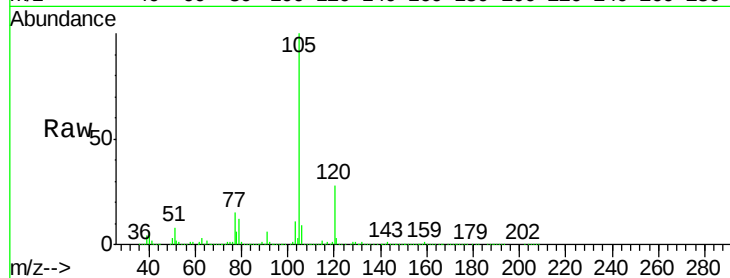
VN0318WBSD02

Tot Ion:105 Resp: 1279065

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

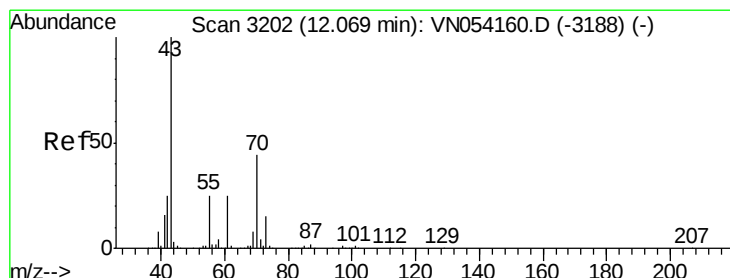
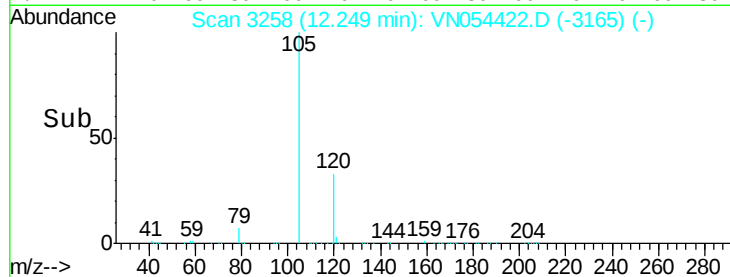
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 20.559 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Tgt Ion: 43 Resp: 280058

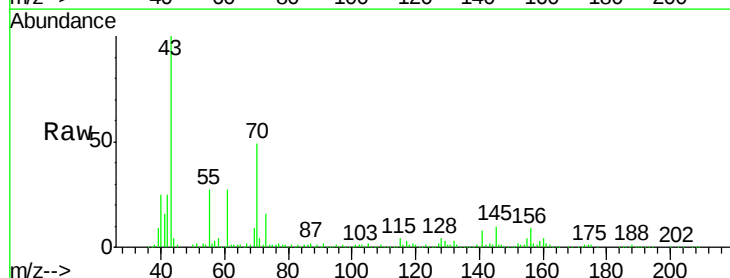
Ion Ratio Lower Upper

43 100

70 48.0 35.4 53.0

55 27.3 19.8 29.6

61 26.3 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

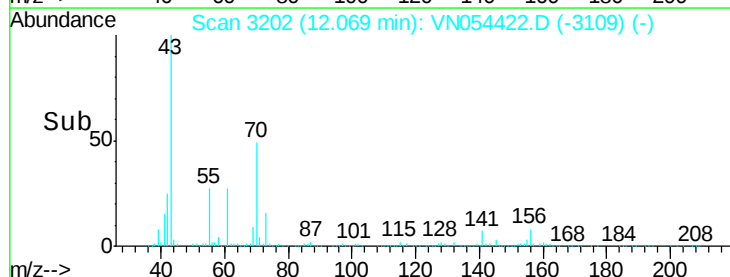
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.845 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

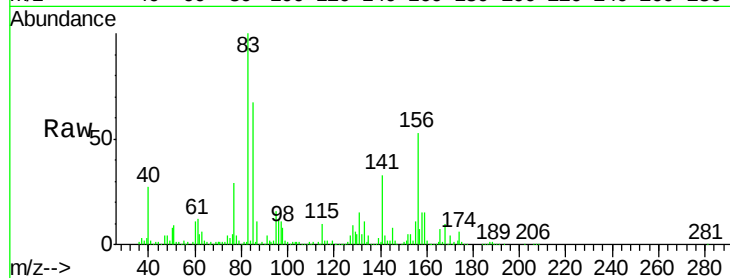
Tot Ion: 83 Resp: 285627

Ion Ratio Lower Upper

83 100

131 13.4 5.8 17.4

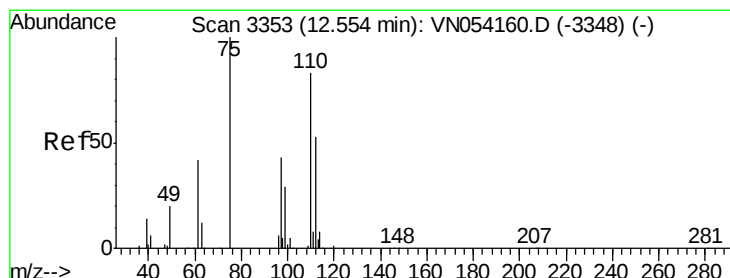
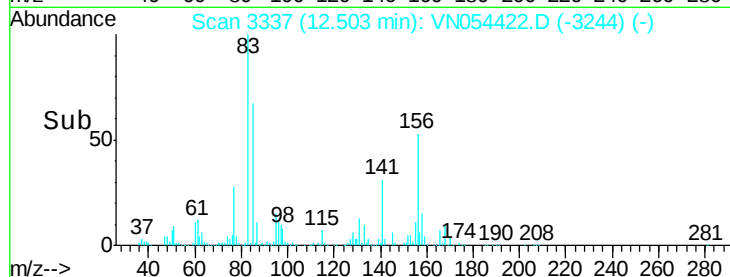
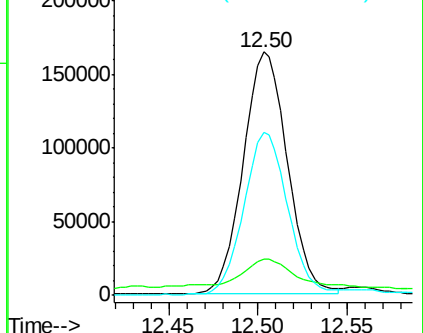
85 66.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.571 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054422.D

