

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054256.D
 Acq On : 14 Mar 2019 12:42
 Operator : JC/SP
 Sample : VN0314WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Quant Time: Mar 15 06:51:14 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	1394866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2144411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1896434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	906300	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	757790	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	7.59	113	694427	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.09	98	2522734	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	880698	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	277997	21.029	ug/l	99
3) Chloromethane	2.06	50	243442	18.958	ug/l	99
4) Vinyl Chloride	2.19	62	288115	19.630	ug/l	99
5) Bromomethane	2.58	94	191073	18.797	ug/l	99
6) Chloroethane	2.71	64	170611	19.212	ug/l	99
7) Trichlorofluoromethane	3.02	101	380722	19.510	ug/l	100
8) Diethyl Ether	3.41	74	188334	21.179	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	318379	21.772	ug/l	100
10) Methyl Iodide	3.94	142	291742	15.125	ug/l	99
11) Tert butyl alcohol	4.82	59	89943	88.567	ug/l	100
12) 1,1-Dichloroethene	3.73	96	307805	21.241	ug/l	97
13) Acrolein	3.61	56	68157	70.827	ug/l	98
14) Allyl chloride	4.32	41	351937	18.929	ug/l	98
15) Acrylonitrile	4.99	53	436264	104.582	ug/l	100
16) Acetone	3.82	43	396230	93.419	ug/l	99
17) Carbon Disulfide	4.04	76	642777	17.694	ug/l	100
18) Methyl Acetate	4.33	43	191126	22.273	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	735112	20.466	ug/l	99
20) Methylene Chloride	4.54	84	285767	20.519	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	278011	20.023	ug/l	97
22) Diisopropyl ether	5.96	45	756294	20.381	ug/l	99
23) Vinyl Acetate	5.90	43	2704835	98.862	ug/l	100
24) 1,1-Dichloroethane	5.84	63	489150	20.530	ug/l	100
25) 2-Butanone	6.85	43	515986	103.650	ug/l	100
26) 2,2-Dichloropropane	6.82	77	385025	18.376	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	323341	20.875	ug/l	99
28) Bromochloromethane	7.19	49	190945	19.603	ug/l	97
29) Tetrahydrofuran	7.22	42	318162	99.402	ug/l	98
30) Chloroform	7.37	83	519815	20.908	ug/l	100
31) Cyclohexane	7.65	56	457405	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	447259	19.919	ug/l	99
36) 1,1-Dichloropropene	7.79	75	384582	19.474	ug/l	100
37) Ethyl Acetate	6.94	43	228483	20.136	ug/l	99
38) Carbon Tetrachloride	7.77	117	387067	18.690	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	479797	19.747	ug/l	99
40) Benzene	8.04	78	1144506	20.253	ug/l	98
41) Methacrylonitrile	7.18	41	112002	17.287	ug/l	89
42) 1,2-Dichloroethane	8.13	62	391489	20.519	ug/l	100
43) Isopropyl Acetate	8.17	43	369125	18.533	ug/l	99
44) Trichloroethene	8.84	130	355439	20.247	ug/l	100
45) 1,2-Dichloropropane	9.12	63	288295	20.545	ug/l	99
46) Dibromomethane	9.21	93	189903	20.030	ug/l	97
47) Bromodichloromethane	9.40	83	375447	19.753	ug/l	100
48) Methyl methacrylate	9.20	41	200854	19.871	ug/l	98
49) 1,4-Dioxane	9.20	88	56285	393.679	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1065073	101.047	ug/l	100
52) Toluene	10.16	92	727402	20.300	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	347225	17.324	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	418898	18.913	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	266247	20.350	ug/l	99
56) Ethyl methacrylate	10.43	69	313855	20.118	ug/l	99
57) 1,3-Dichloropropane	10.71	76	433311	20.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	588933	97.986	ug/l	100
59) 2-Hexanone	10.75	43	685770	97.778	ug/l	99
60) Dibromochloromethane	10.90	129	277524	18.845	ug/l	100
61) 1,2-Dibromoethane	11.01	107	267464	20.116	ug/l	99
64) Tetrachloroethene	10.63	164	357019	19.471	ug/l	98
65) Chlorobenzene	11.43	112	841887	20.218	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	289743	19.154	ug/l	97
67) Ethyl Benzene	11.51	91	1359416	19.694	ug/l	99
68) m/p-Xylenes	11.62	106	1070834	39.692	ug/l	100
69) o-Xylene	11.95	106	525677	19.988	ug/l	99
70) Styrene	11.96	104	813058	19.712	ug/l	99
71) Bromoform	12.13	173	176367	16.926	ug/l #	99
73) Isopropylbenzene	12.25	105	1405774	19.387	ug/l	100
74) N-amyl acetate	12.07	43	300491	18.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	299275	19.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	349720	26.240	ug/l #	100
77) Bromobenzene	12.53	156	368812	19.222	ug/l	98
78) n-propylbenzene	12.59	91	1534051	19.498	ug/l	100
79) 2-Chlorotoluene	12.68	91	913432	19.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1159656	19.227	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55845	14.324	ug/l #	83
82) 4-Chlorotoluene	12.77	91	911520	19.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1070186	19.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1156626	19.548	ug/l	99
85) sec-Butylbenzene	13.17	105	1391189	19.324	ug/l	100
86) p-Isopropyltoluene	13.29	119	1222848	19.361	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	630757	19.509	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	623176	19.621	ug/l	99
89) n-Butylbenzene	13.62	91	946530	19.723	ug/l	100
90) Hexachloroethane	13.88	117	177331	16.956	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	624982	19.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43584	18.232	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

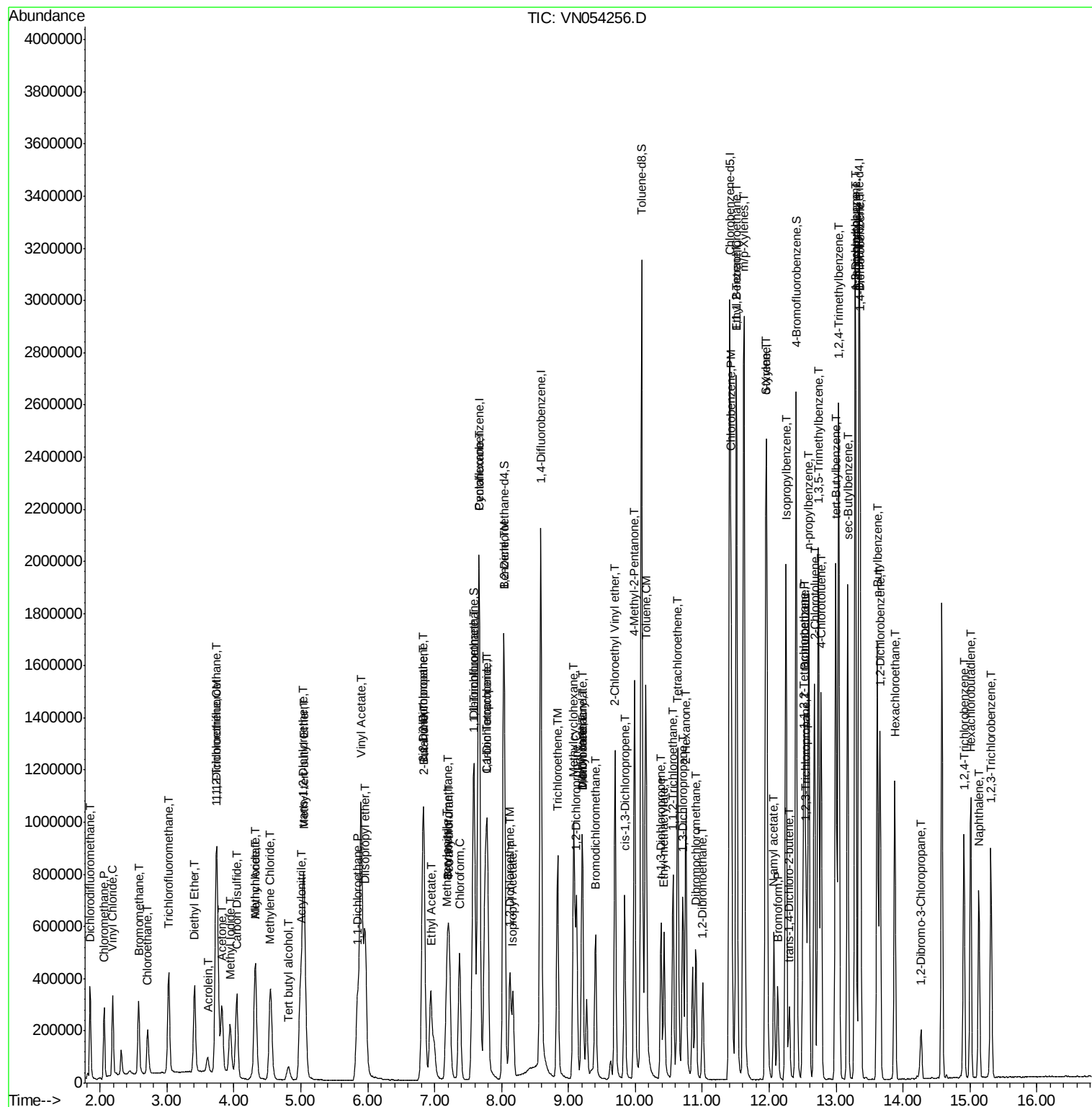
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	335229	19.200	ug/l	99
94) Hexachlorobutadiene	15.01	225	237496	19.727	ug/l	100
95) Naphthalene	15.13	128	646206	18.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	337838	20.118	ug/l	100

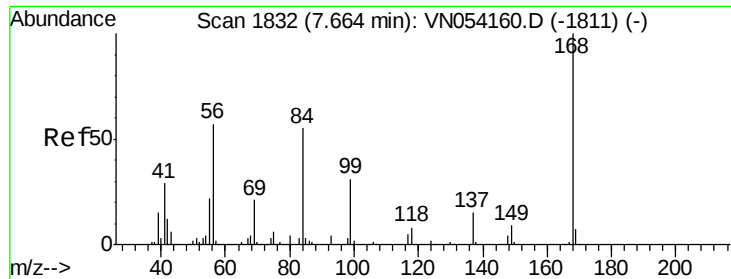
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

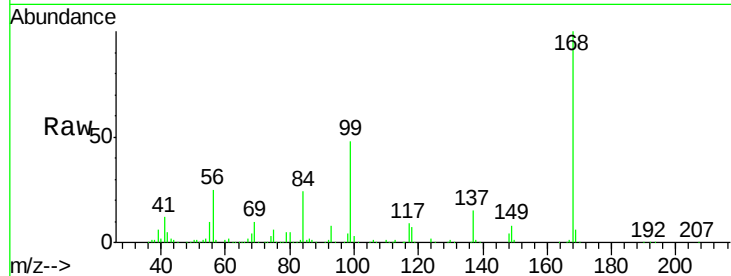
VN0314WBS01

Tot Ion:168 Resp: 1394866

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

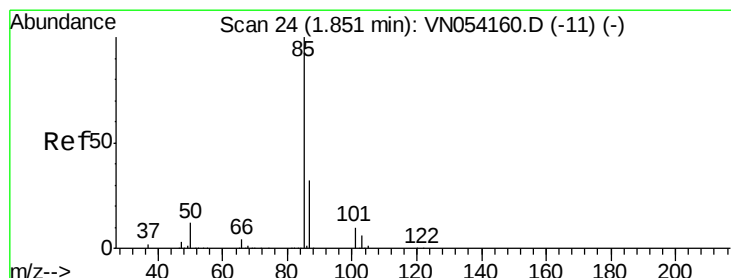
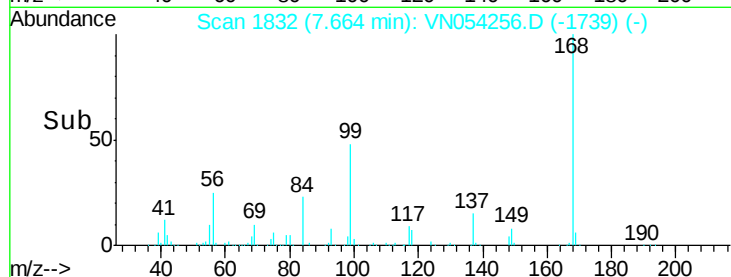
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 21.029 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054256.D

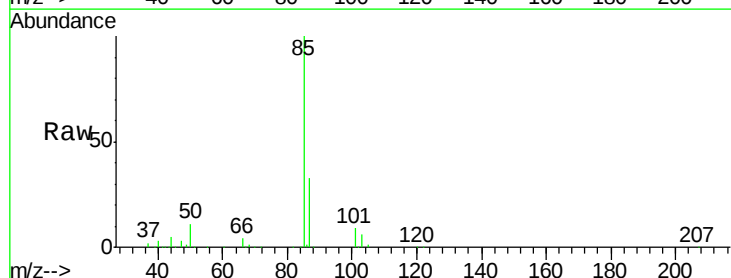
Acq: 14 Mar 2019 12:42

Tgt Ion: 85 Resp: 277997

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

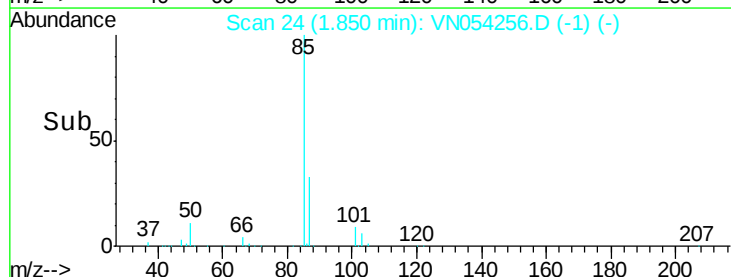
150000

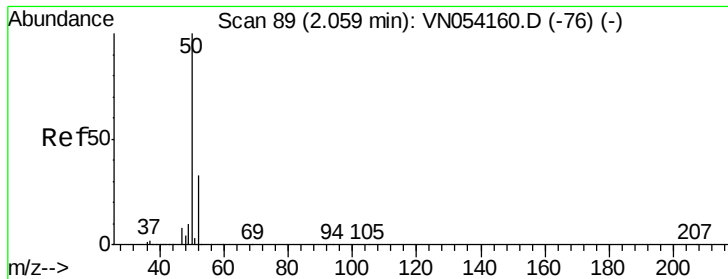
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.958 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

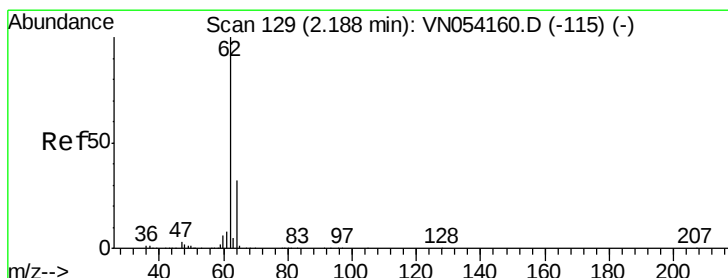
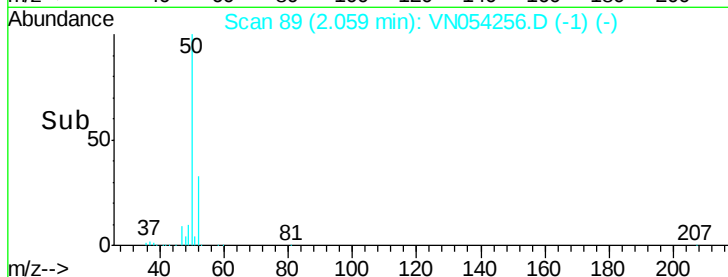
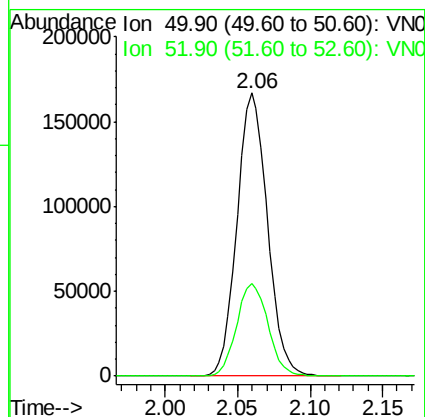
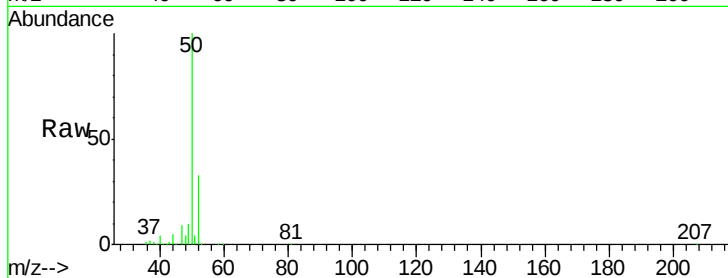
VN0314WBS01

Tot Ion: 50 Resp: 243442

Ion Ratio Lower Upper

50 100

52 32.6 26.4 39.6



#4

Vinyl Chloride

Concen: 19.630 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054256.D

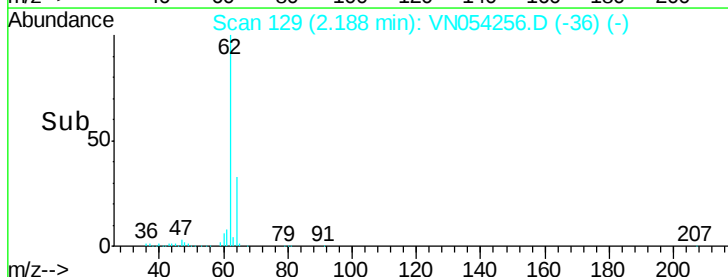
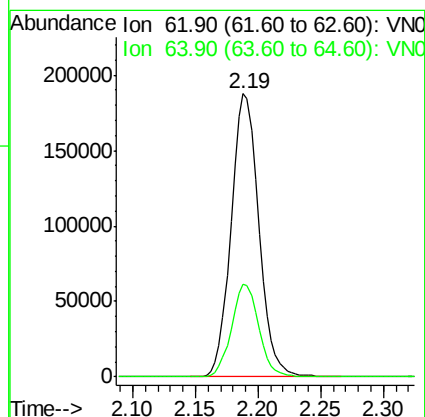
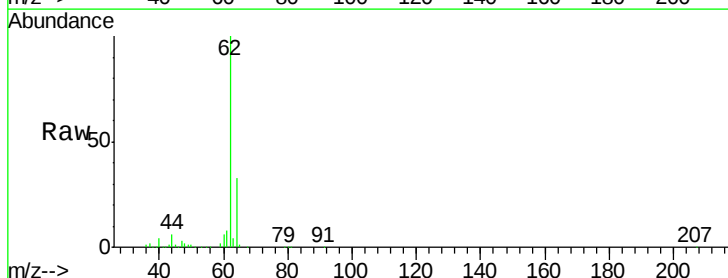
Acq: 14 Mar 2019 12:42

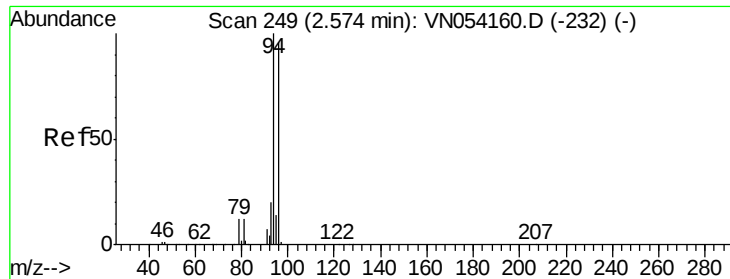
Tgt Ion: 62 Resp: 288115

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 18.797 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

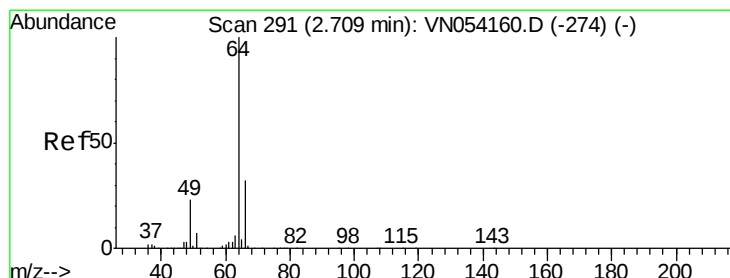
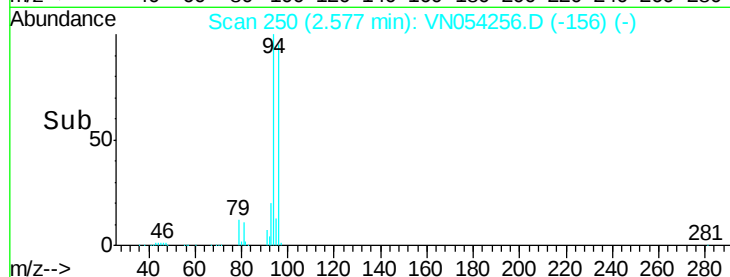
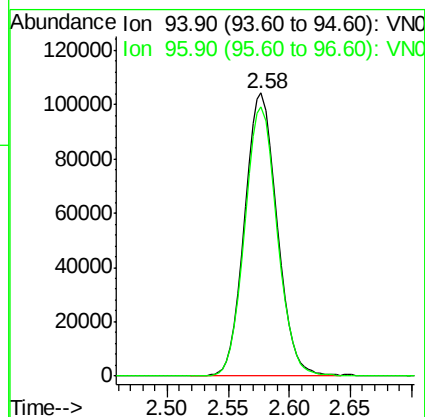
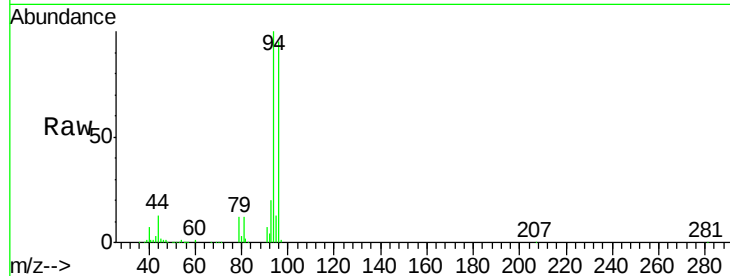
VN0314WBS01

Tot Ion: 94 Resp: 191073

Ion Ratio Lower Upper

94 100

96 95.2 77.0 115.4



#6

Chloroethane

Concen: 19.212 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054256.D

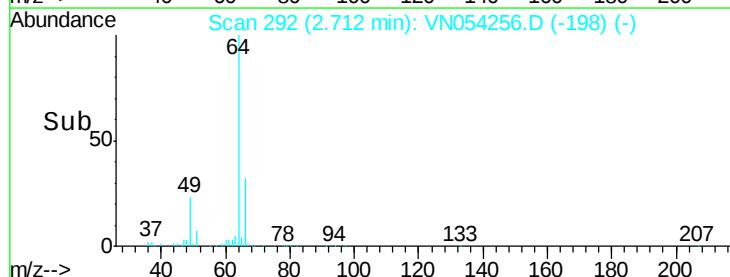
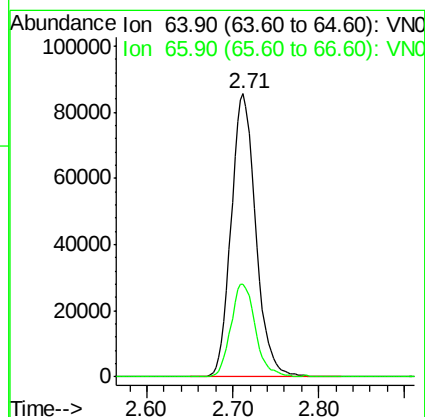
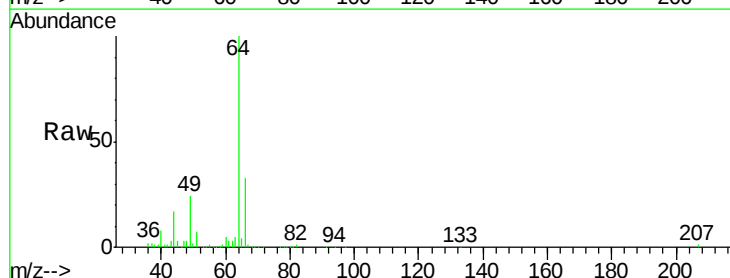
Acq: 14 Mar 2019 12:42

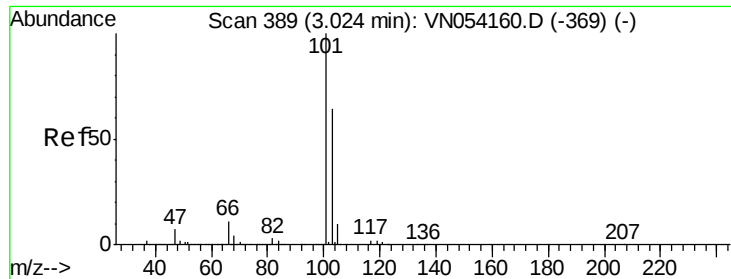
Tgt Ion: 64 Resp: 170611

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5



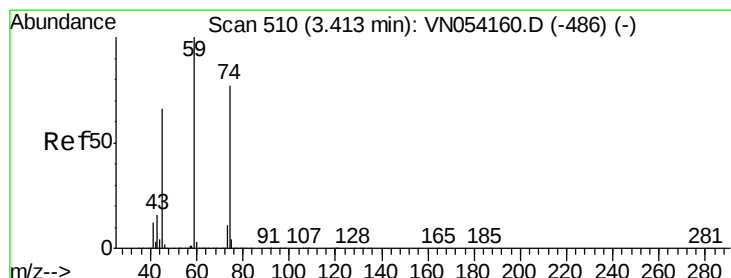
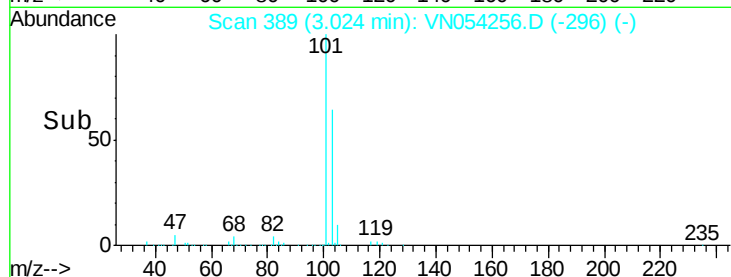
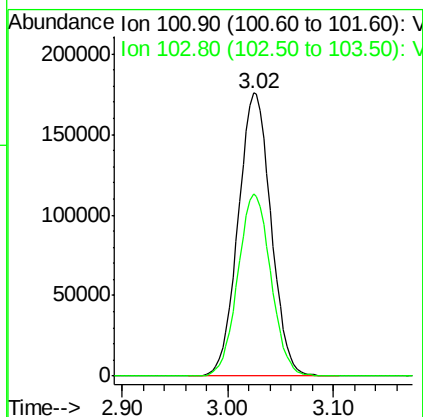
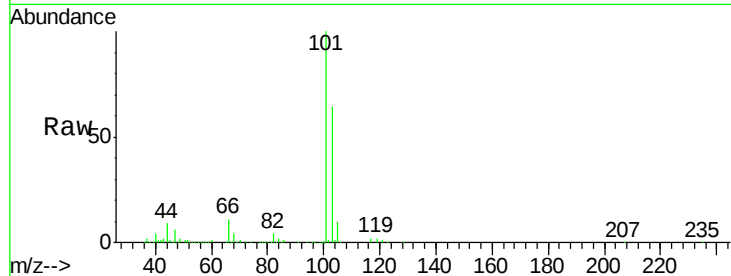


#7

Trichlorofluoromethane
Concen: 19.510 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
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VN0314WBS01

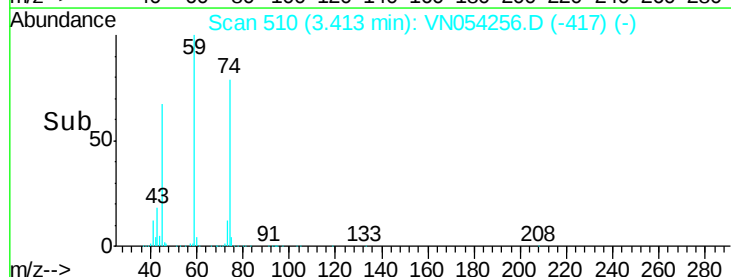
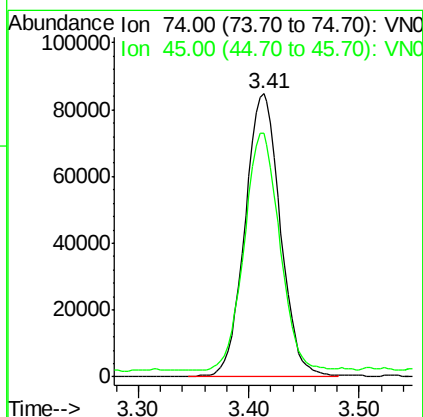
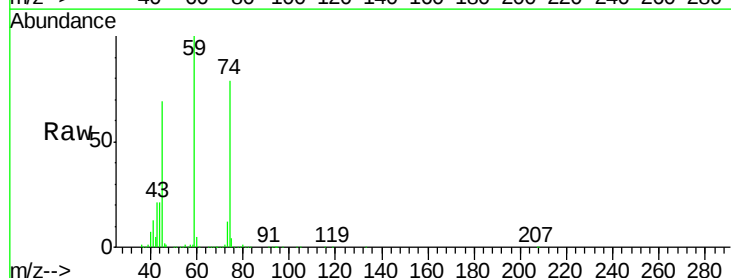
Tot Ion:101 Resp: 380722
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

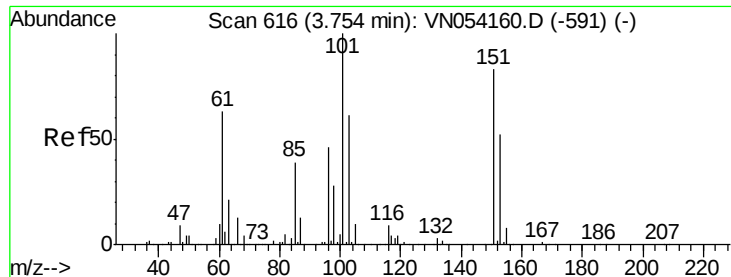


#8

Diethyl Ether
Concen: 21.179 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 74 Resp: 188334
Ion Ratio Lower Upper
74 100
45 83.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.772 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VN0314WBS01

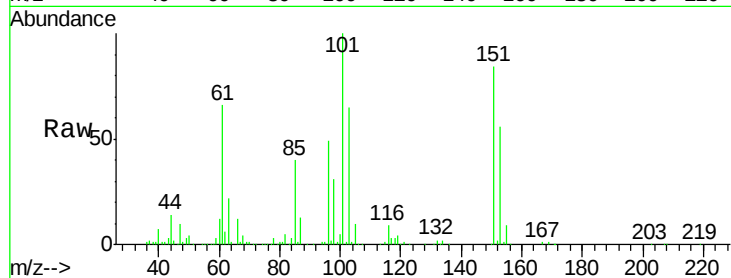
Tot Ion:101 Resp: 318379

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

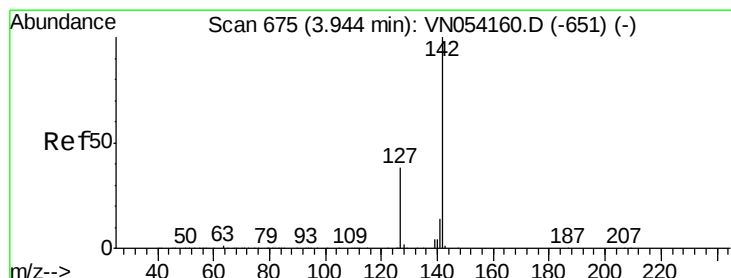
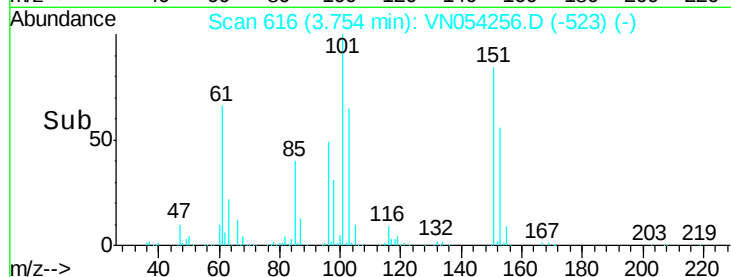
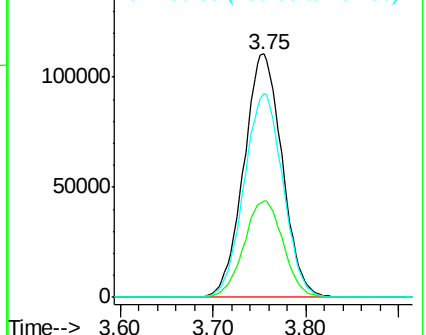
151 84.8 68.2 102.2



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: 15.125 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

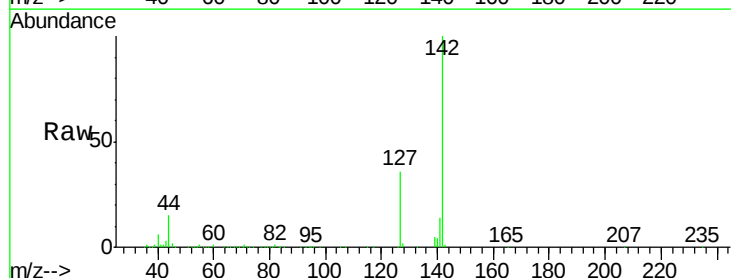
Tgt Ion:142 Resp: 291742

Ion Ratio Lower Upper

142 100

127 37.4 30.3 45.5

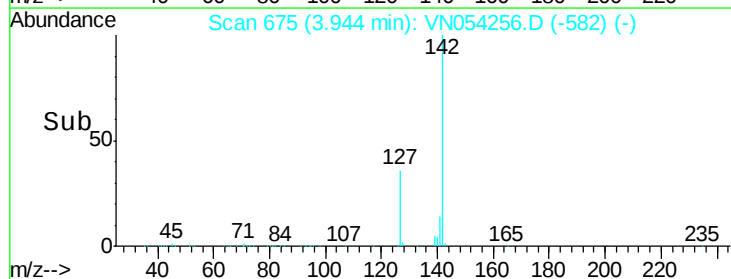
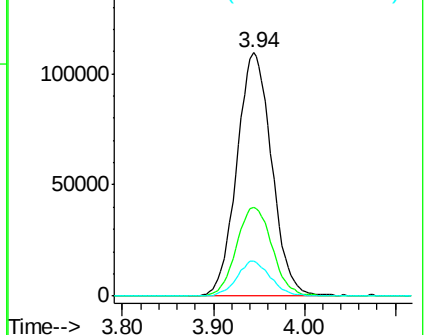
141 13.8 11.2 16.8

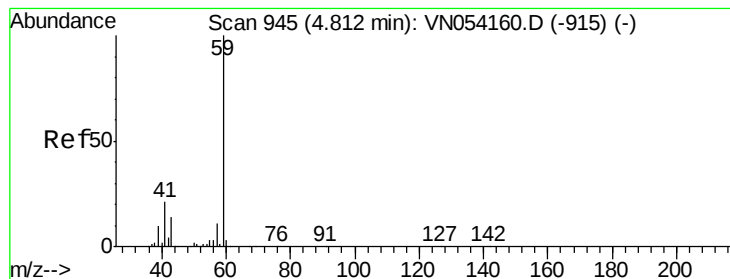


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



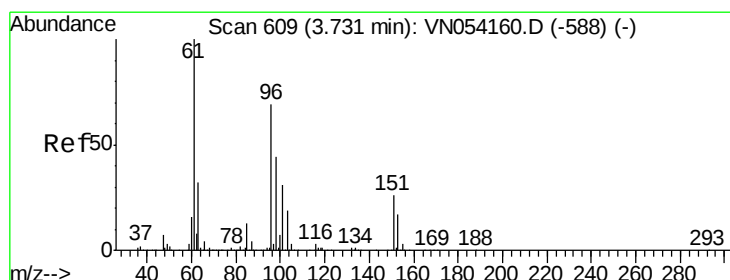
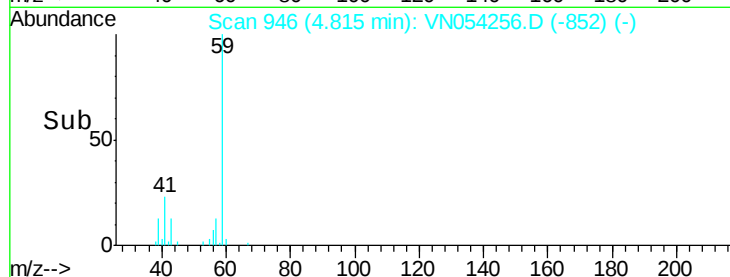
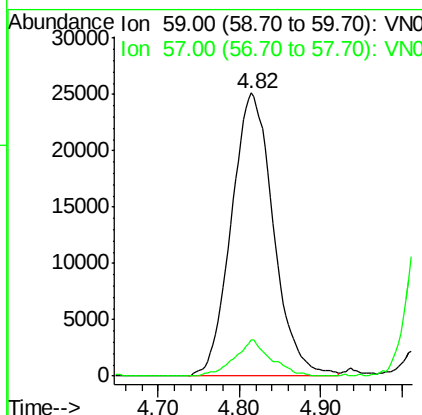
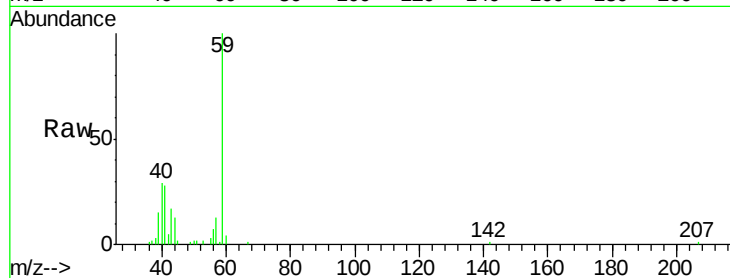


#11

Tert butyl alcohol
 Concen: 88.567 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

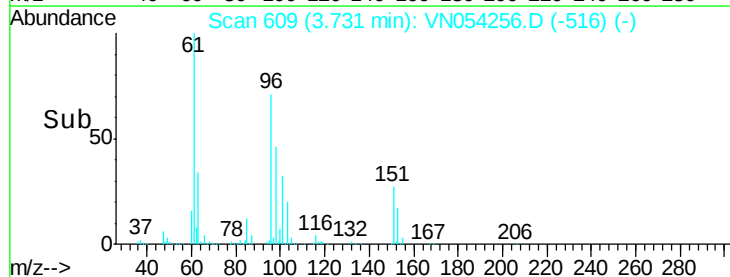
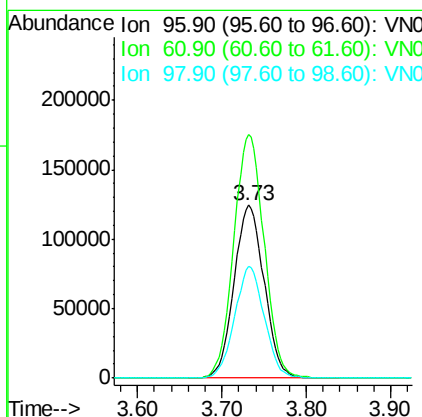
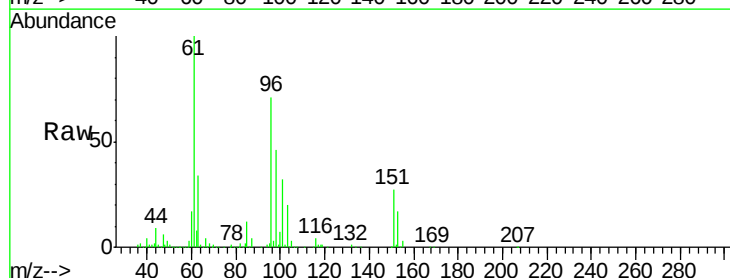
Tot Ion: 59 Resp: 89943
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

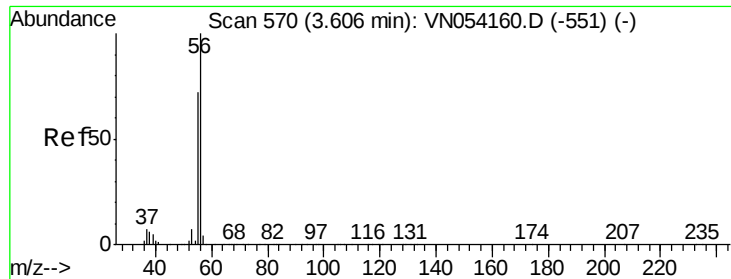


#12

1,1-Dichloroethene
 Concen: 21.241 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 96 Resp: 307805
 Ion Ratio Lower Upper
 96 100
 61 141.2 116.5 174.7
 98 64.6 51.0 76.4