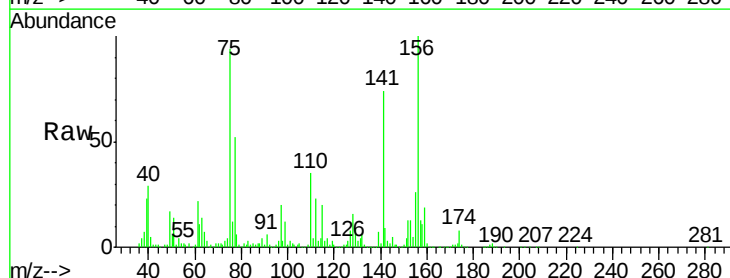
Acq: 19 Mar 2019 5:02

Tgt Ion: 75 Resp: 344831

Ion Ratio Lower Upper

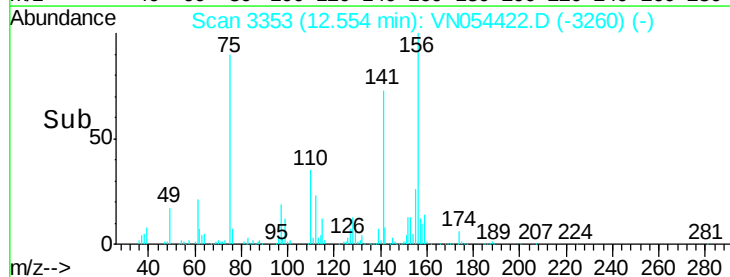
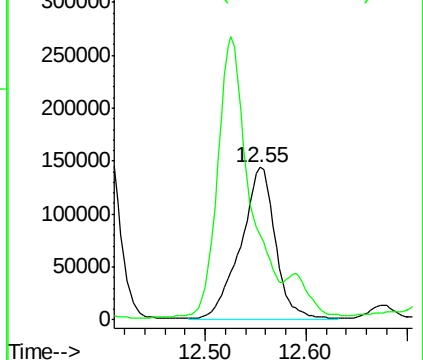
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 71.521 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

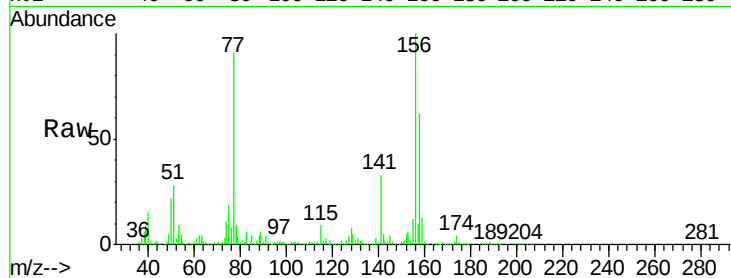
Tot Ion:156 Resp: 1161446

Ion Ratio Lower Upper

156 100

77 51.1 81.5 244.4#

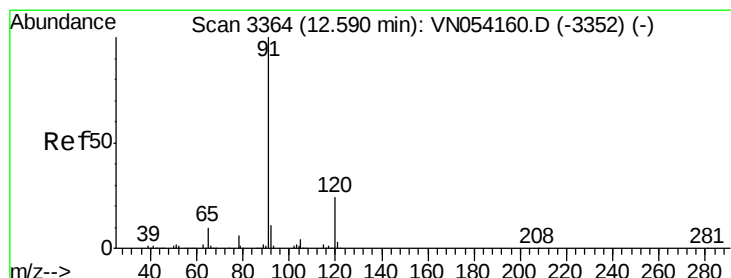
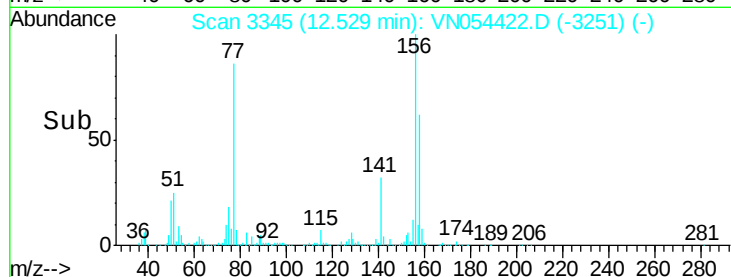
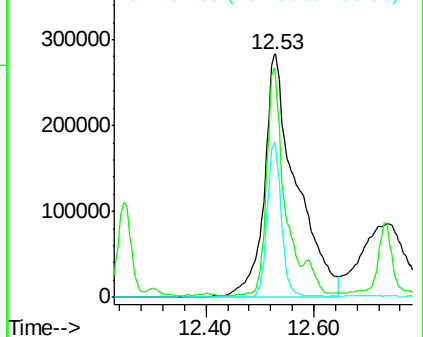
158 28.5 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.158 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054422.D

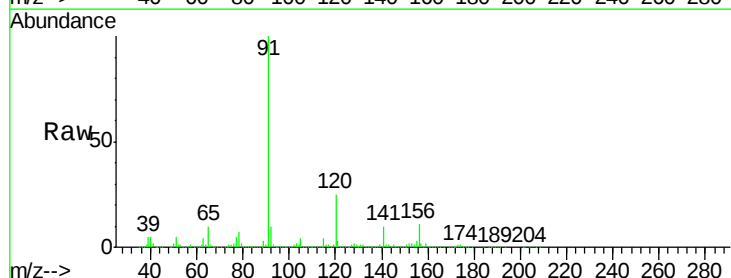
Acq: 19 Mar 2019 5:02

Tgt Ion: 91 Resp: 1342278

Ion Ratio Lower Upper

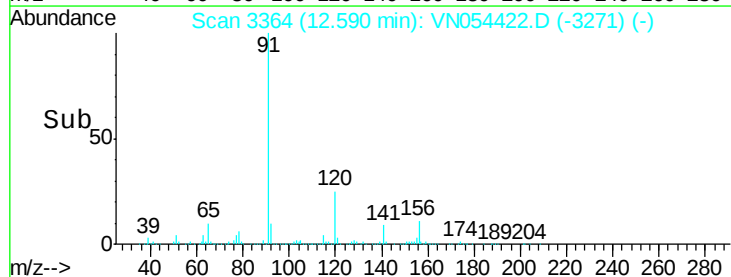
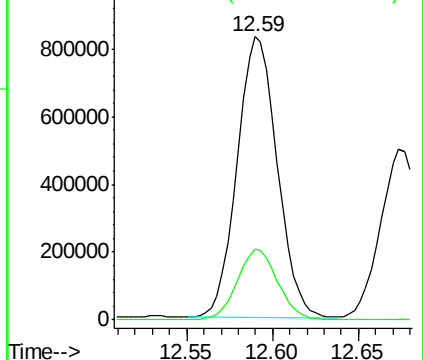
91 100

120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.569 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

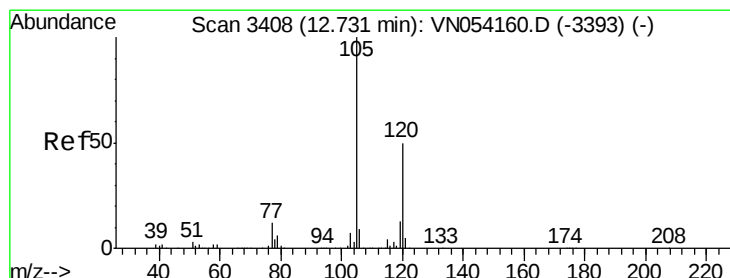
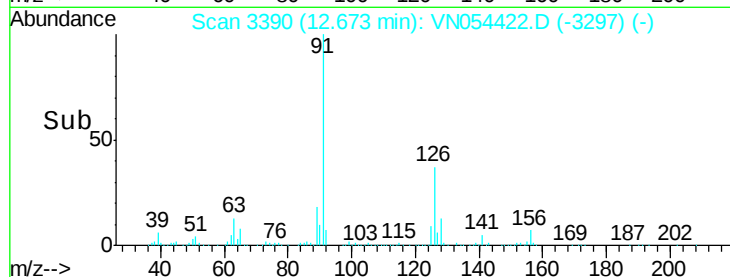
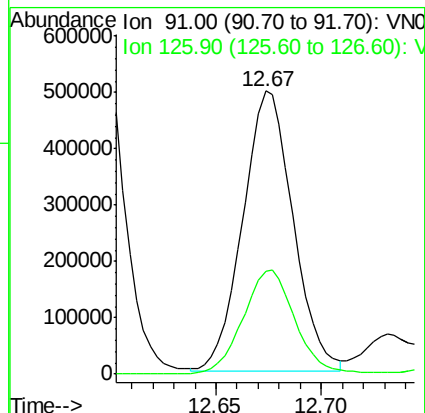
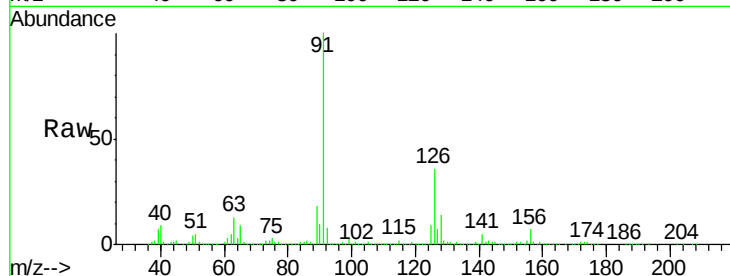
VN0318WBSD02