#13

Acrolein

Concen: 70.827 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

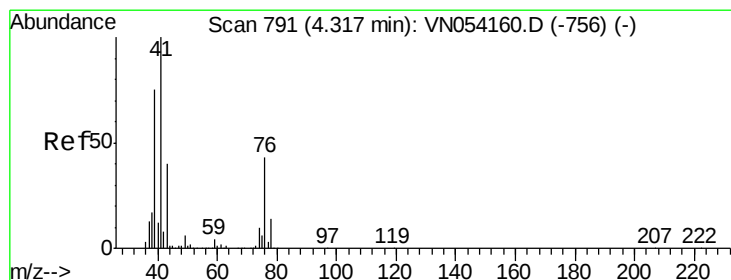
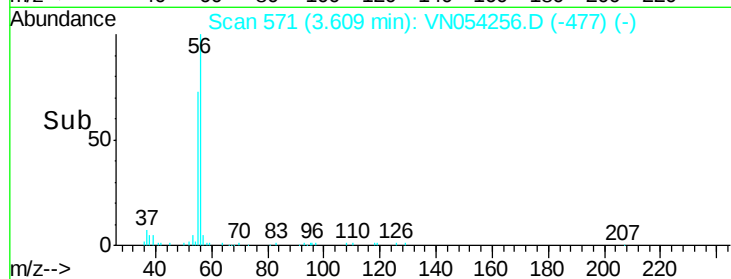
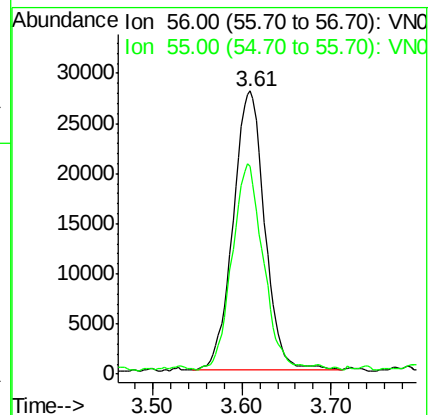
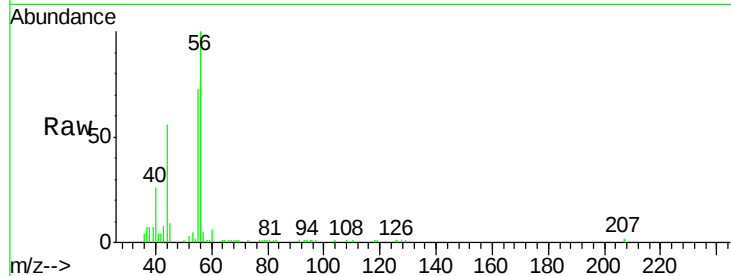
VN0314WBS01

Tot Ion: 56 Resp: 68157

Ion Ratio Lower Upper

56 100

55 72.8 56.7 85.1



#14

Allyl chloride

Concen: 18.929 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

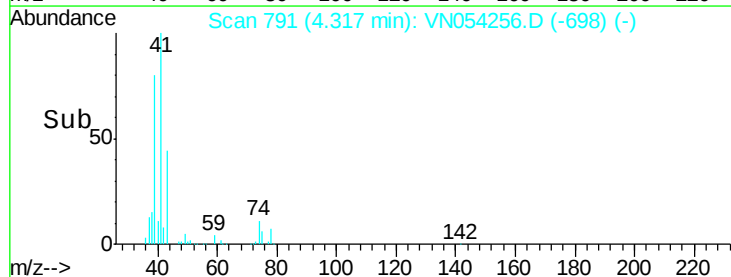
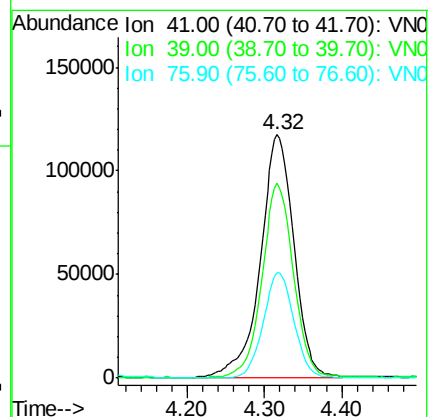
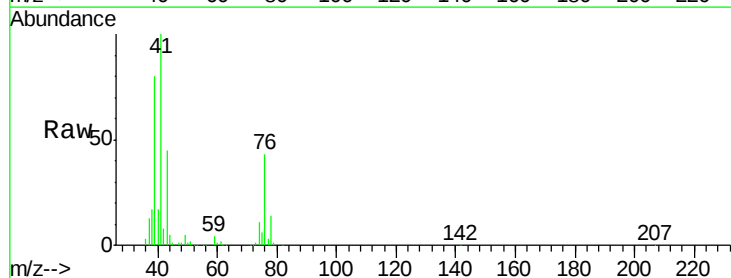
Tgt Ion: 41 Resp: 351937

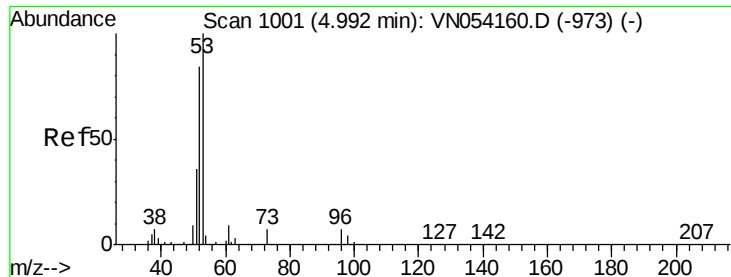
Ion Ratio Lower Upper

41 100

39 75.5 58.2 87.4

76 39.9 31.7 47.5





#15

Acrylonitrile

Concen: 104.582 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

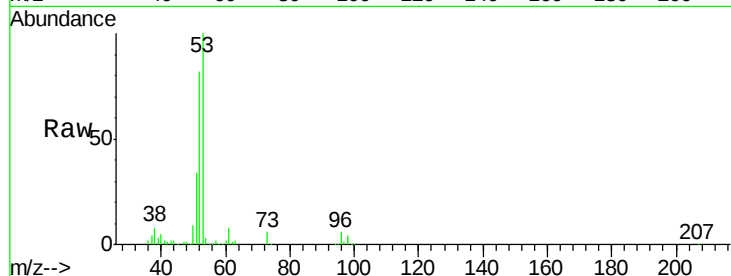
Tot Ion: 53 Resp: 436264

Ion Ratio Lower Upper

53 100

52 82.5 66.4 99.6

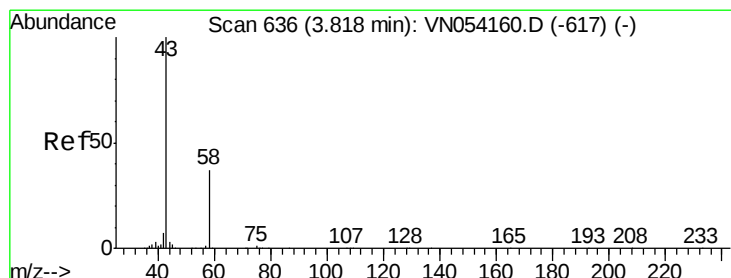
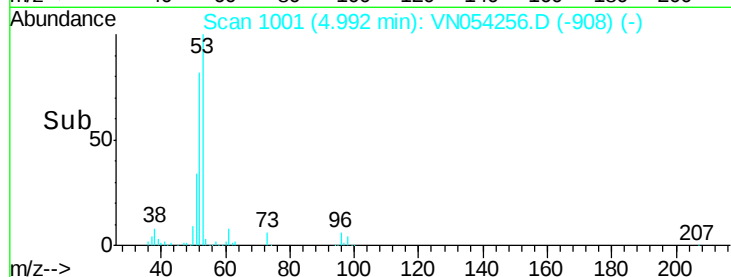
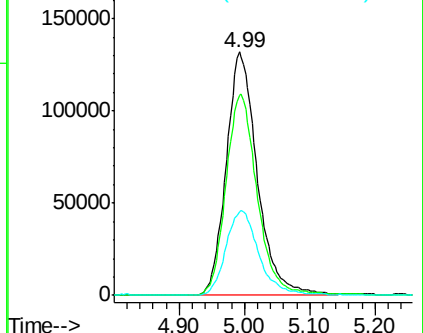
51 37.1 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.419 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054256.D

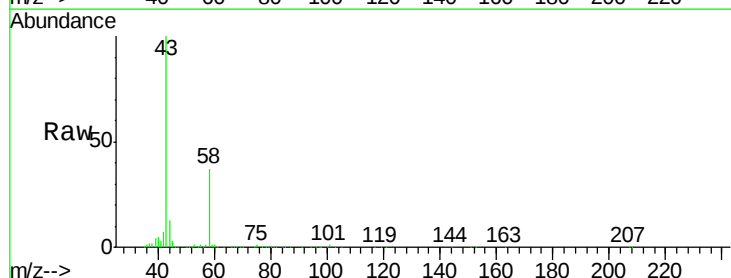
Acq: 14 Mar 2019 12:42

Tgt Ion: 43 Resp: 396230

Ion Ratio Lower Upper

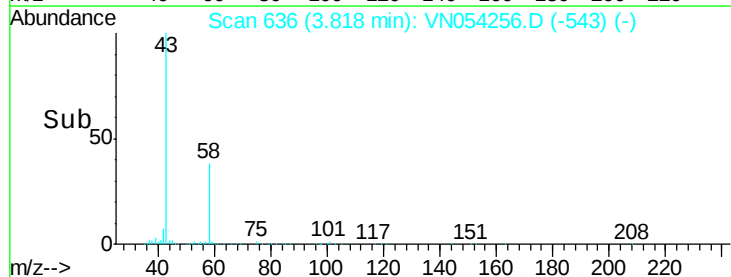
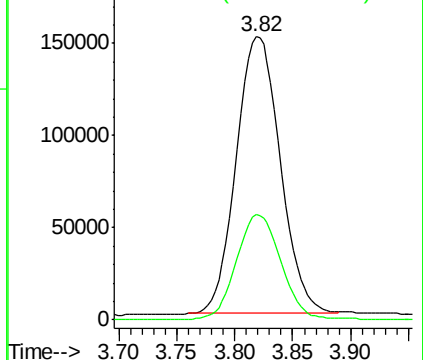
43 100

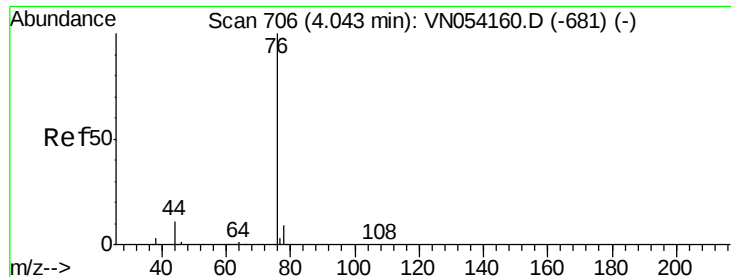
58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

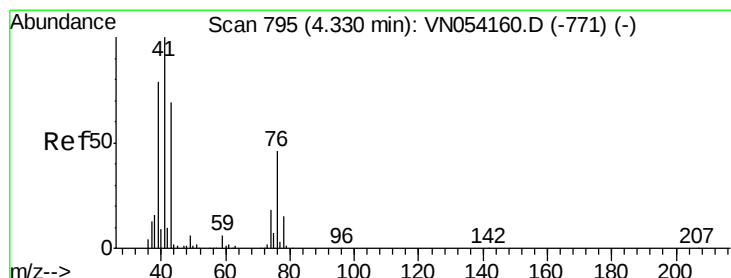
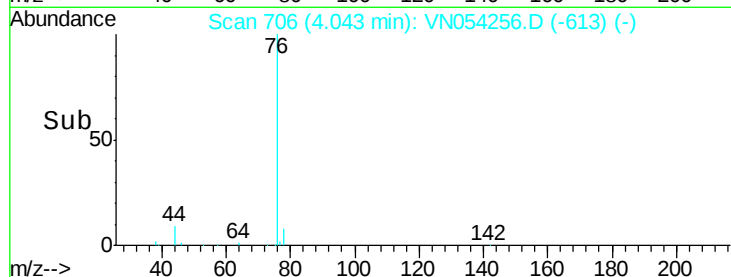
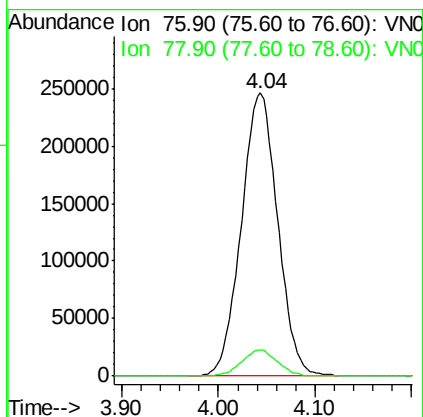
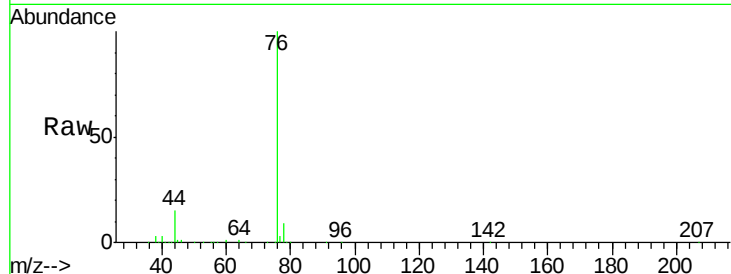




#17
Carbon Disulfide
Concen: 17.694 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

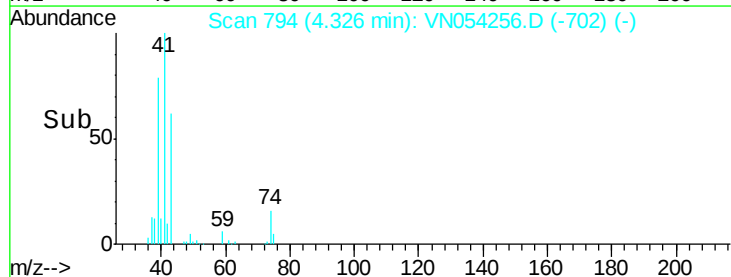
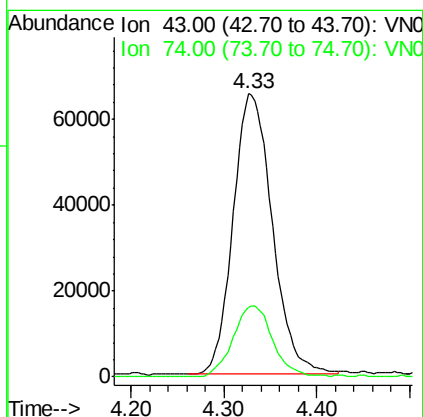
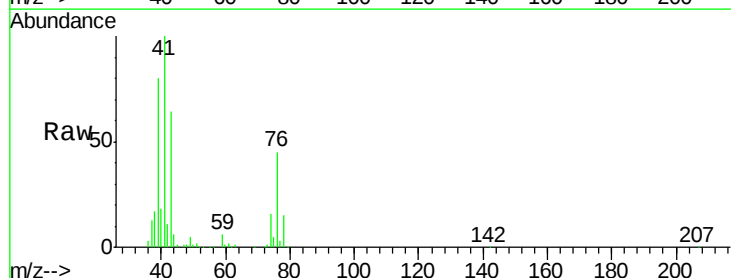
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

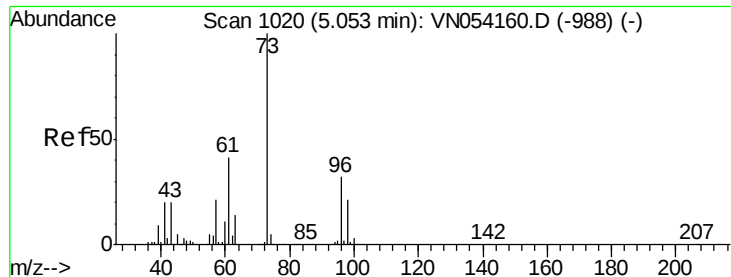
Tot Ion: 76 Resp: 642777
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 22.273 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 43 Resp: 191126
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2

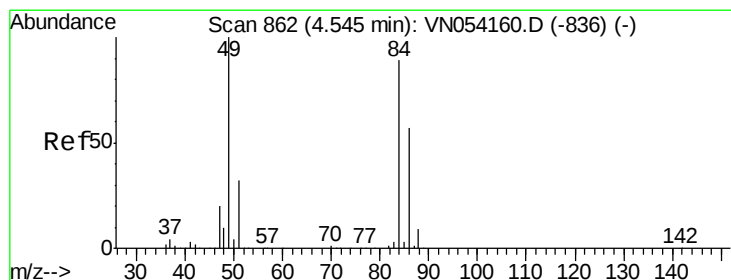
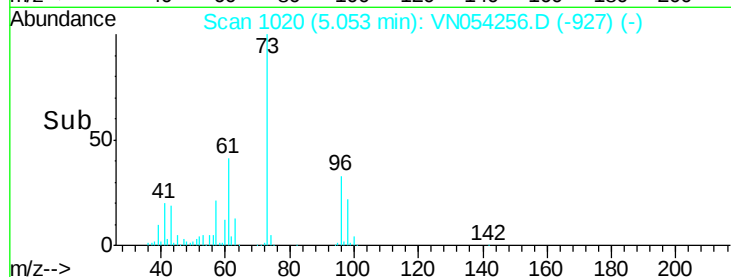
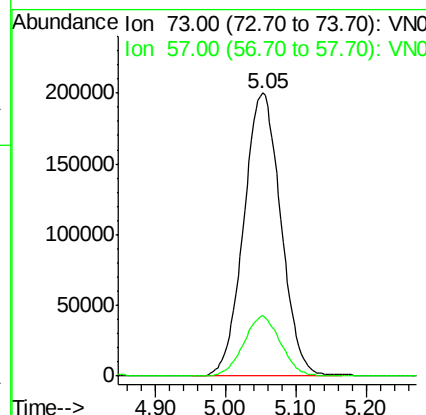
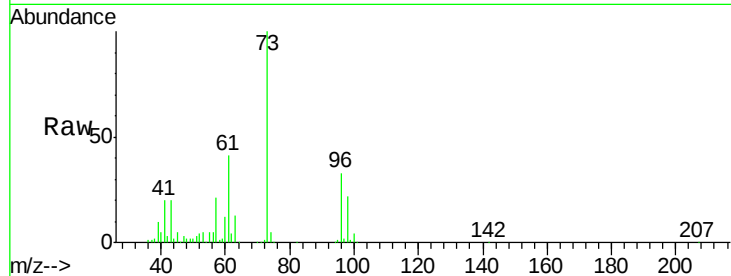




#19
Methvl tert-butvl Ether
Concen: 20.466 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

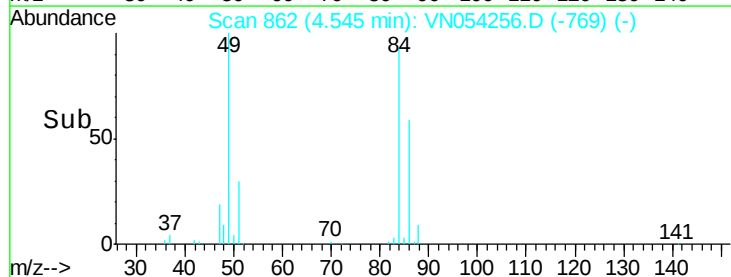
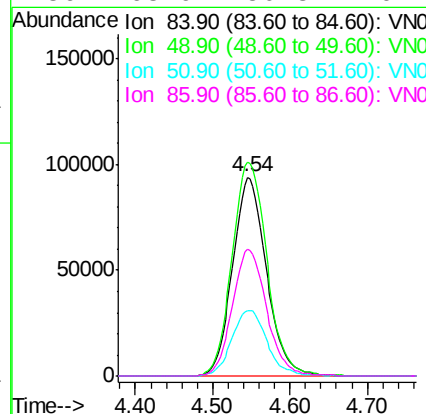
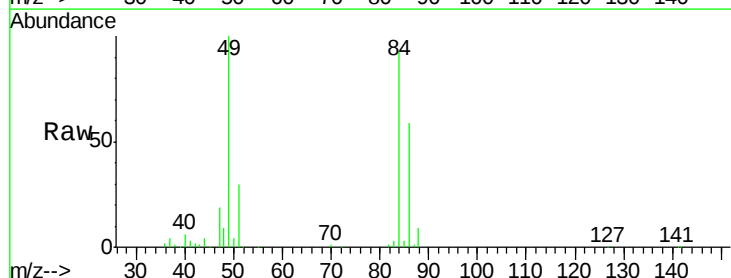
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tot Ion: 73 Resp: 735112
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2