Tot Ion: 91 Resp: 823527

Ion Ratio Lower Upper

91 100

126 38.1 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 21.260 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054422.D

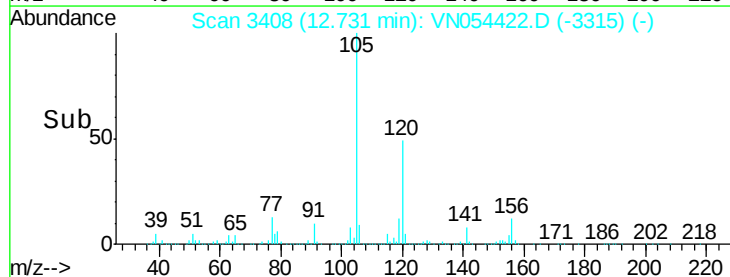
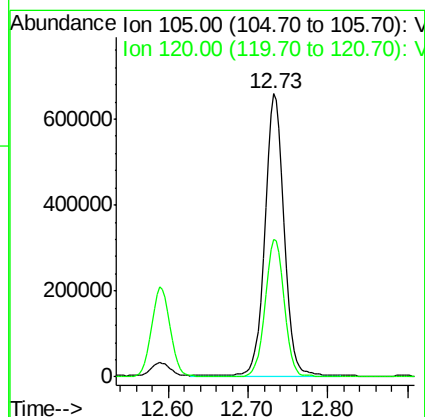
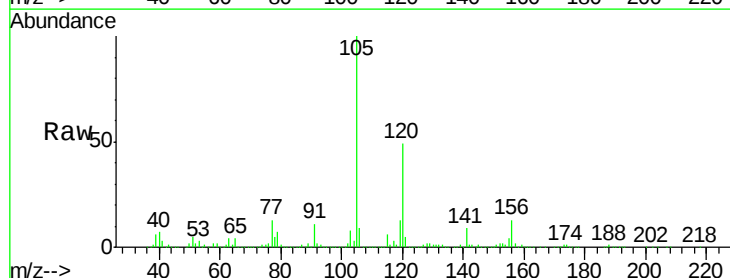
Acq: 19 Mar 2019 5:02

Tgt Ion: 105 Resp: 1085224

Ion Ratio Lower Upper

105 100

120 48.0 25.0 75.0

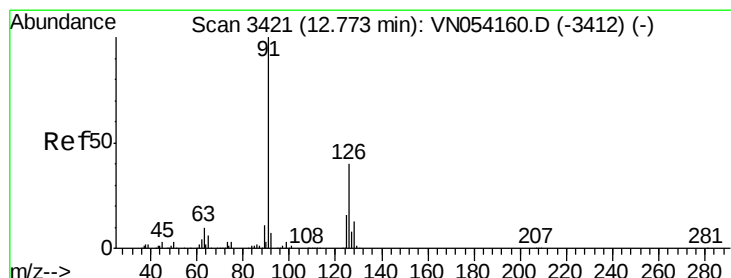
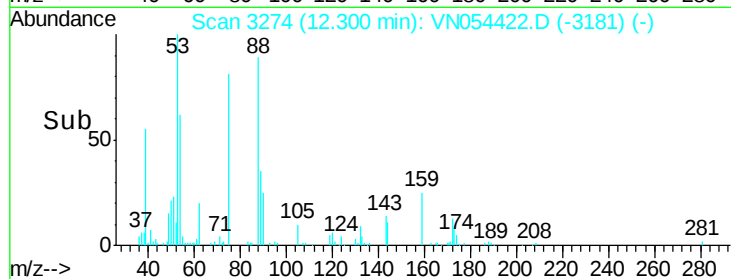
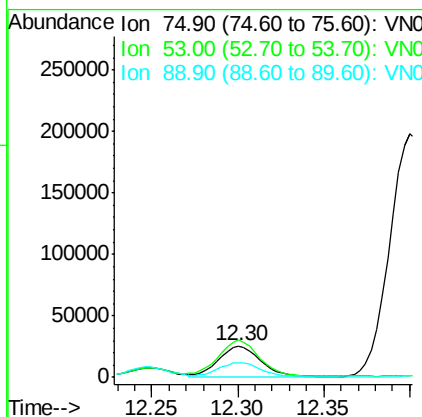
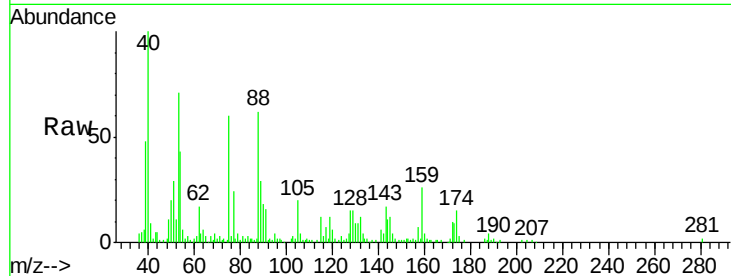




#81
trans-1,4-Dichloro-2-butene
Concen: 12.770 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

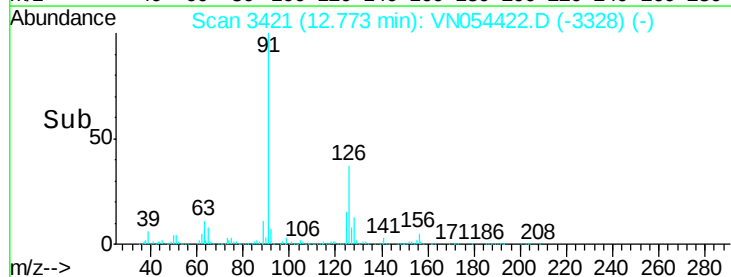
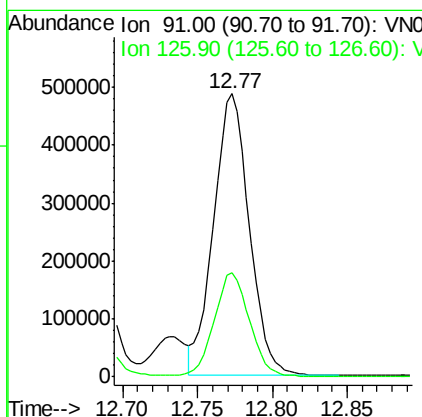
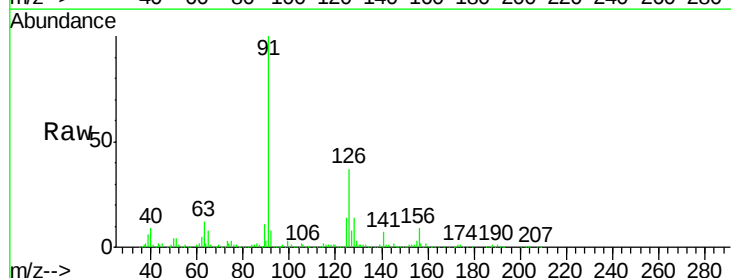
Instrument :
MSVOA_N
ClientSampled :
VN0318WBSD02

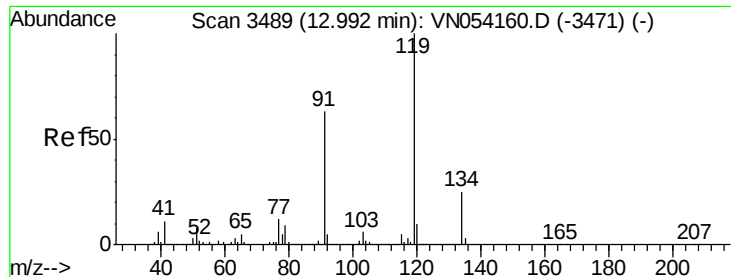
Tot Ion: 75 Resp: 42138
Ion Ratio Lower Upper
75 100
53 115.8 76.2 114.2#
89 45.9 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.233 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054422.D
Acq: 19 Mar 2019 5:02

Tgt Ion: 91 Resp: 808912
Ion Ratio Lower Upper
91 100
126 36.7 18.1 54.1

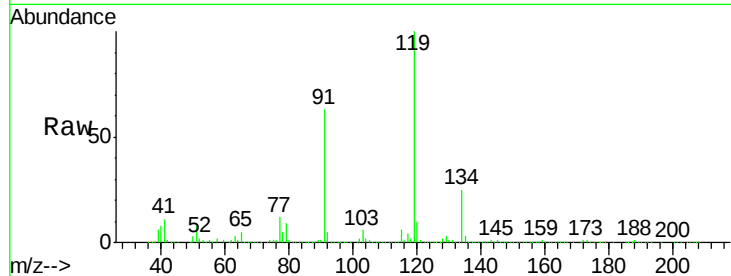




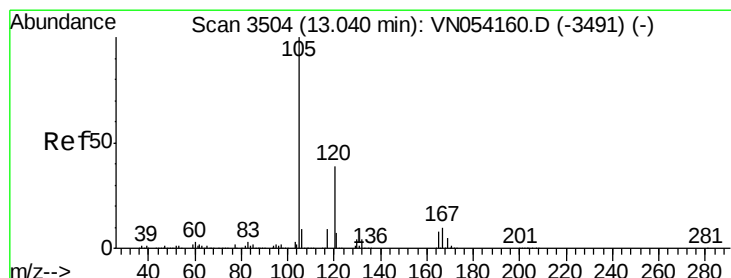
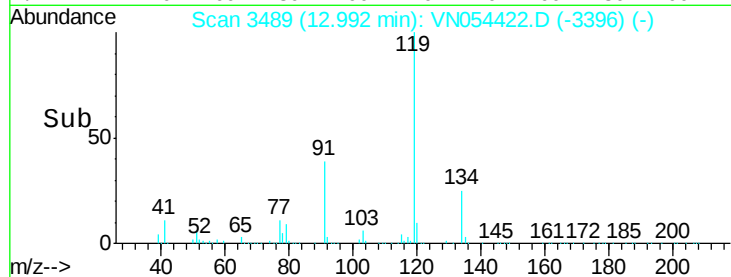
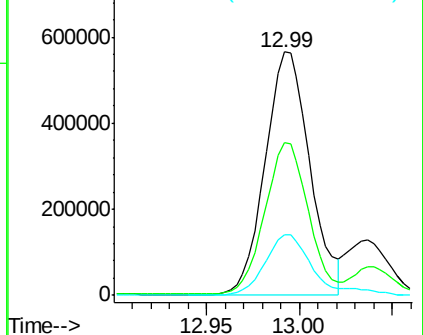
#83
 tert-Butylbenzene
 Concen: 20.069 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

Tot Ion:119 Resp: 942952
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.9 92.8
 134 26.7 13.2 39.6

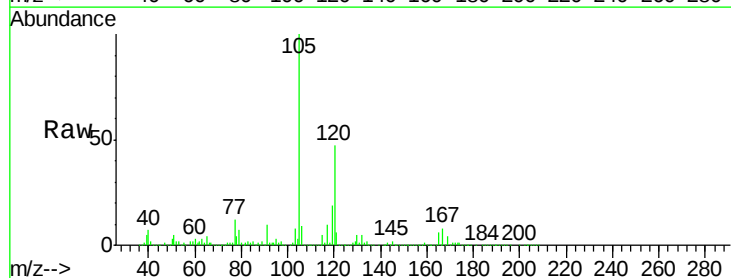


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

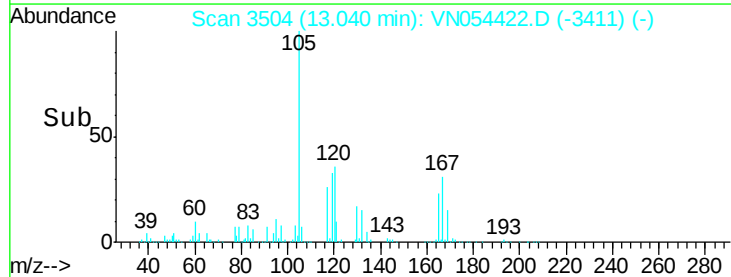
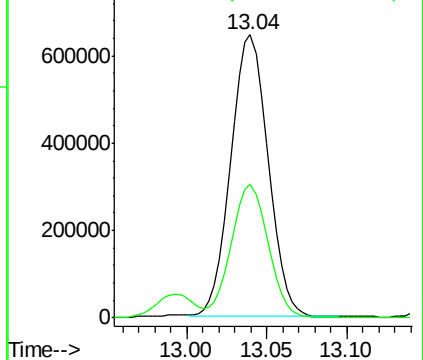


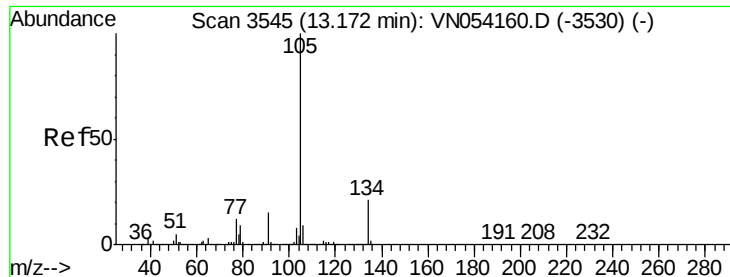
#84
 1,2,4-Trimethylbenzene
 Concen: 20.508 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion:105 Resp: 1027034
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.424 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