#20
Methylene Chloride
Concen: 20.519 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 84 Resp: 285767
Ion Ratio Lower Upper
84 100
49 107.5 89.7 134.5
51 32.6 28.2 42.4
86 63.9 50.8 76.2

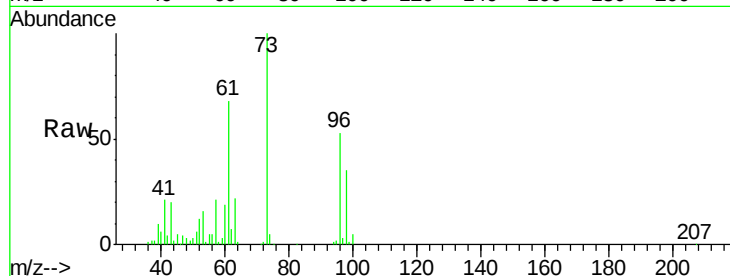




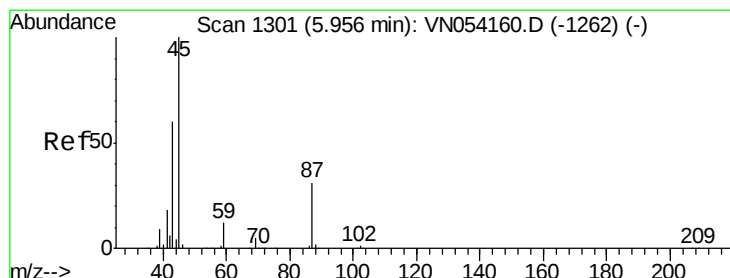
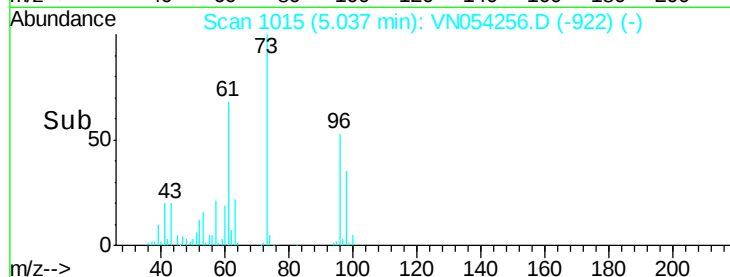
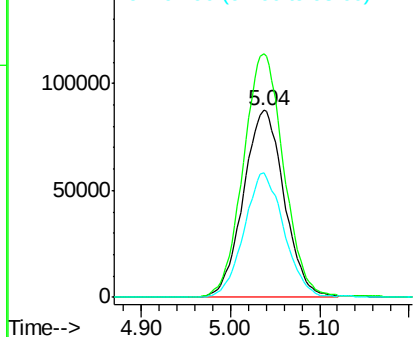
#21
trans-1,2-Dichloroethene
Concen: 20.023 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion: 96 Resp: 278011
Ion Ratio Lower Upper
96 100
61 130.1 102.8 154.2
98 66.6 50.0 75.0

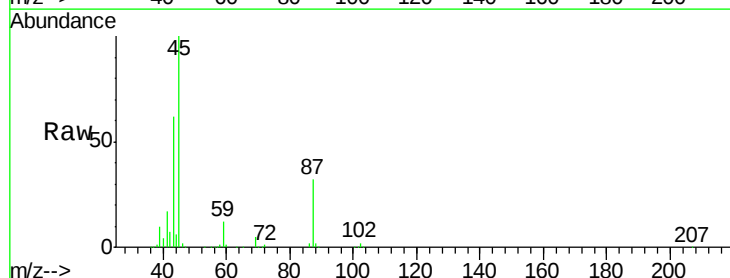


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

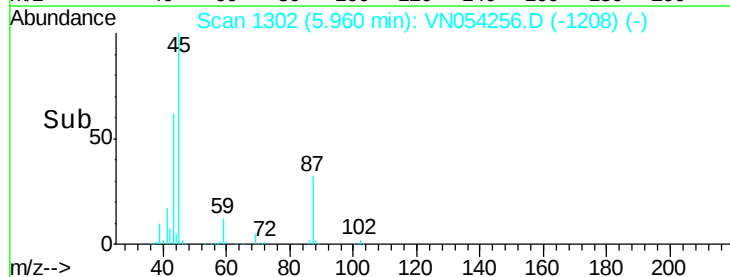
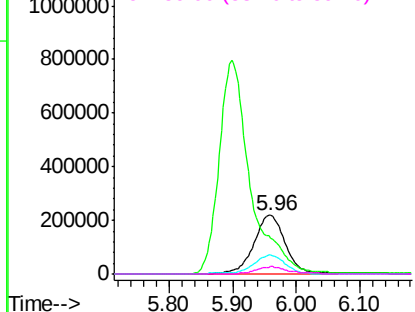


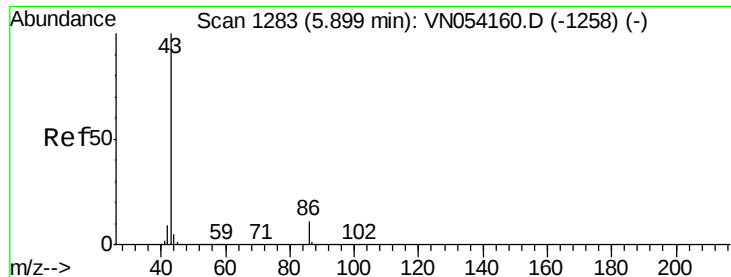
#22
Diisopropyl ether
Concen: 20.381 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 45 Resp: 756294
Ion Ratio Lower Upper
45 100
43 61.7 48.2 72.2
87 31.2 24.9 37.3
59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.862 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

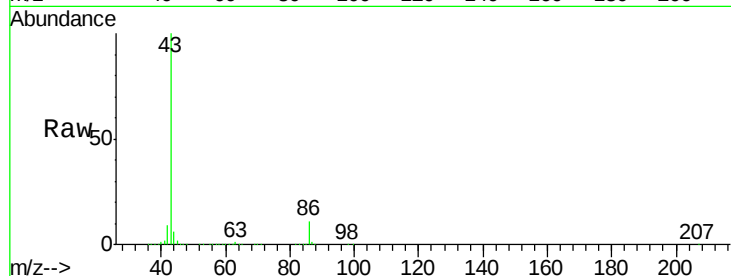
VN0314WBS01

Tot Ion: 43 Resp: 2704835

Ion Ratio Lower Upper

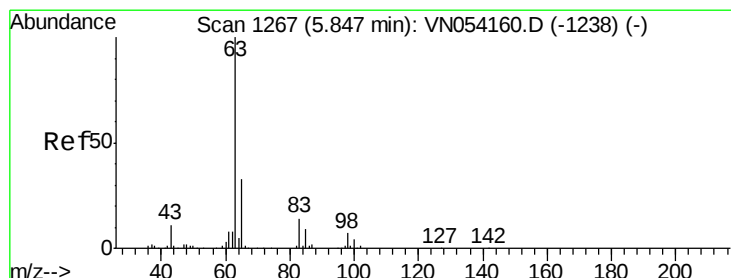
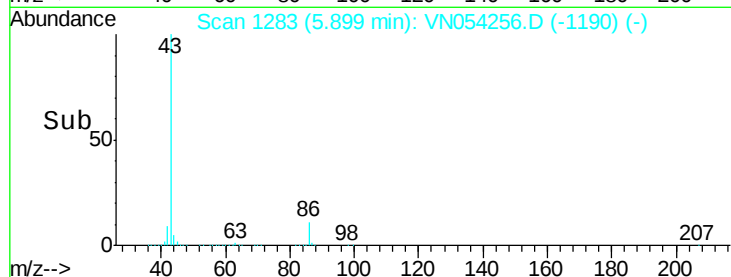
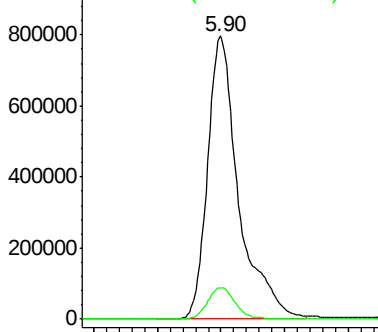
43 100

86 11.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.530 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

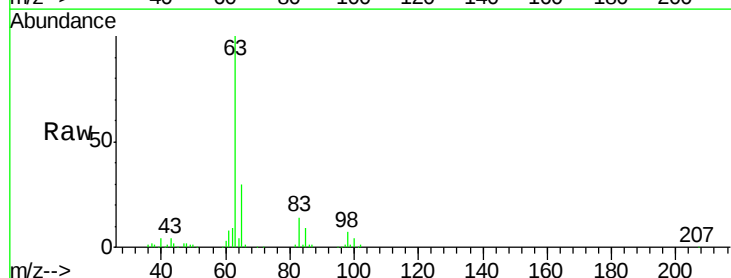
Tgt Ion: 63 Resp: 489150

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

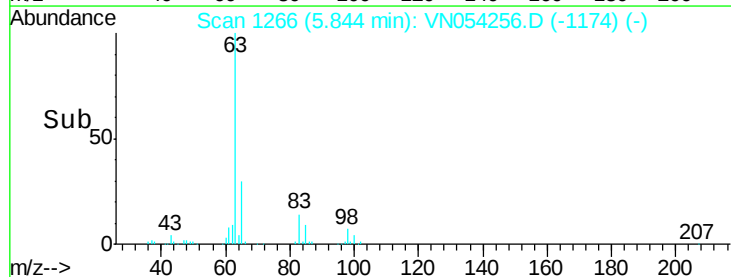
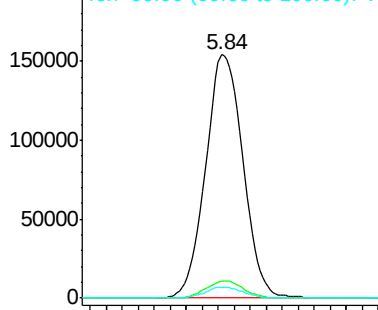
100 4.4 2.0 6.0

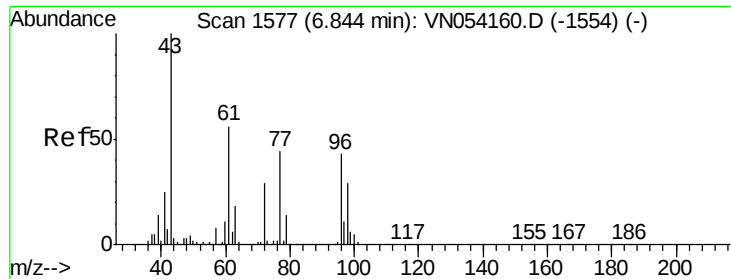


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

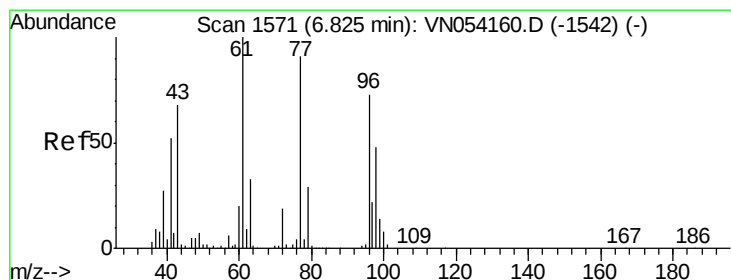
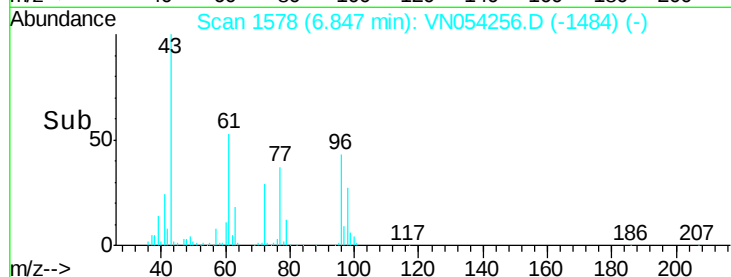
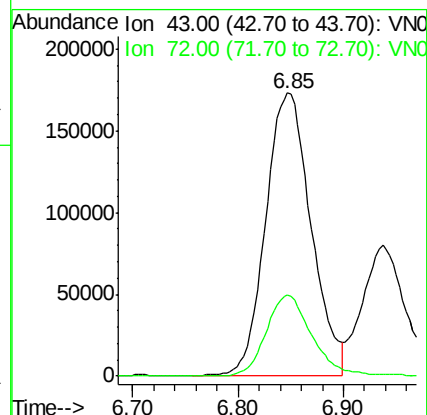
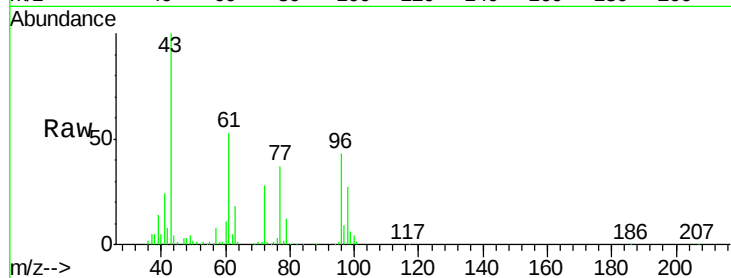




#25
 2-Butanone
 Concen: 103.650 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

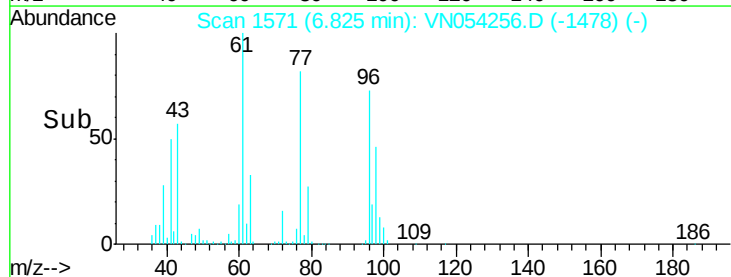
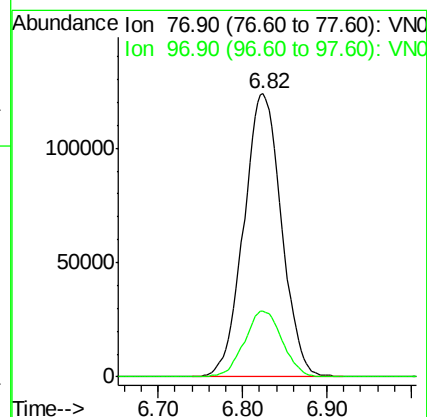
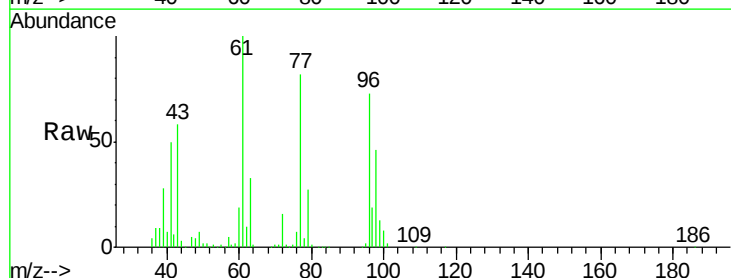
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

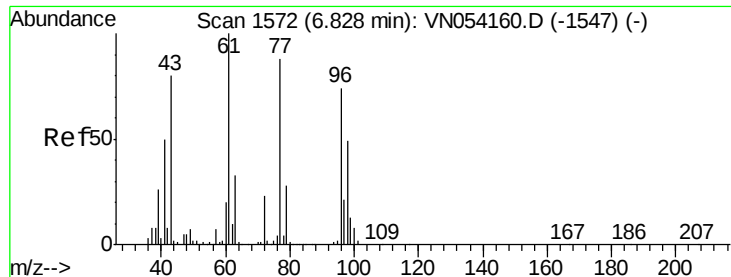
Tot Ion: 43 Resp: 515986
 Ion Ratio Lower Upper
 43 100
 72 28.6 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 18.376 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 77 Resp: 385025
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.875 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

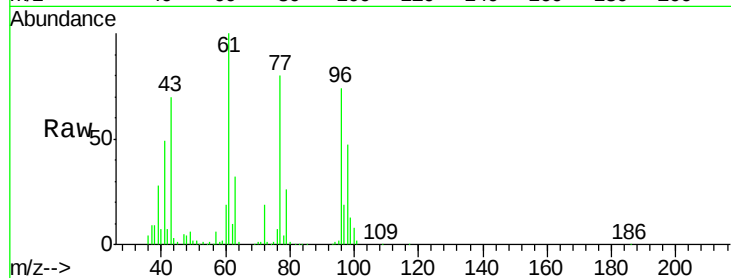
Tot Ion: 96 Resp: 323341

Ion Ratio Lower Upper

96 100

61 135.4 0.0 273.0

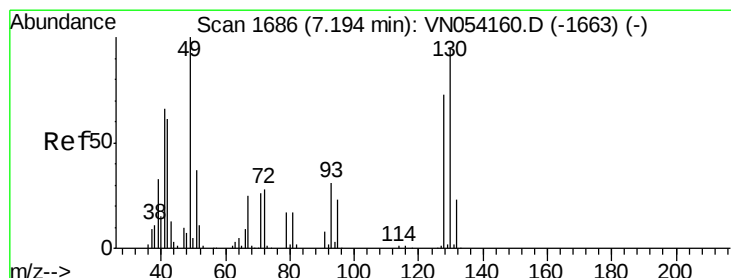
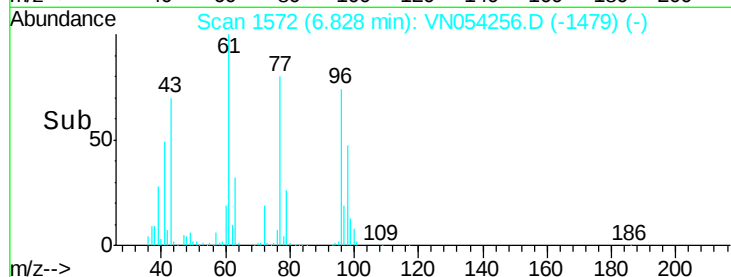
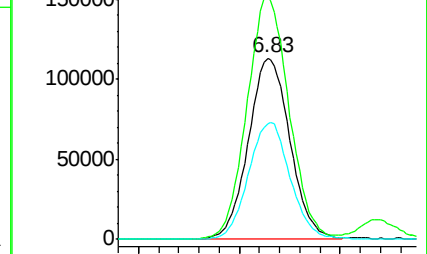
98 65.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054160.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054160.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1547) (-)



#28

Bromochloromethane

Concen: 19.603 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

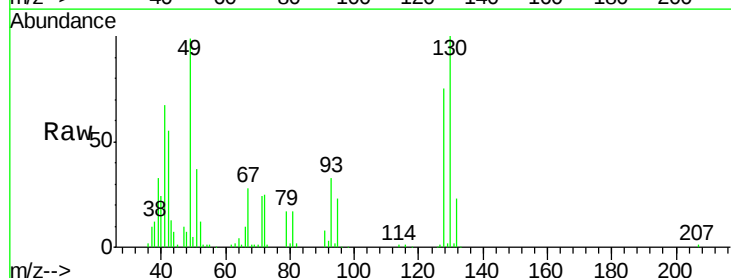
Tgt Ion: 49 Resp: 190945

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

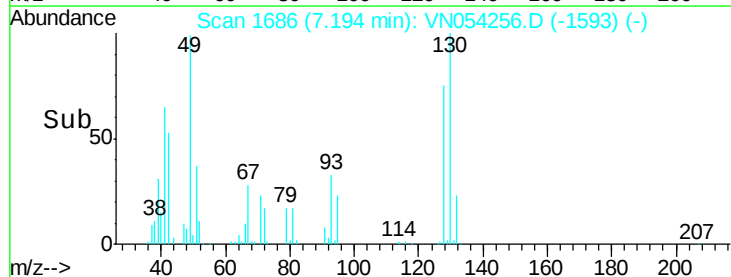
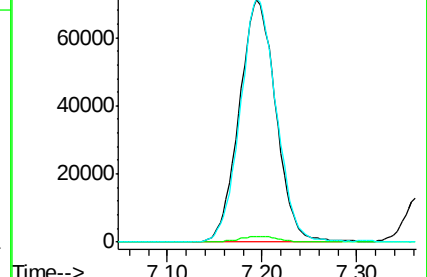
130 98.9 76.7 115.1