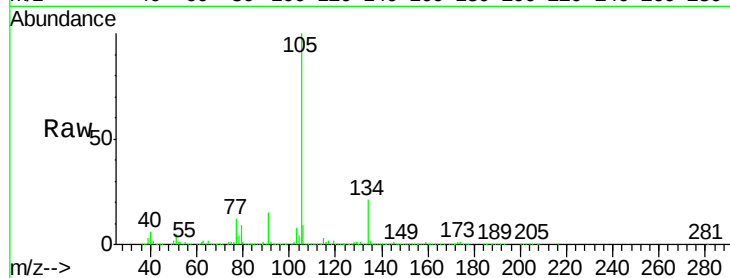
VN0318WBSD02

Tot Ion:105 Resp: 1183559

Ion Ratio Lower Upper

105 100

134 21.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

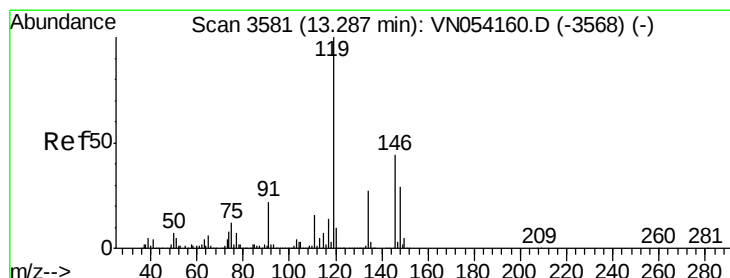
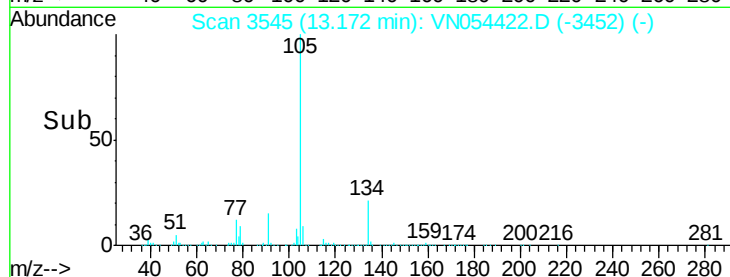
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

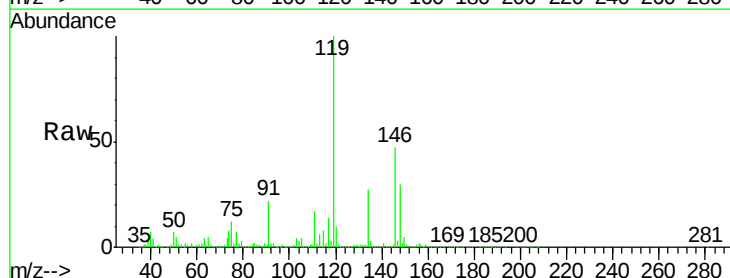
Tgt Ion:119 Resp: 1045976

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 21.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

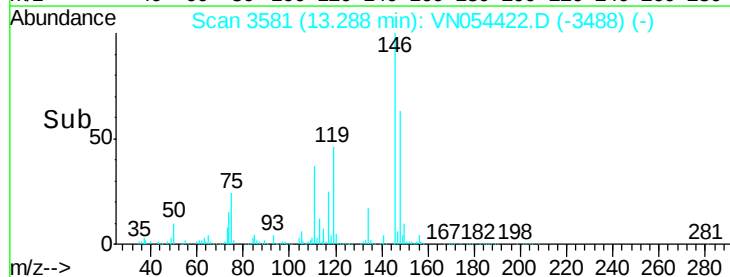
400000

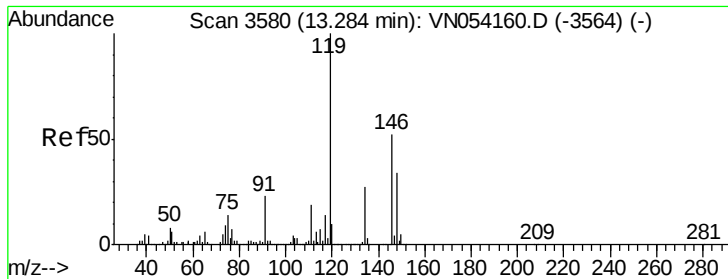
200000

0

13.25 13.30 13.35

Time-->

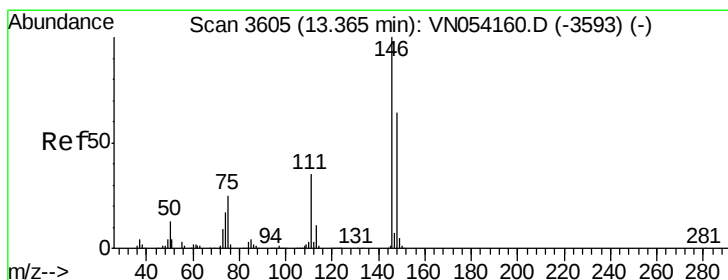
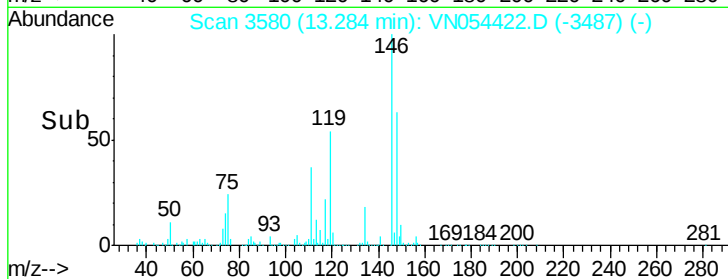
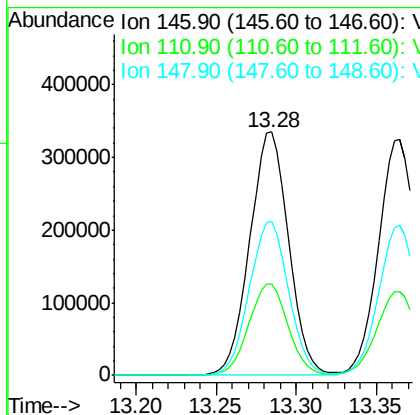
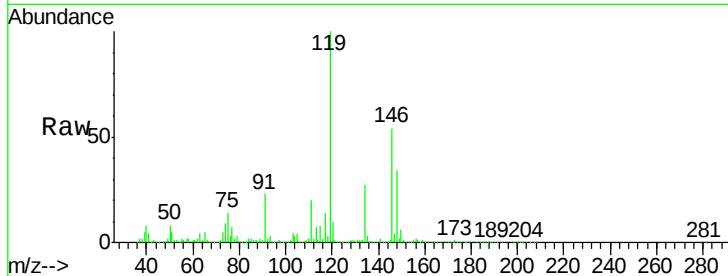




#87
 1,3-Dichlorobenzene
 Concen: 20.288 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

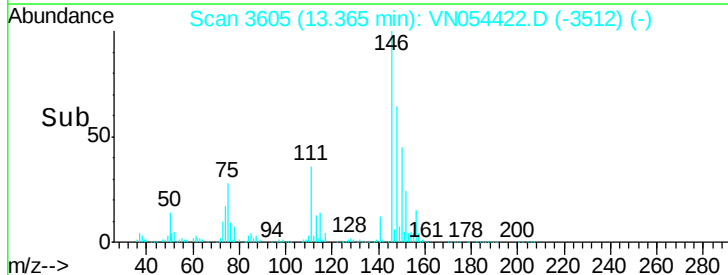
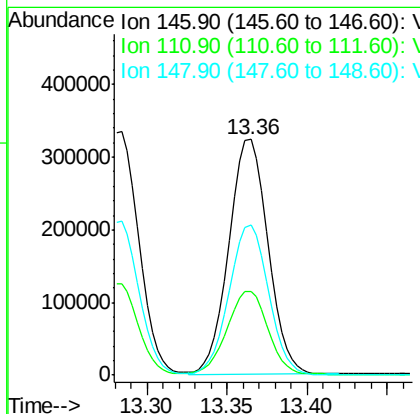
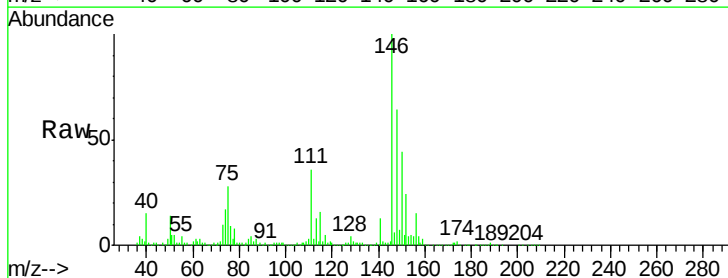
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBSD02

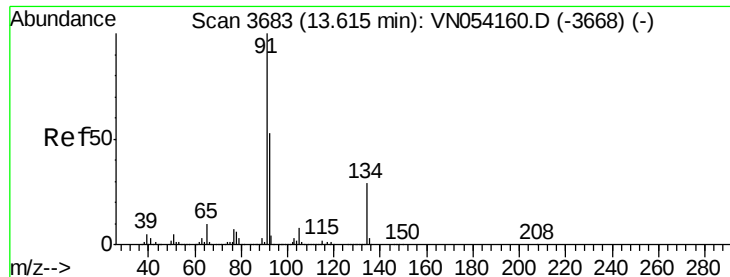
Tot Ion:146 Resp: 555145
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.056 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054422.D
 Acq: 19 Mar 2019 5:02

Tgt Ion:146 Resp: 539119
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 64.6 32.0 96.0





#89

n-Butylbenzene

Concen: 18.685 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

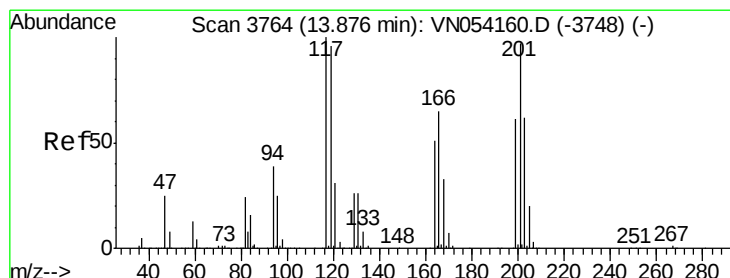
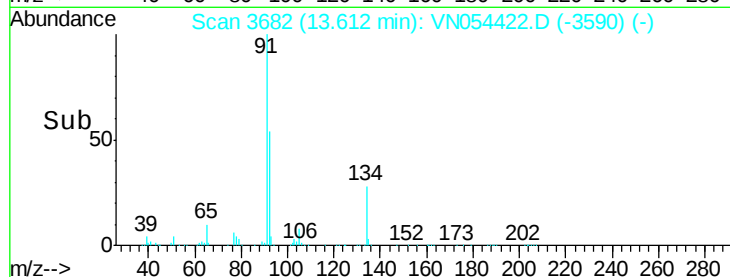
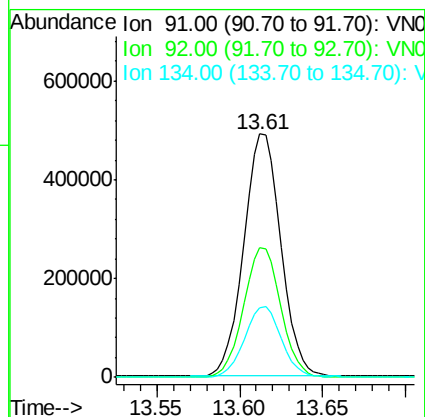
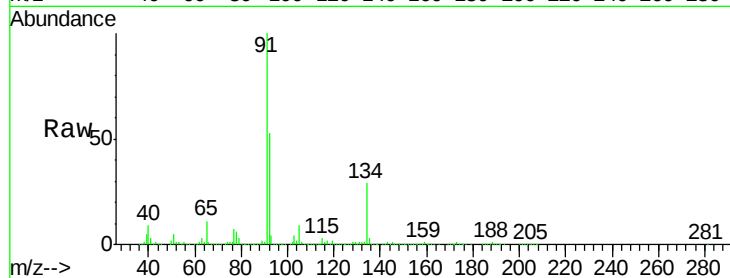
Tot Ion: 91 Resp: 758912

Ion Ratio Lower Upper

91 100

92 53.7 26.2 78.6

134 29.0 14.3 42.9



#90

Hexachloroethane

Concen: 15.883 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054422.D

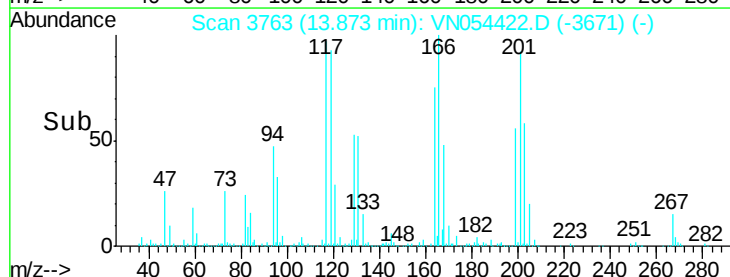
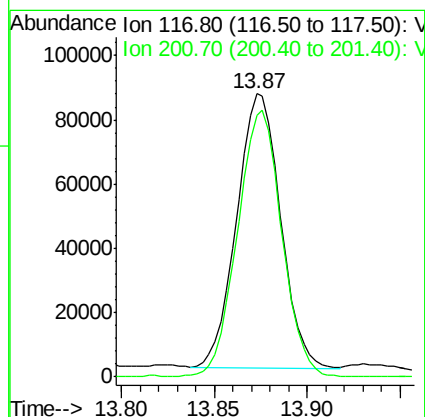
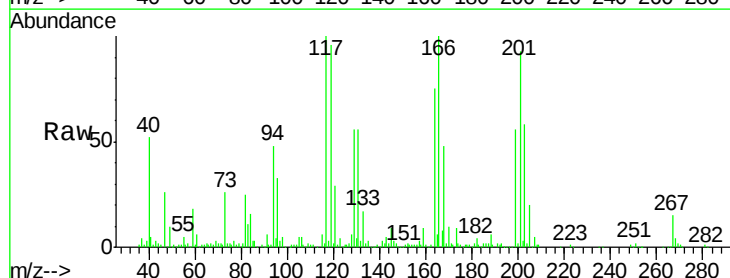
Acq: 19 Mar 2019 5:02