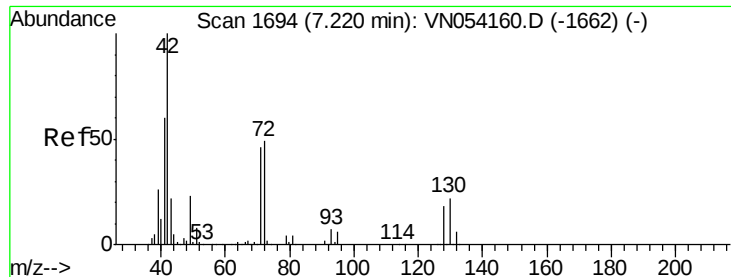


Abundance Ion 48.90 (48.60 to 49.60): VN054160.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054160.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054160.D (-1663) (-)

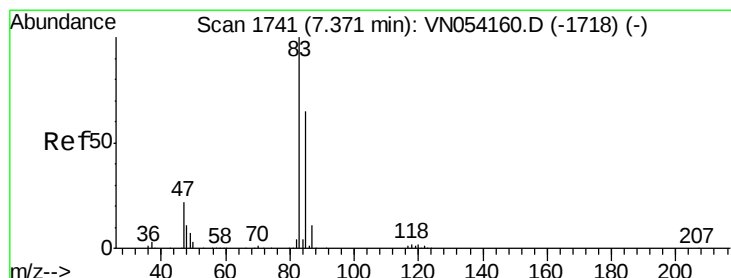
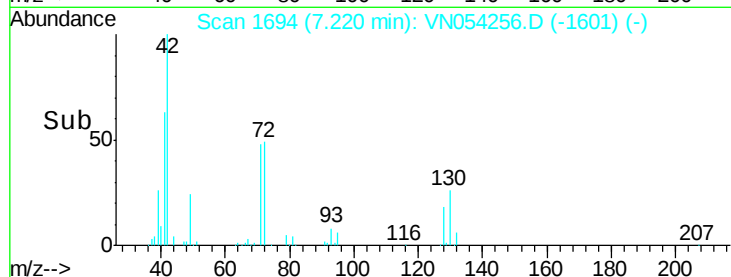
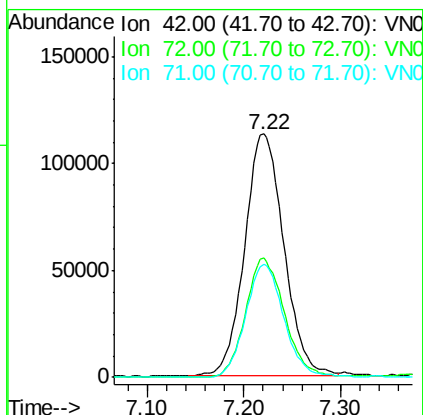
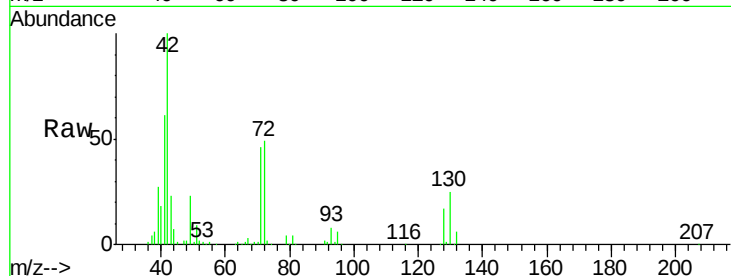




#29
Tetrahydrofuran
Concen: 99.402 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

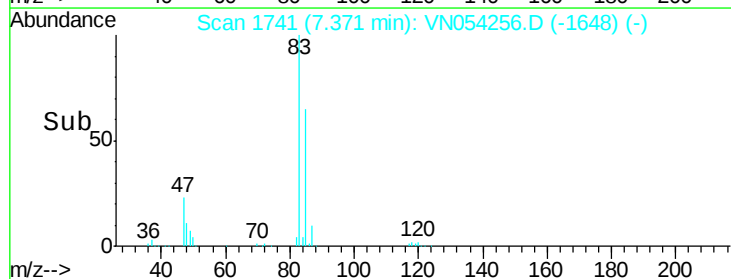
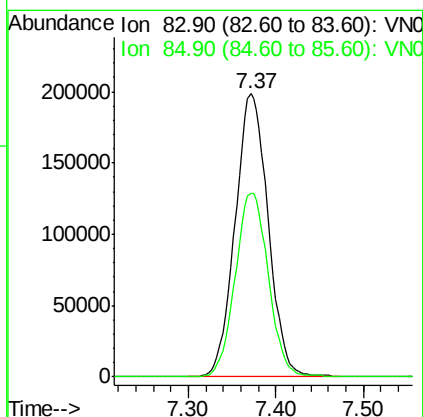
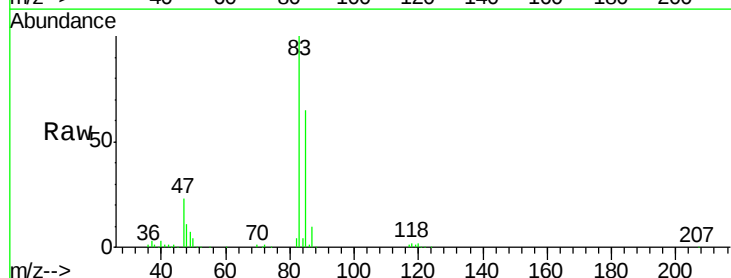
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion: 42 Resp: 318162
Ion Ratio Lower Upper
42 100
72 48.8 37.8 56.6
71 45.9 36.2 54.2



#30
Chloroform
Concen: 20.908 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 83 Resp: 519815
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4

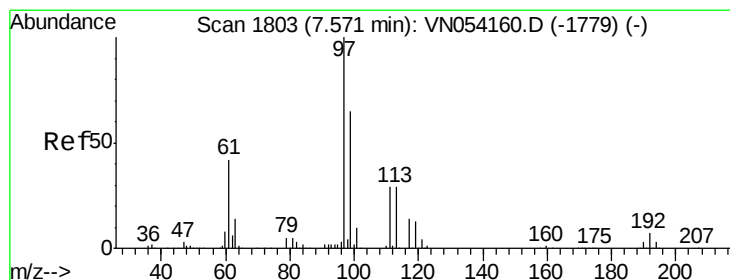
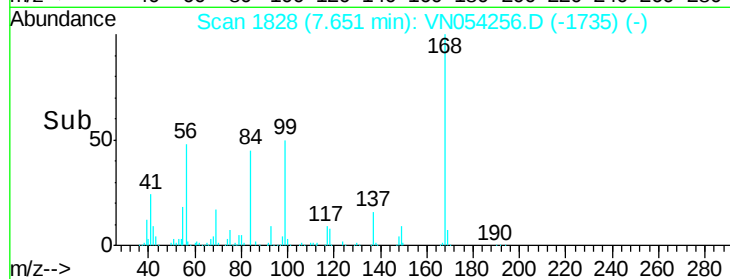
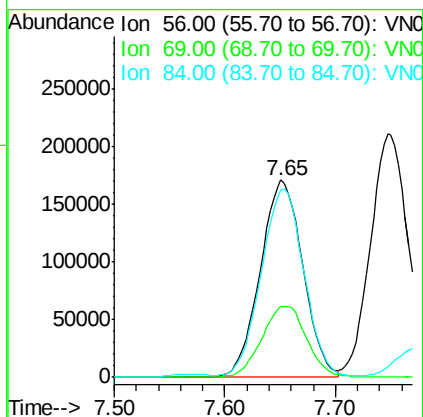
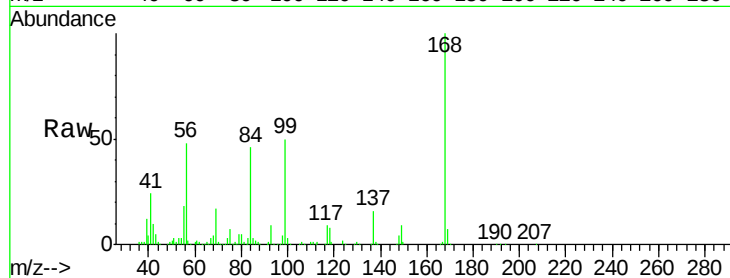




#31
Cyclohexane
Concen: 19.792 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

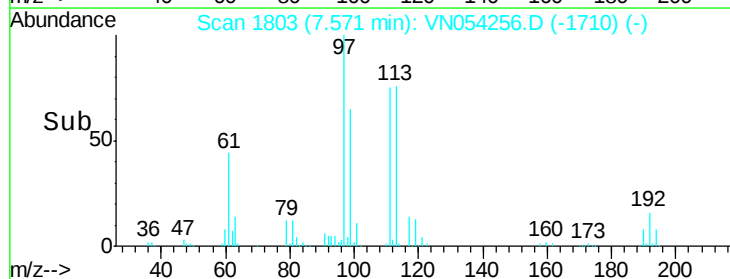
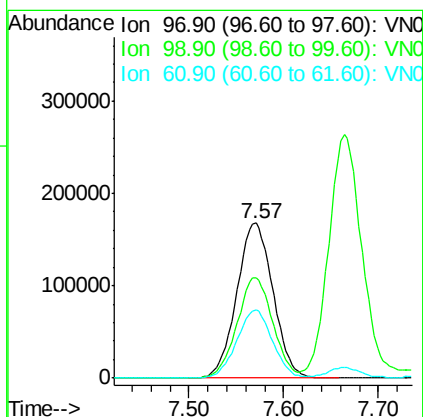
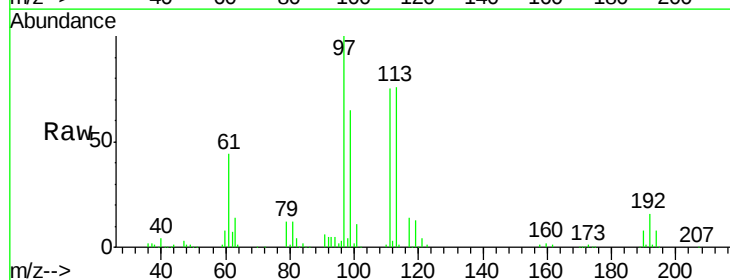
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

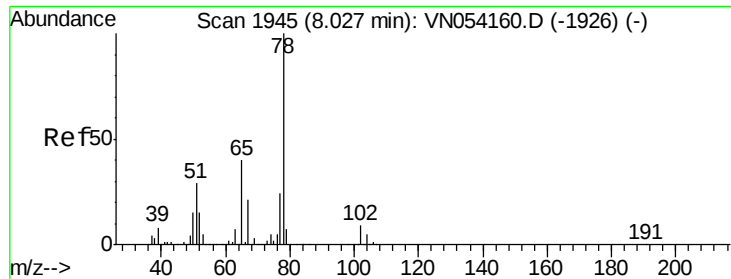
Tot Ion: 56 Resp: 457405
Ion Ratio Lower Upper
56 100
69 35.8 27.8 41.6
84 93.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 19.919 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 97 Resp: 447259
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 43.4 33.6 50.4

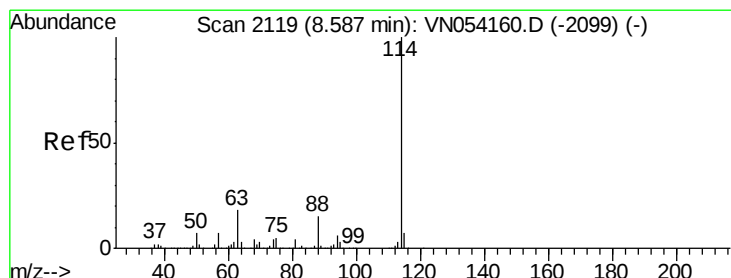
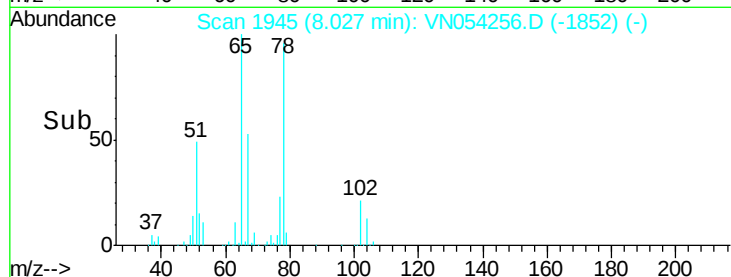
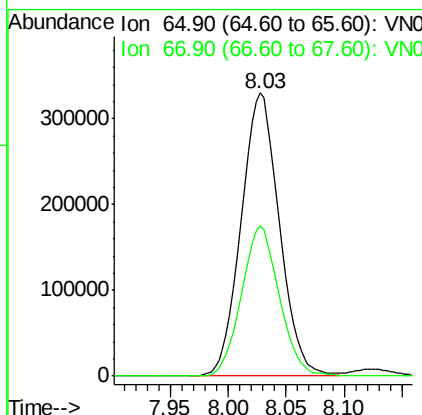
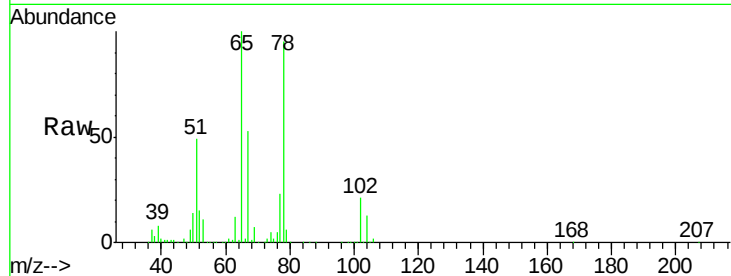




#33
 1,2-Dichloroethane-d4
 Concen: 51.155 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

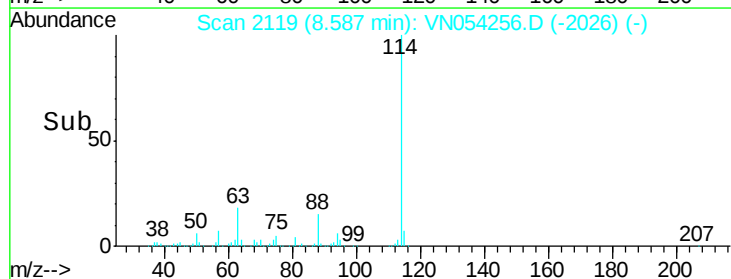
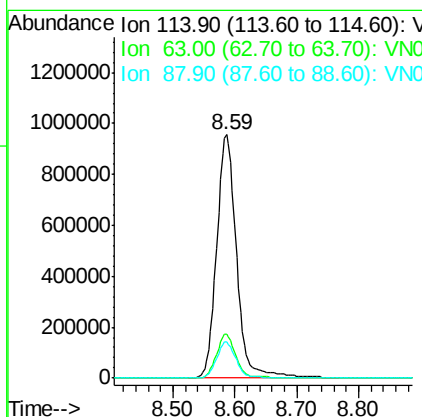
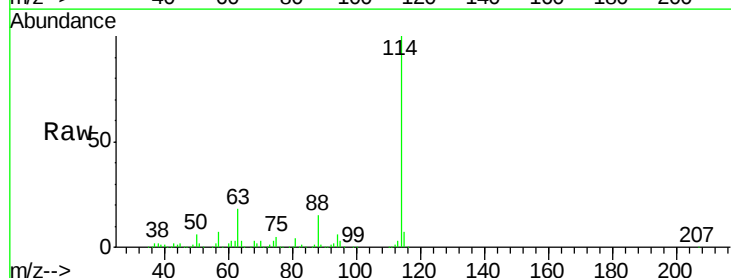
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

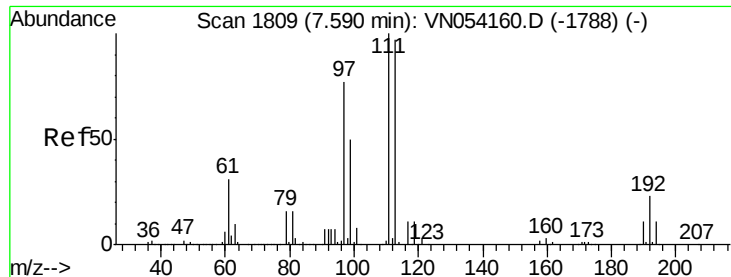
Tot Ion: 65 Resp: 757790
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 114 Resp: 2144411
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.7 0.0 30.2

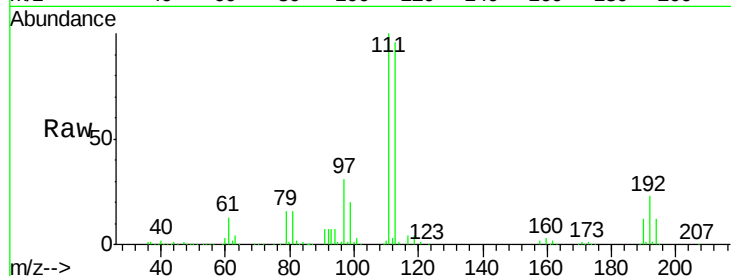




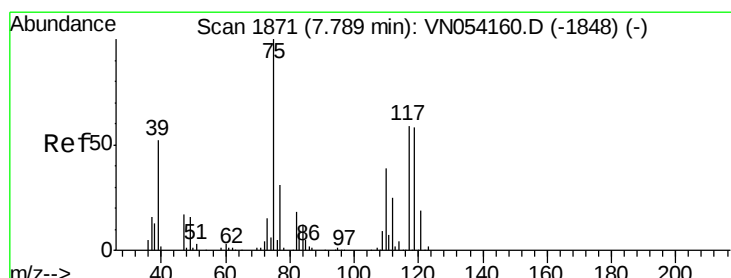
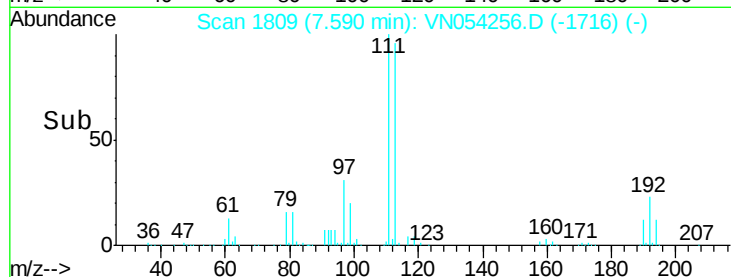
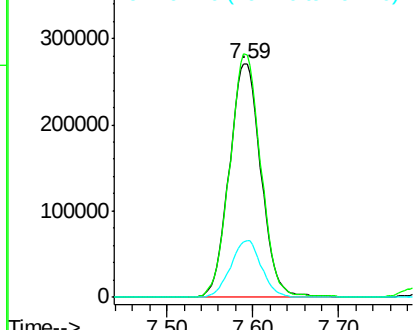
#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion:113 Resp: 694427
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 23.6 19.2 28.8