Tgt Ion: 117 Resp: 140589

Ion Ratio Lower Upper

117 100

201 98.1 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 21.182 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

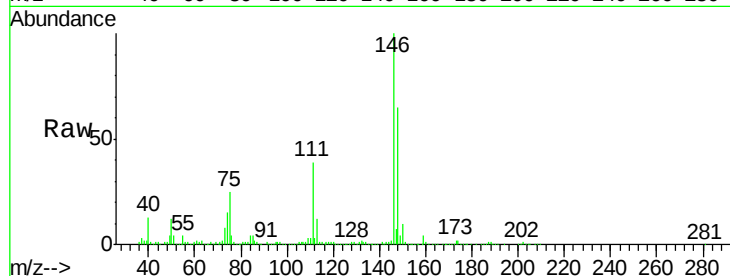
Tot Ion:146 Resp: 566621

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.3

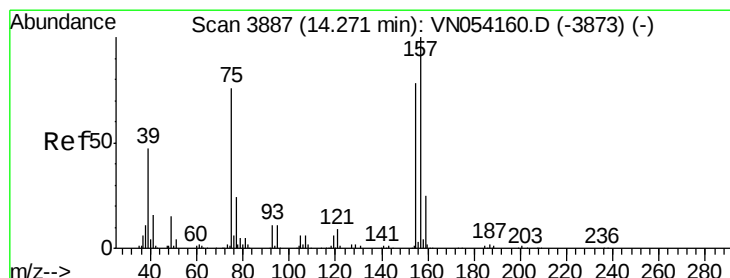
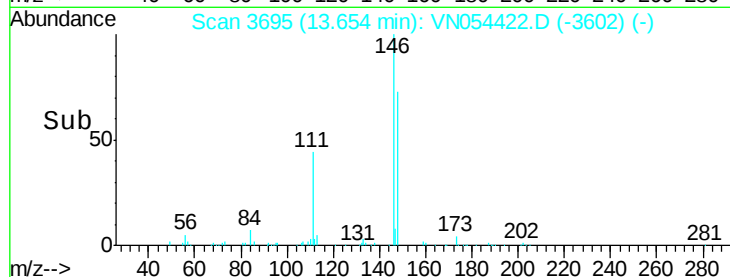
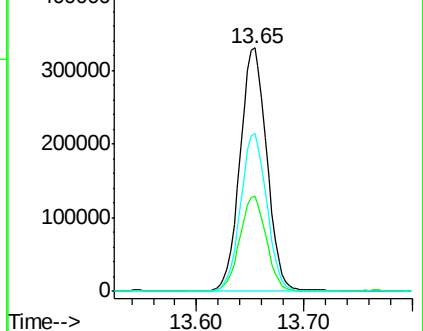
148 63.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.546 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

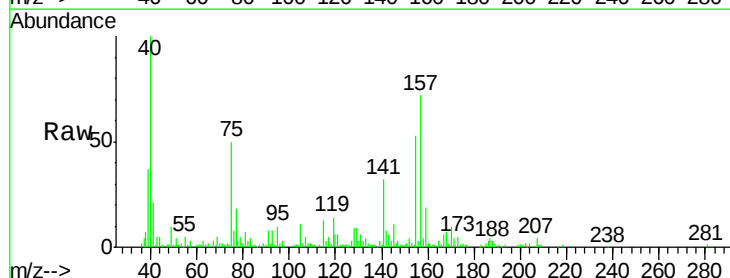
Tgt Ion: 75 Resp: 41569

Ion Ratio Lower Upper

75 100

155 99.5 50.1 150.3

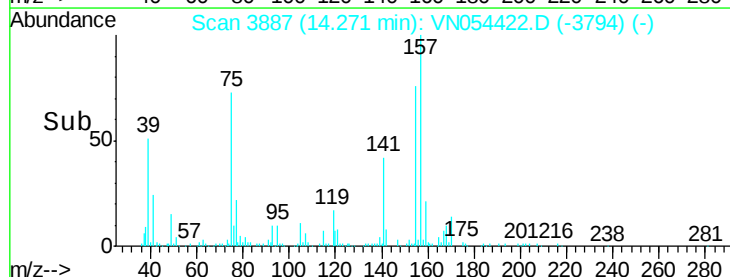
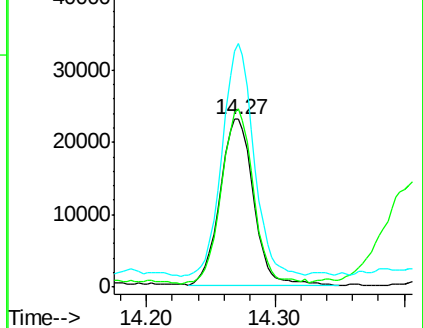
157 130.3 63.1 189.3

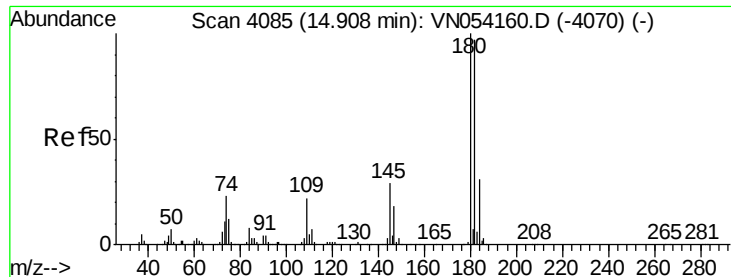


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 20.146 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

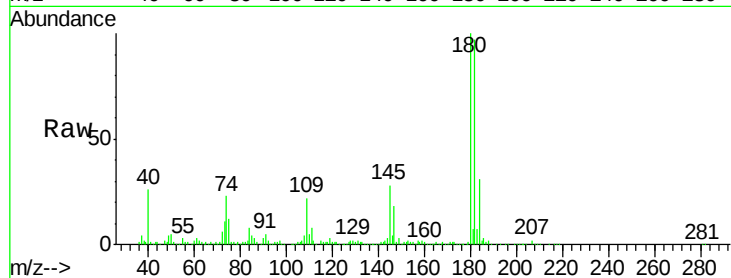
Tot Ion:180 Resp: 299799

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

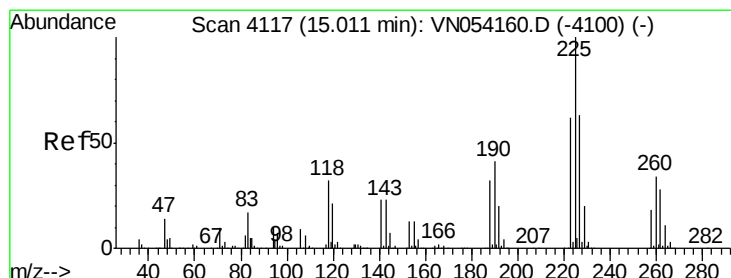
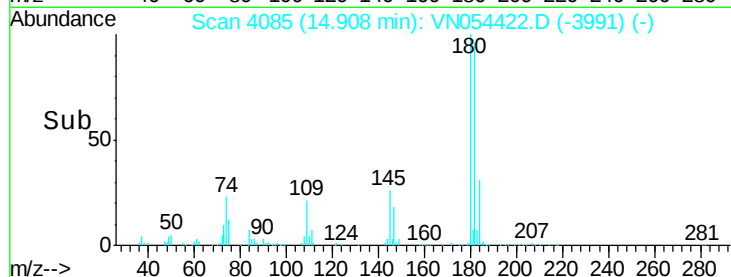
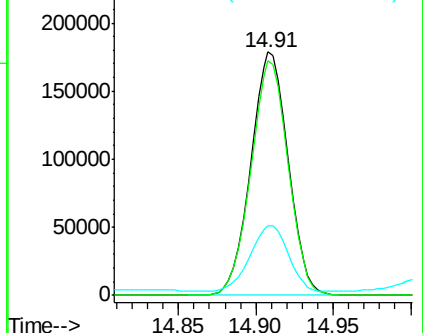
145 27.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 16.415 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

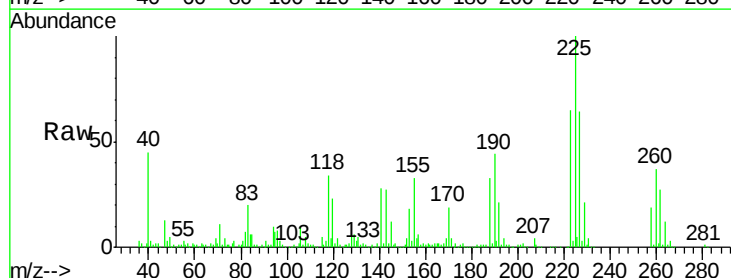
Tgt Ion:225 Resp: 167259

Ion Ratio Lower Upper

225 100

223 63.2 31.1 93.5

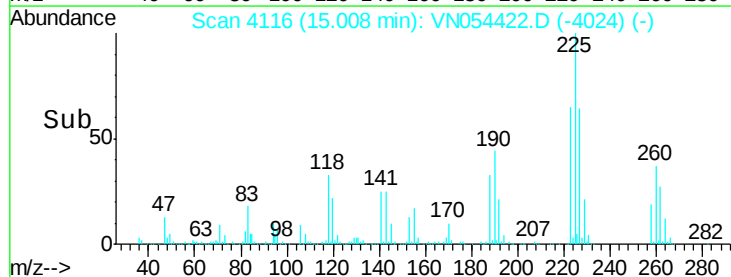
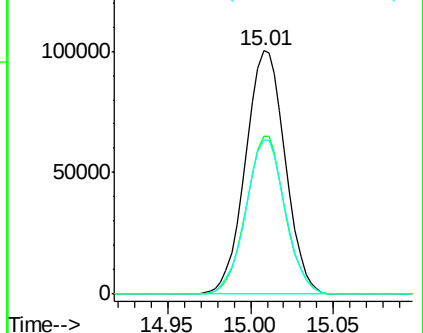
227 62.9 31.9 95.9

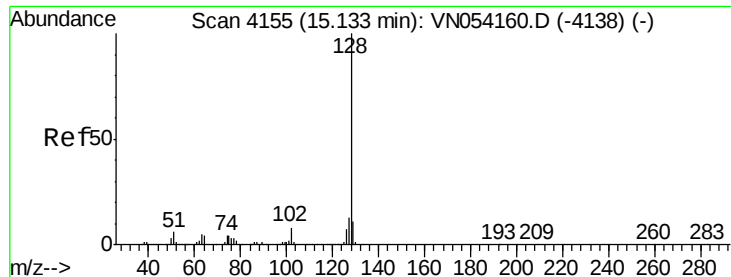


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.147 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBSD02

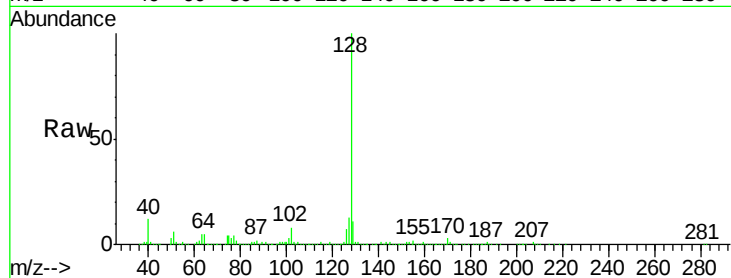
Tot Ion:128 Resp: 711370

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

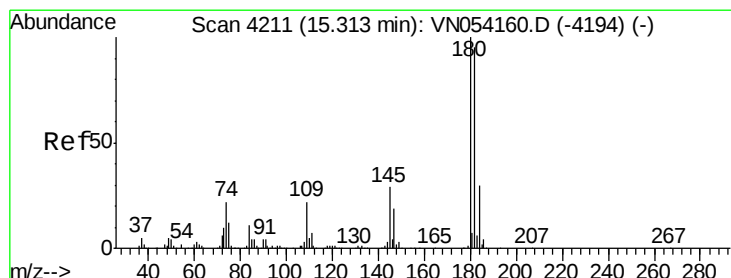
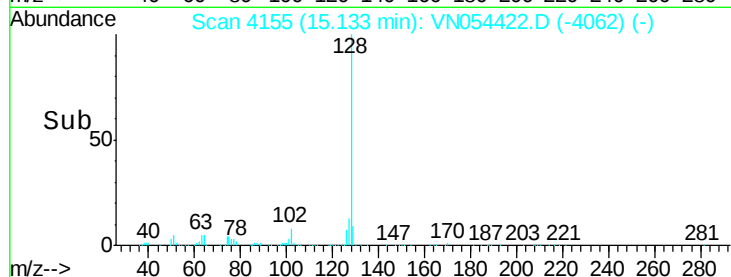
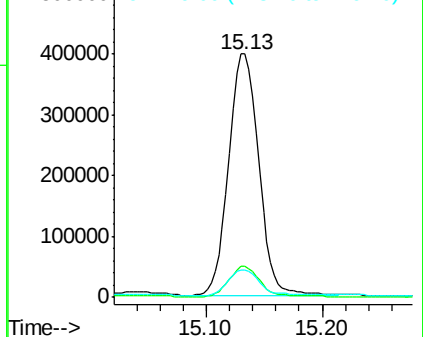
129 11.7 8.7 13.1



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: 22.344 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054422.D

Acq: 19 Mar 2019 5:02

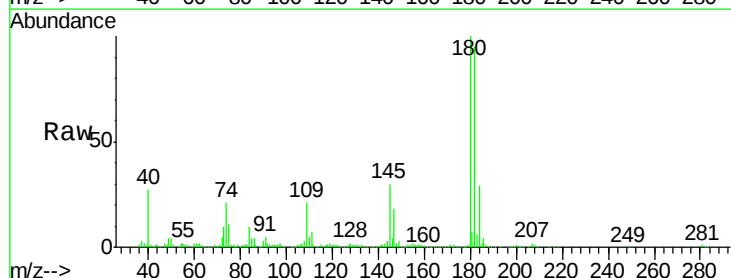
Tgt Ion:180 Resp: 317580

Ion Ratio Lower Upper

180 100

182 93.2 47.5 142.6

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