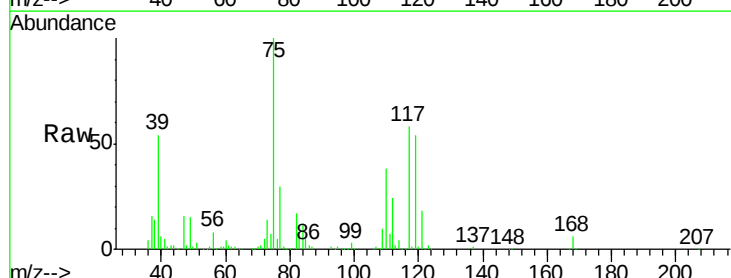


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

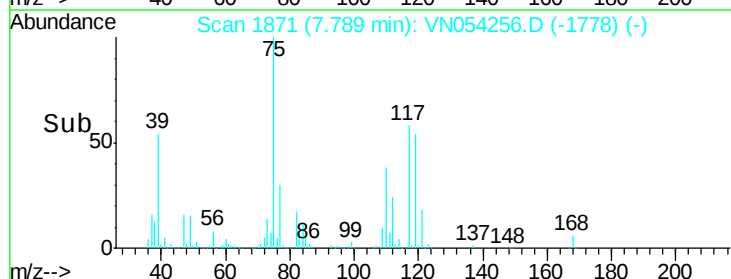
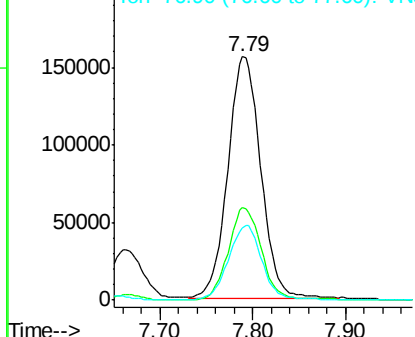


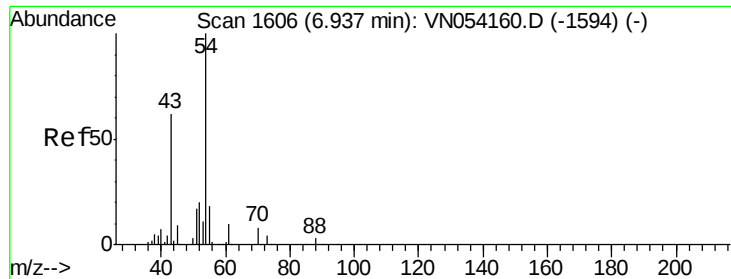
#36
1,1-Dichloropropene
Concen: 19.474 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 75 Resp: 384582
Ion Ratio Lower Upper
75 100
110 38.0 19.1 57.5
77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

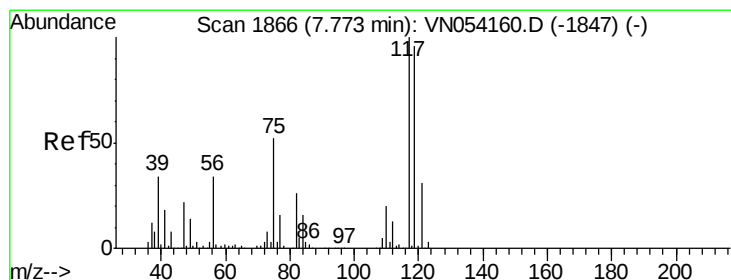
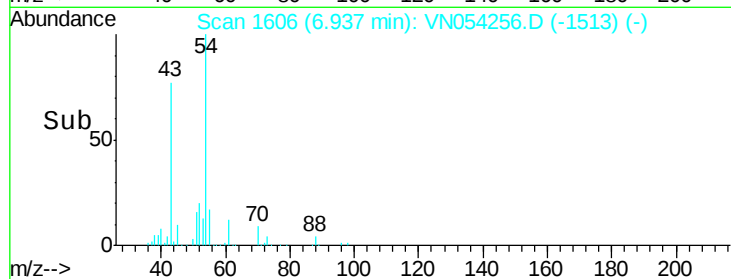
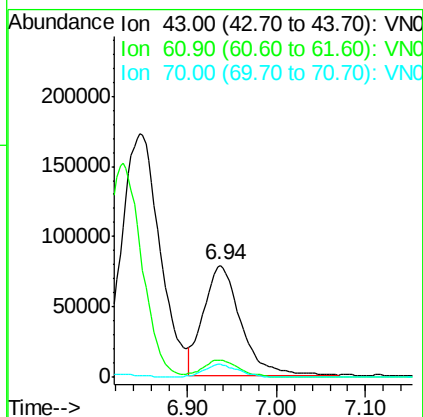
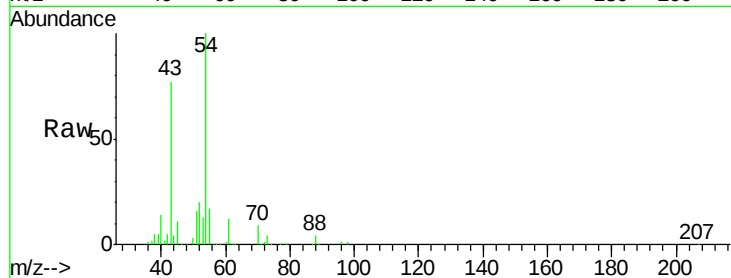




#37
Ethyl Acetate
Concen: 20.136 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

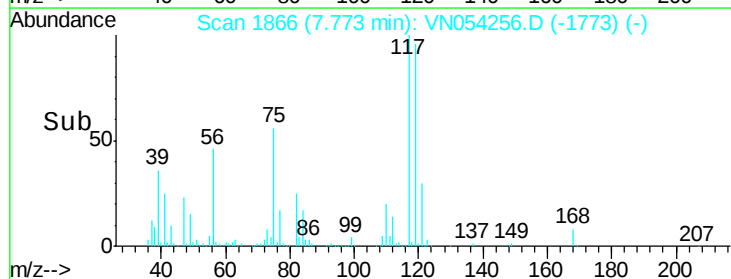
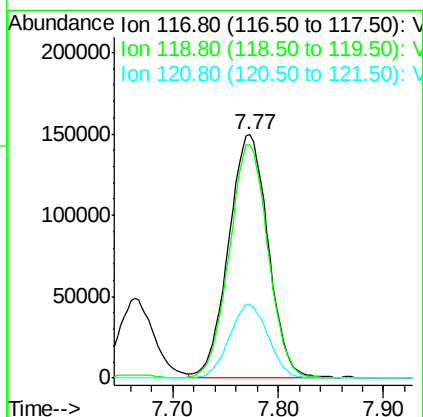
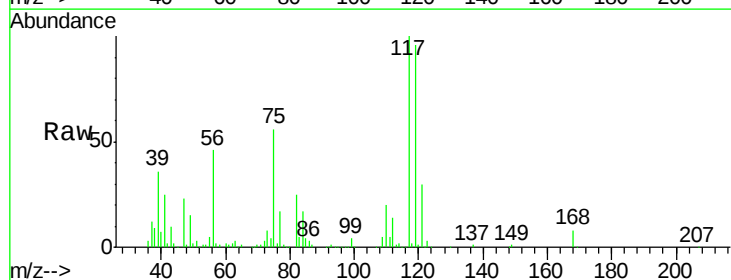
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

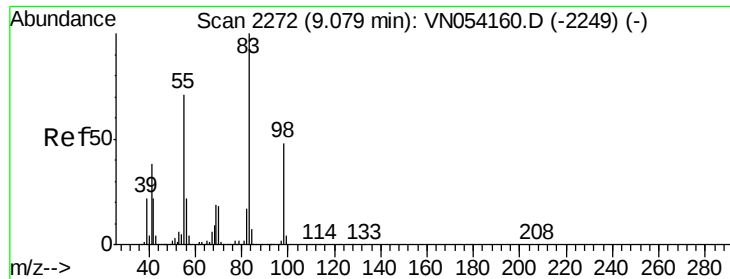
Tot Ion: 43 Resp: 228483
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.690 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 117 Resp: 387067
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5
121 30.3 24.6 36.8

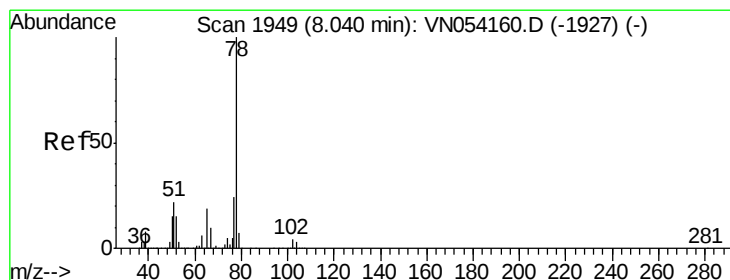
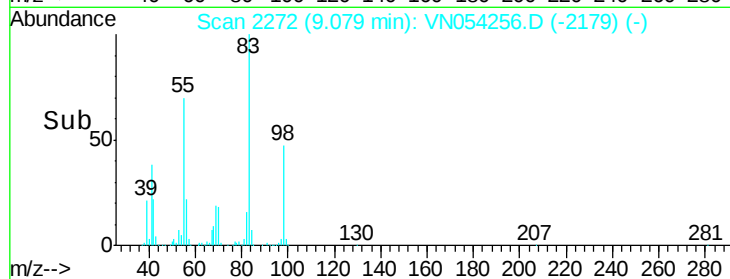
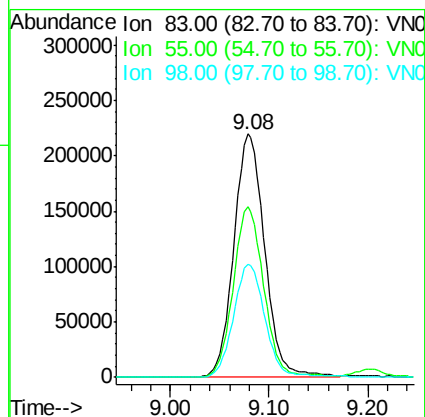
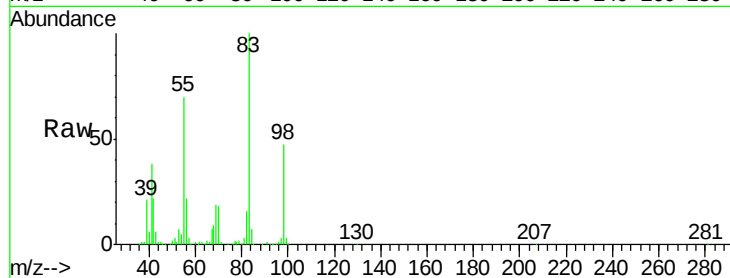




#39
Methvlcvclohexane
Concen: 19.747 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

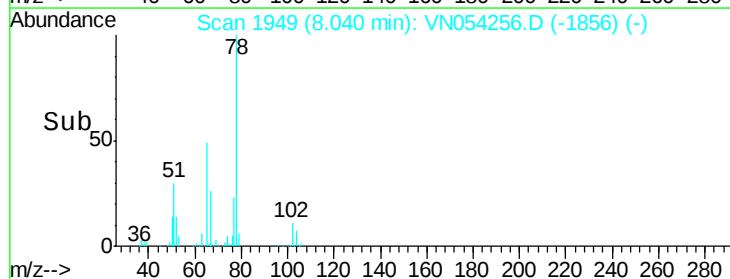
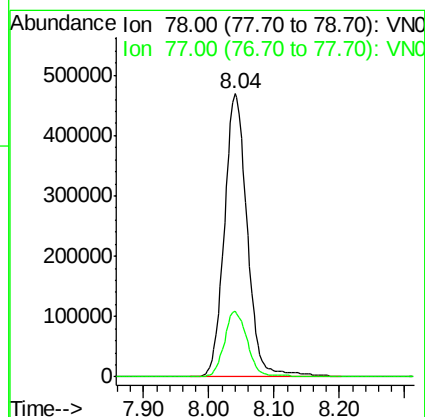
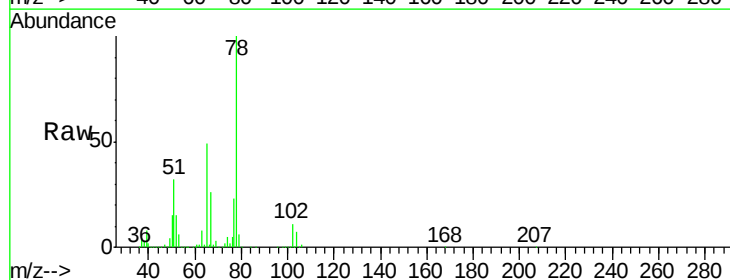
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

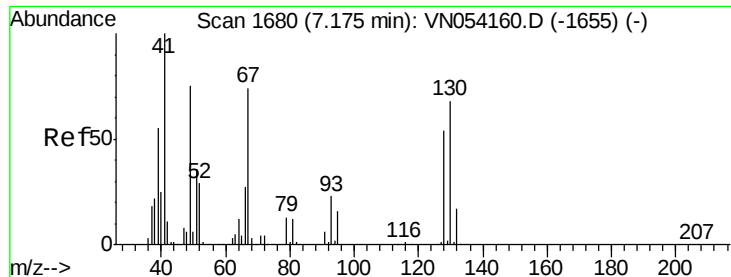
Tot Ion: 83 Resp: 479797
Ion Ratio Lower Upper
83 100
55 70.0 56.6 84.8
98 46.7 38.4 57.6



#40
Benzene
Concen: 20.253 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 78 Resp: 1144506
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

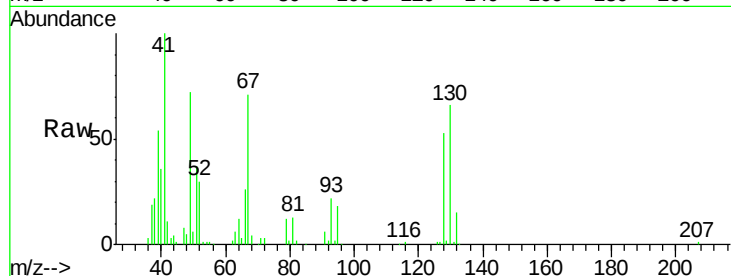




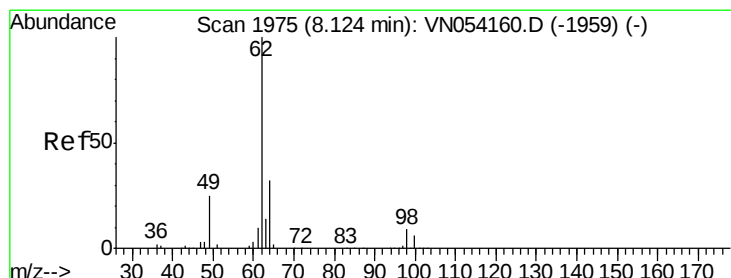
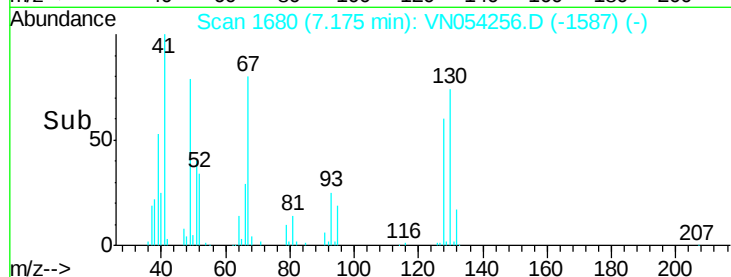
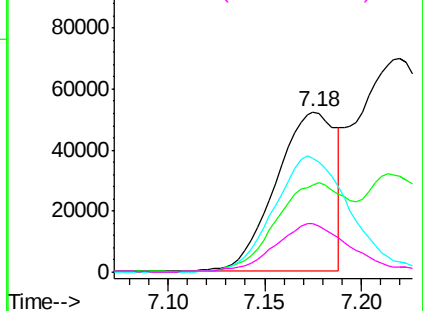
#41
Methacrylonitrile
Concen: 17.287 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion: 41 Resp: 112002
Ion Ratio Lower Upper
41 100
39 67.4 46.8 70.2
67 94.0 67.0 100.4
52 38.3 26.5 39.7

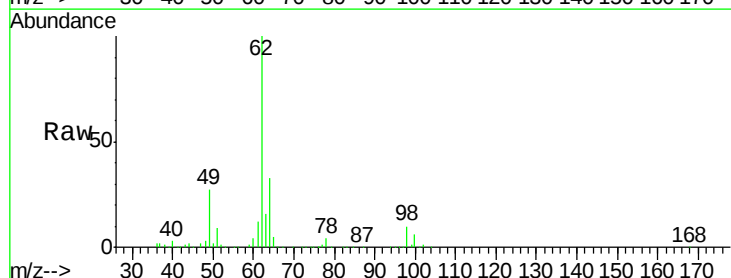


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

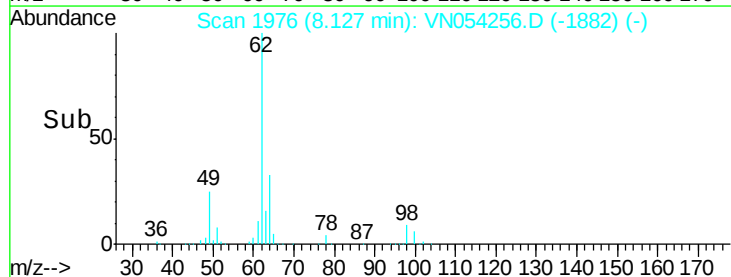
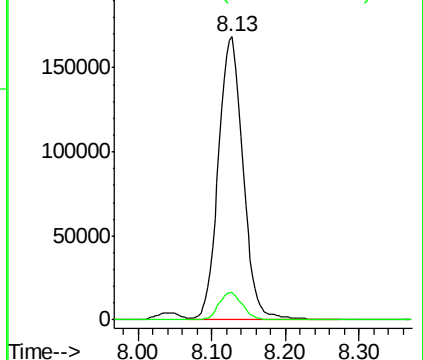


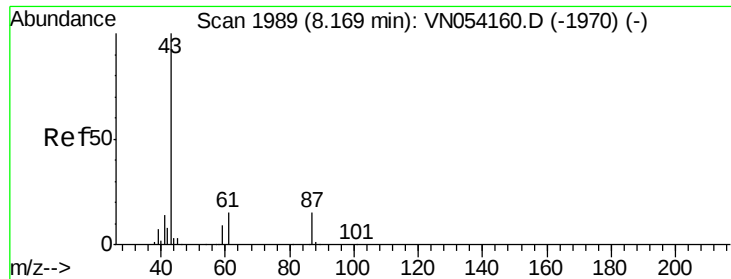
#42
1,2-Dichloroethane
Concen: 20.519 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 62 Resp: 391489
Ion Ratio Lower Upper
62 100
98 9.3 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: 18.533 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

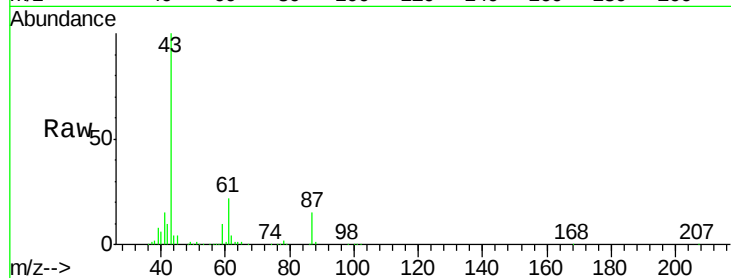
Tot Ion: 43 Resp: 369125

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.8

87 15.8 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) (-)

8.17

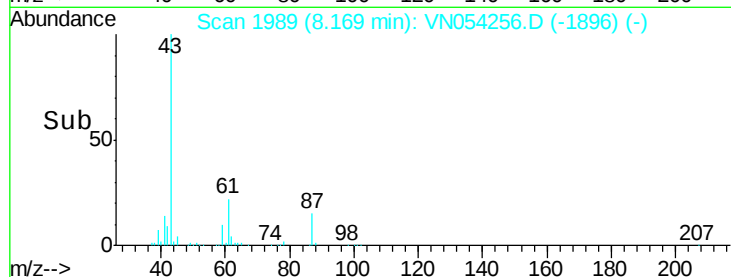
150000

100000

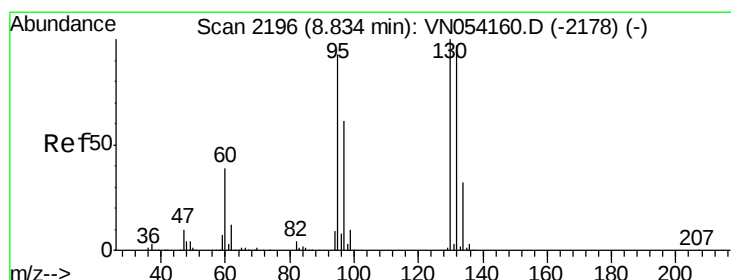
50000

0

8.05 8.10 8.15 8.20 8.25



Time-->



#44

Trichloroethene

Concen: 20.247 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054256.D

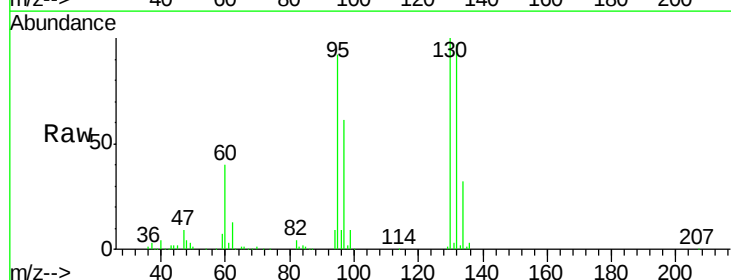
Acq: 14 Mar 2019 12:42

Tgt Ion: 130 Resp: 355439

Ion Ratio Lower Upper

130 100

95 92.4 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) (-)

8.84

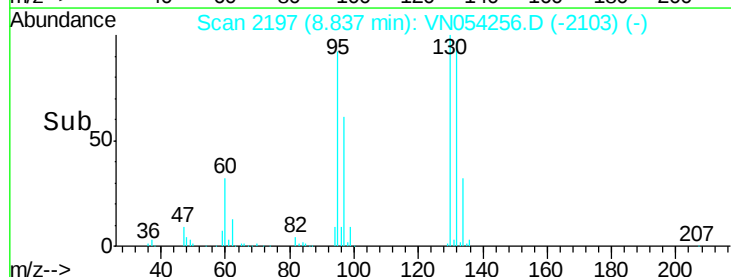
150000

100000

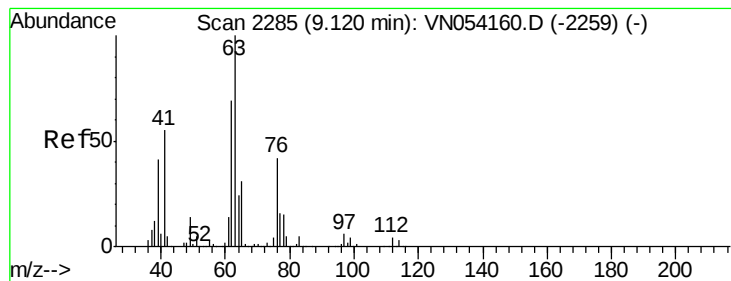
50000

0

8.70 8.80 8.90 9.00



Time-->



#45

1,2-Dichloropropane

Concen: 20.545 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

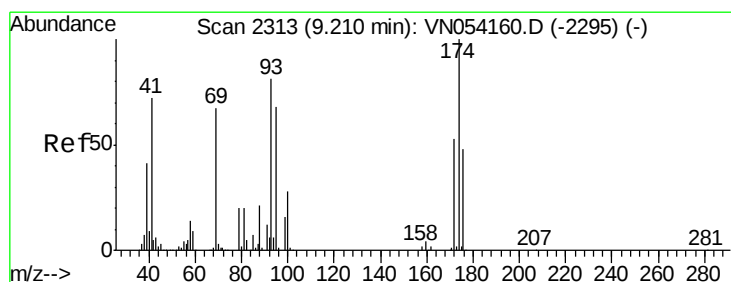
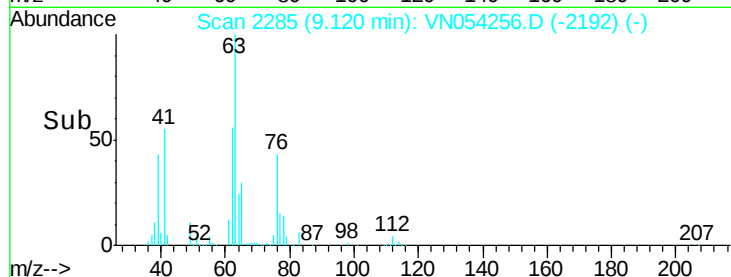
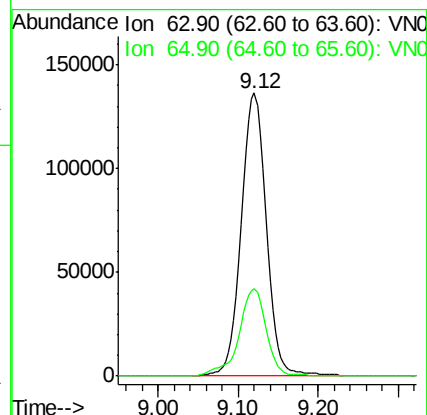
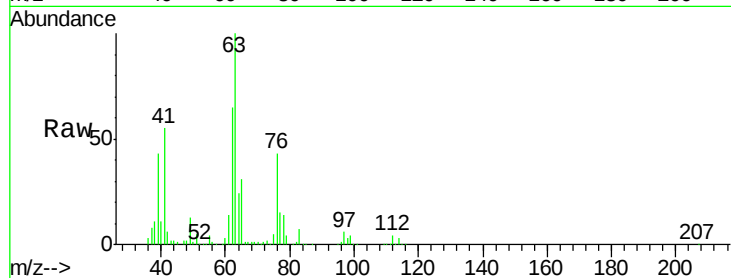
VN0314WBS01

Tot Ion: 63 Resp: 288295

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6



#46

Dibromomethane

Concen: 20.030 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

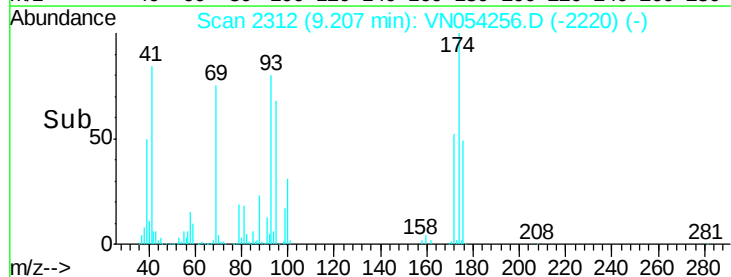
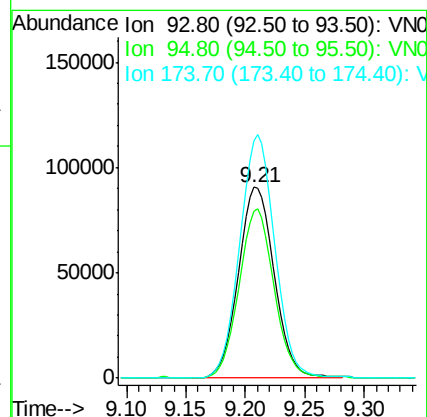
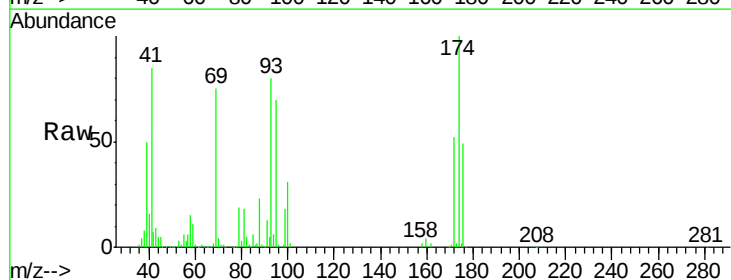
Tgt Ion: 93 Resp: 189903

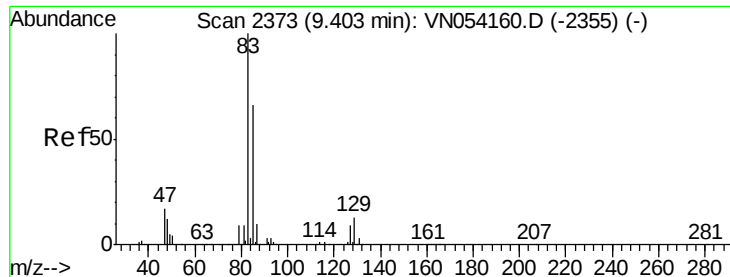
Ion Ratio Lower Upper

93 100

95 86.8 66.7 100.1

174 125.0 98.5 147.7





#47

Bromodichloromethane

Concen: 19.753 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

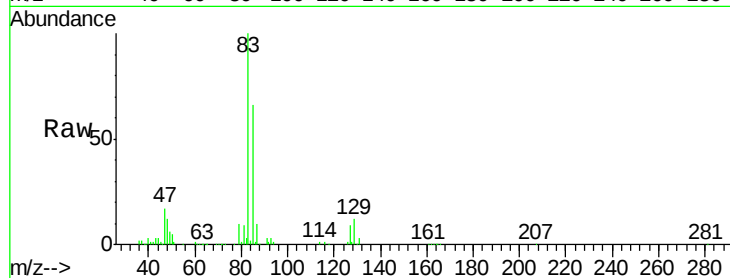
Tot Ion: 83 Resp: 375447

Ion Ratio Lower Upper

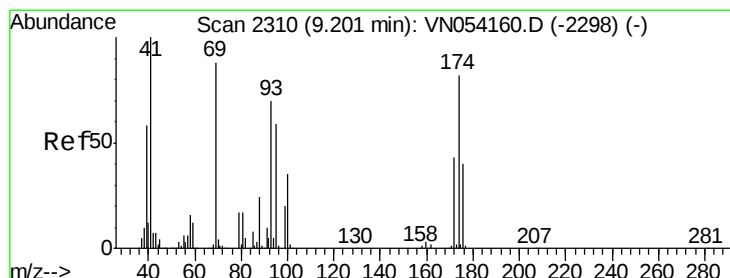
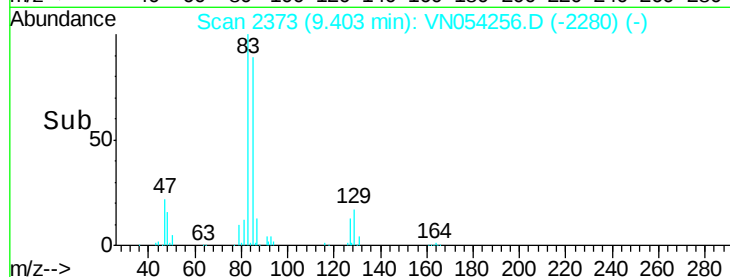
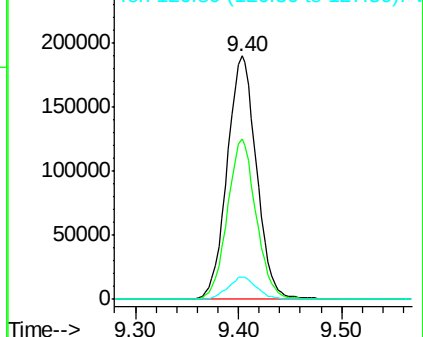
83 100

85 65.8 52.8 79.2

127 9.3 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: 19.871 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

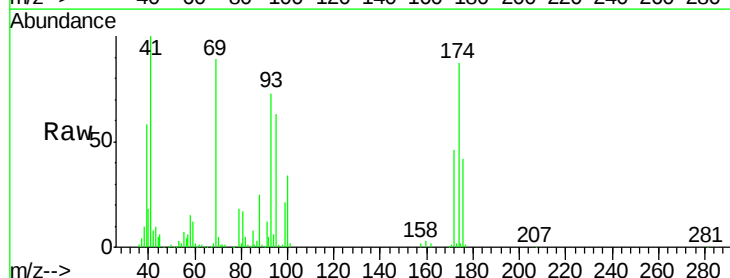
Tgt Ion: 41 Resp: 200854

Ion Ratio Lower Upper

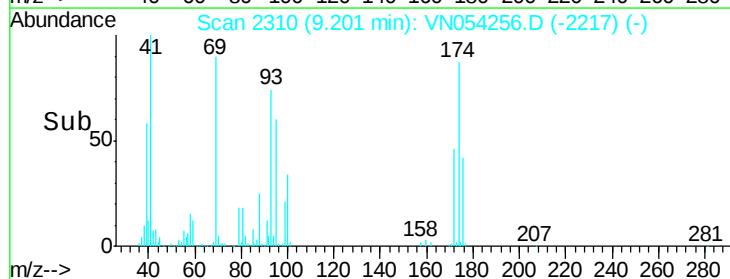
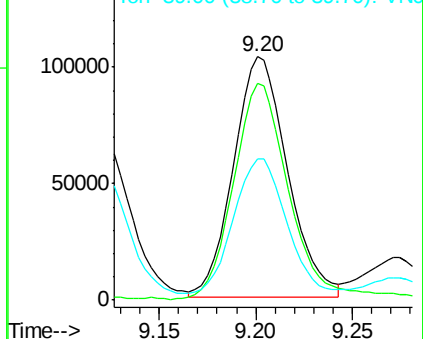
41 100

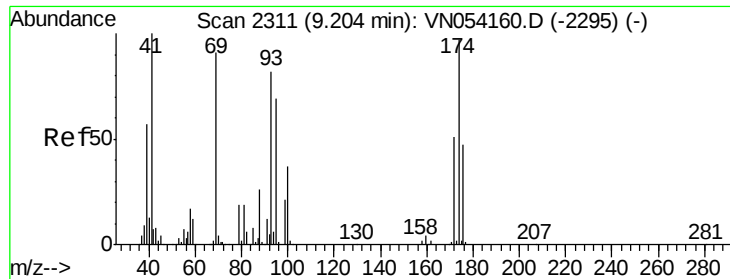
69 94.0 72.6 108.8

39 59.2 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

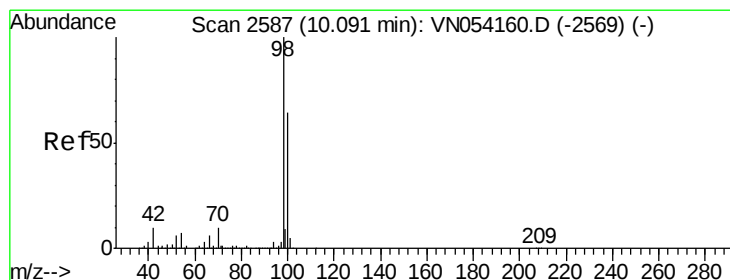
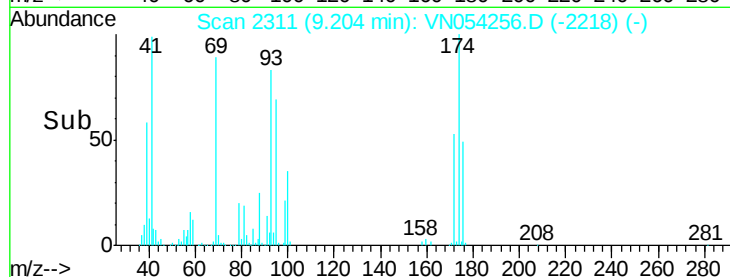
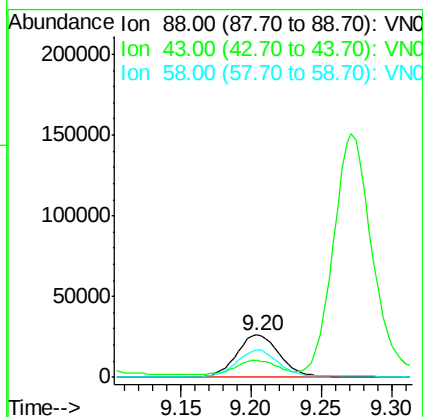
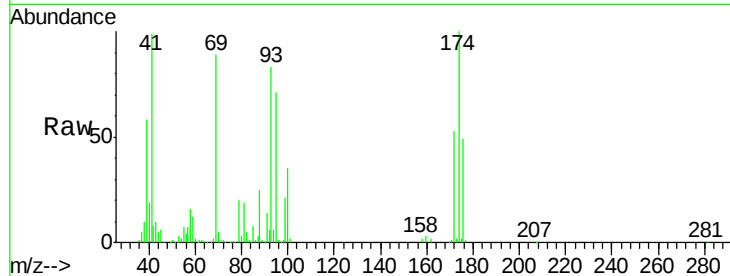




#49
1,4-Dioxane
Concen: 393.679 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

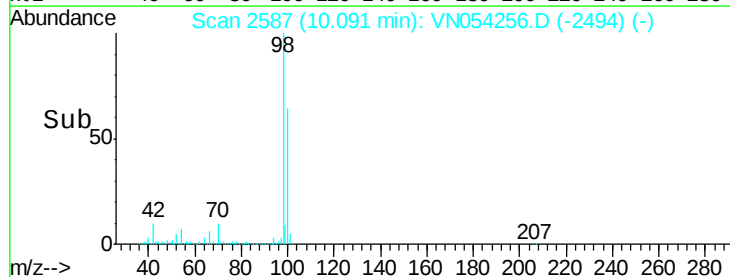
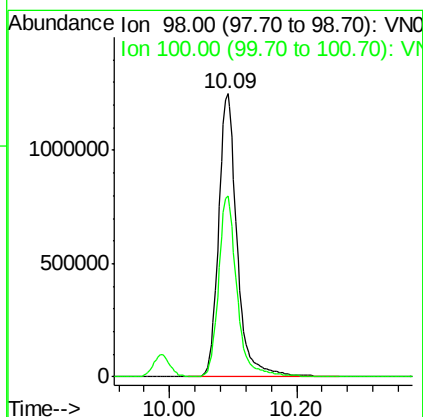
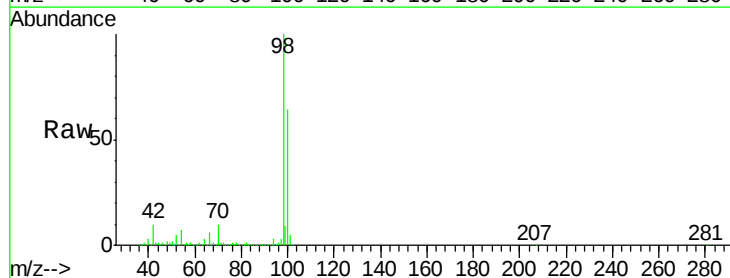
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tot Ion: 88 Resp: 56285
Ion Ratio Lower Upper
88 100
43 33.2 24.1 36.1
58 64.5 50.8 76.2



#50
Toluene-d8
Concen: 49.390 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 98 Resp: 2522734
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 101.047 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

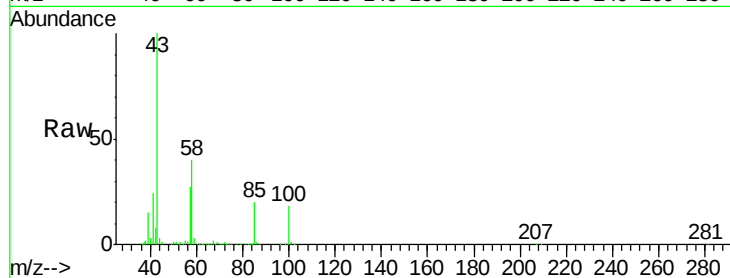
VN0314WBS01

Tot Ion: 43 Resp: 1065073

Ion Ratio Lower Upper

43 100

58 39.8 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

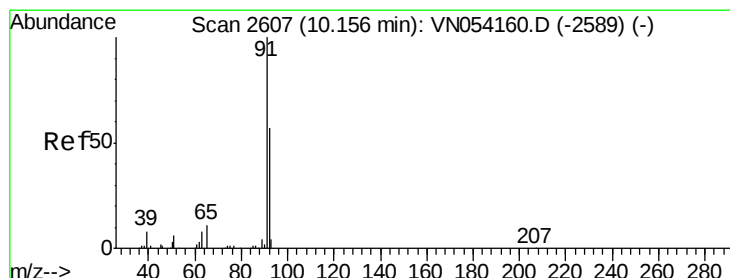
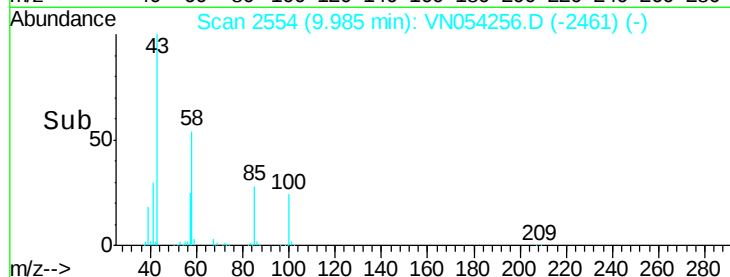
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.300 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054256.D

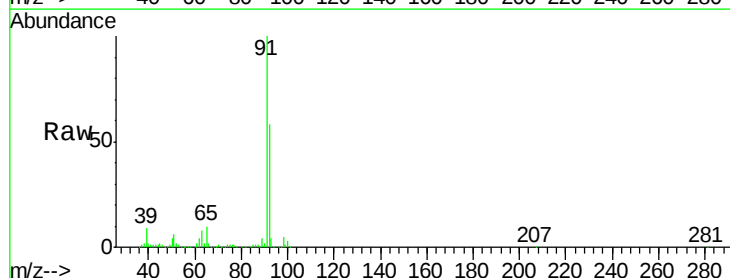
Acq: 14 Mar 2019 12:42

Tgt Ion: 92 Resp: 727402

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

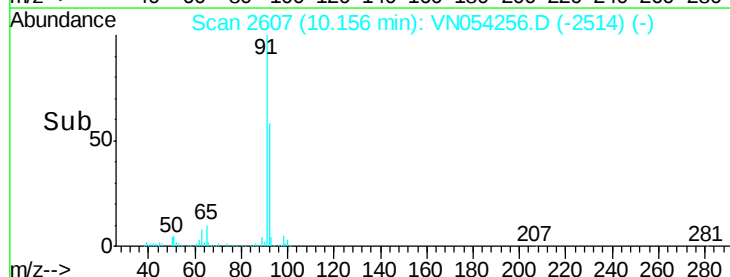
600000

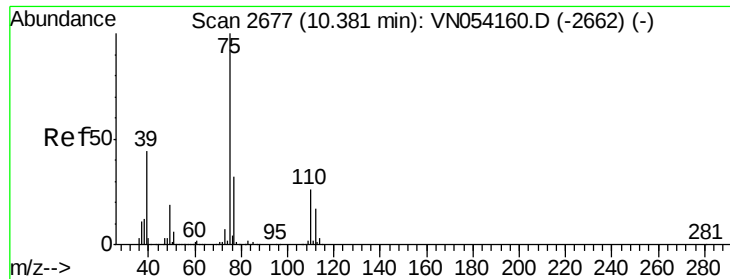
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.324 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

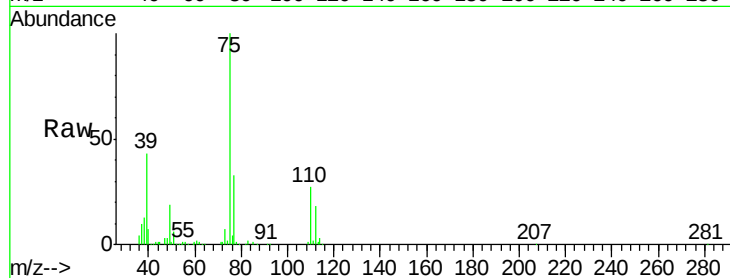
VN0314WBS01

Tot Ion: 75 Resp: 347225

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

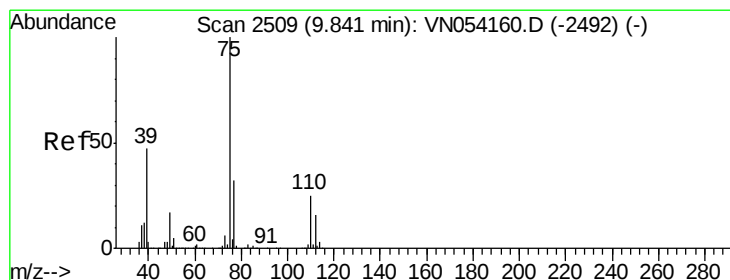
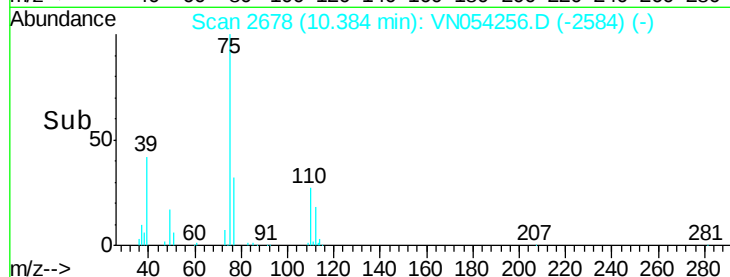
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.913 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

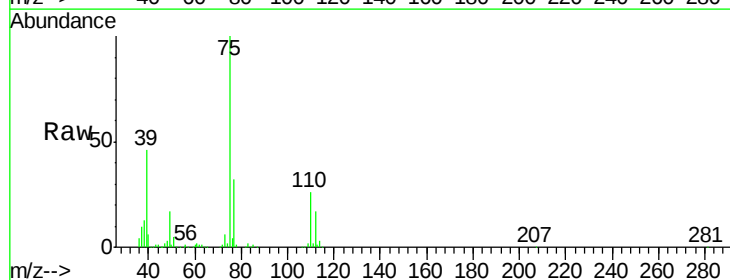
Tgt Ion: 75 Resp: 418898

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 45.9 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

9.84

300000

250000

200000

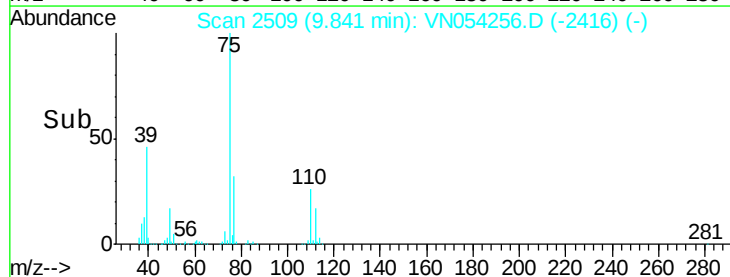
150000

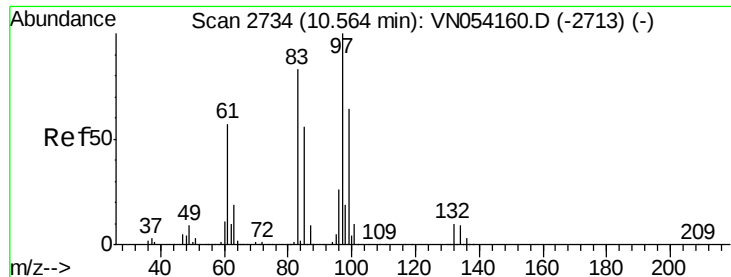
100000

50000

0

Time-->

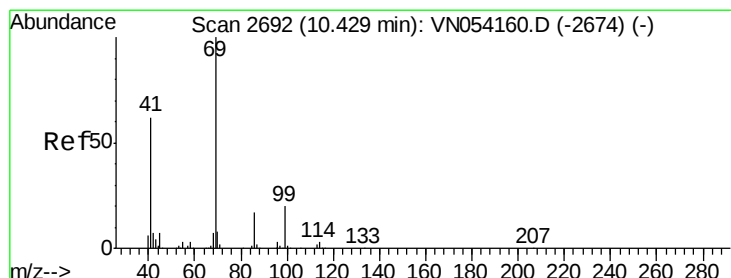
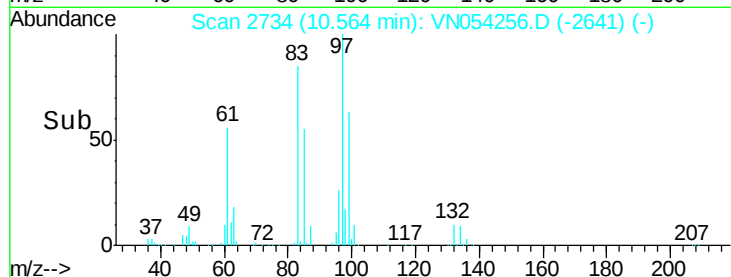
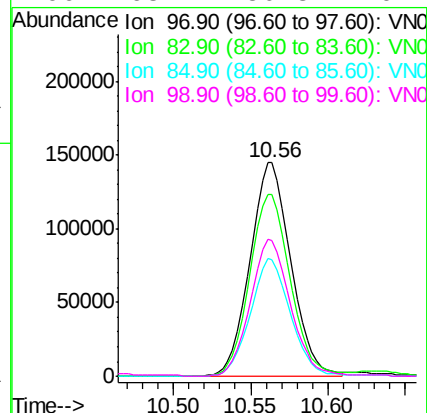
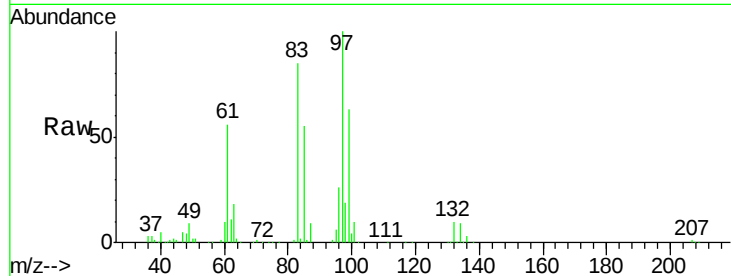




#55
 1,1,2-Trichloroethane
 Concen: 20.350 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

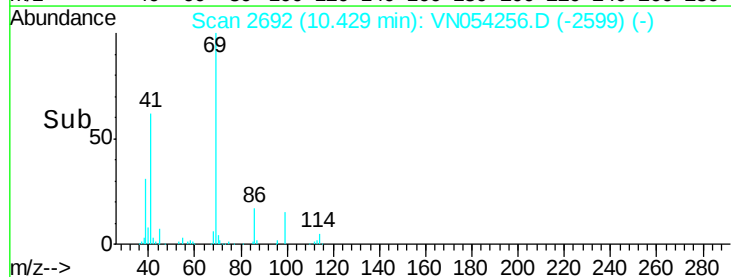
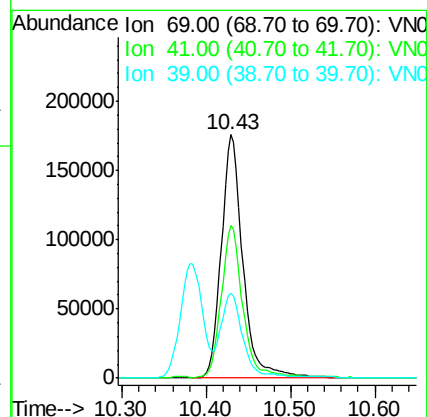
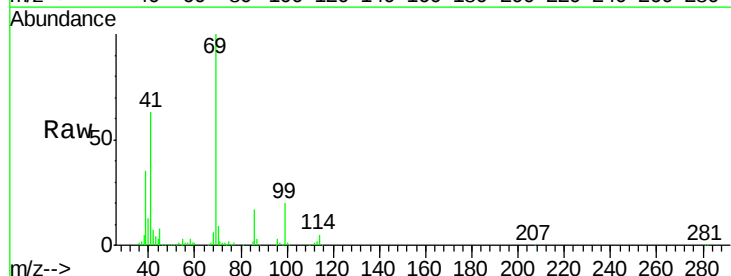
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

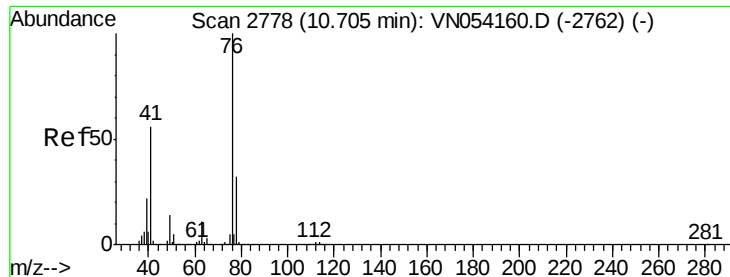
Tot Ion	97	Resp	266247
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	100.0
85	54.8	44.4	66.6
99	63.1	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.118 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion	69	Resp	313855
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.2
39	35.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.254 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

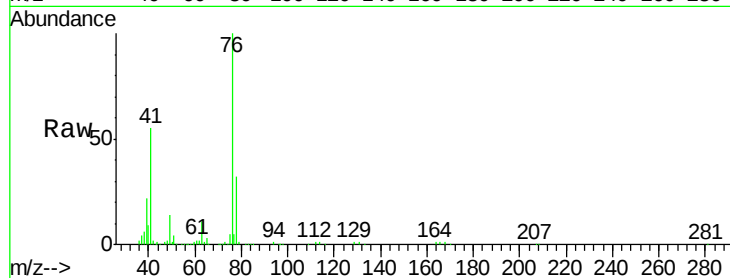
VN0314WBS01

Tot Ion: 76 Resp: 433311

Ion Ratio Lower Upper

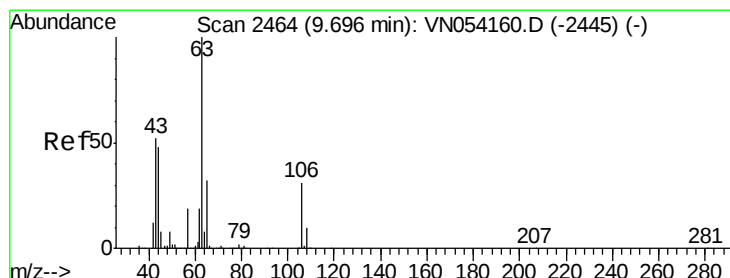
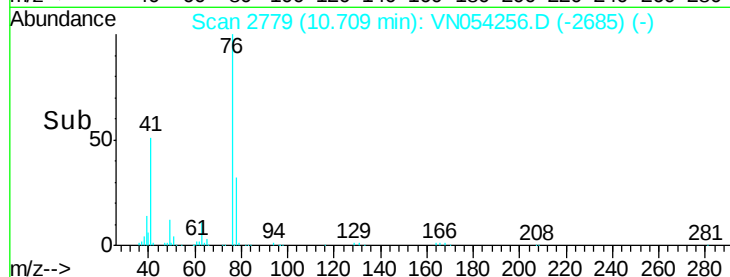
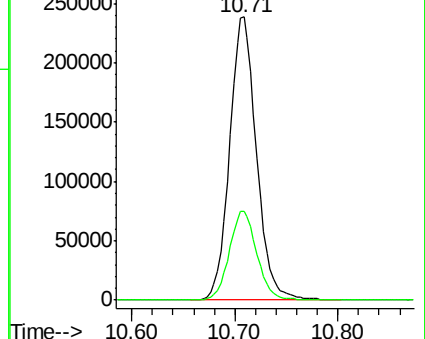
76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.986 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054256.D

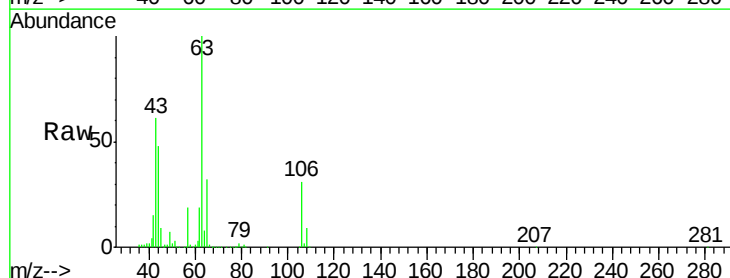
Acq: 14 Mar 2019 12:42

Tgt Ion: 63 Resp: 588933

Ion Ratio Lower Upper

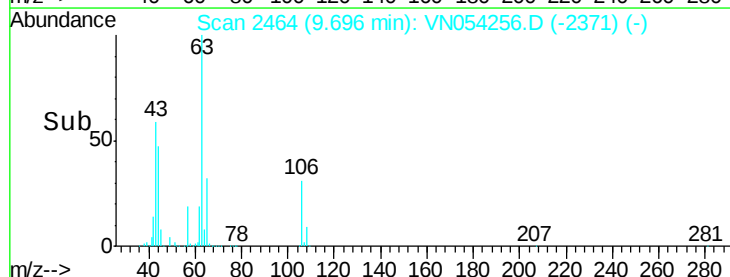
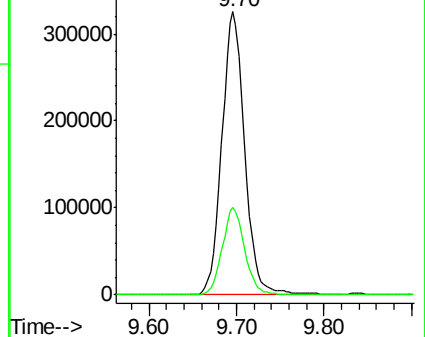
63 100

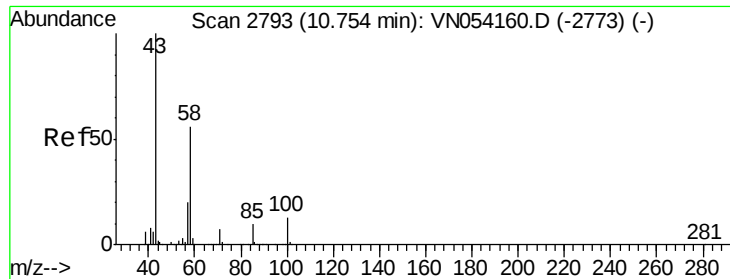
106 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

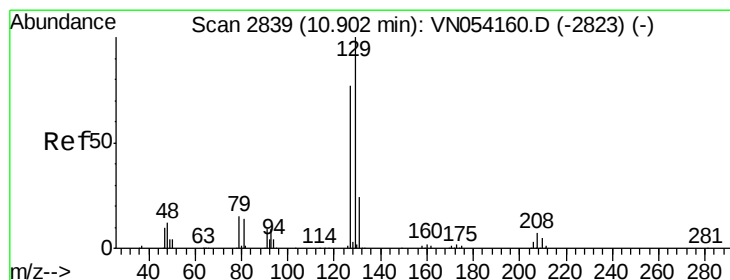
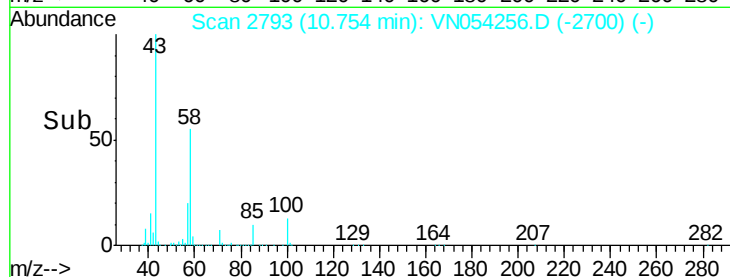
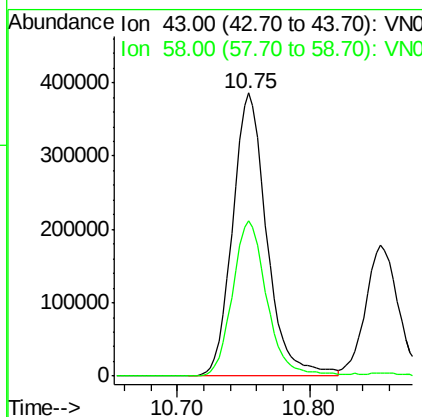
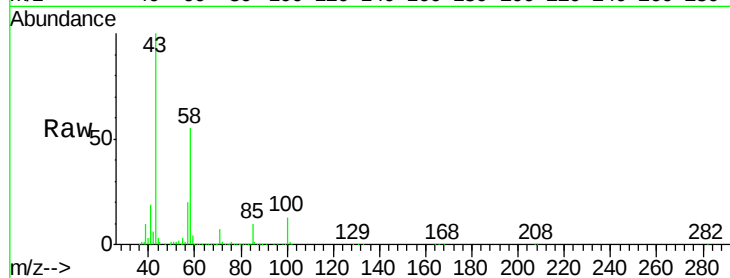




#59
2-Hexanone
Concen: 97.778 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

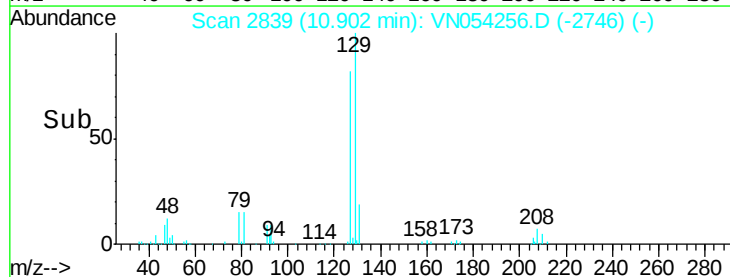
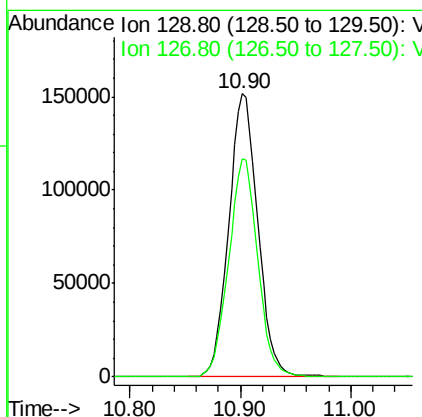
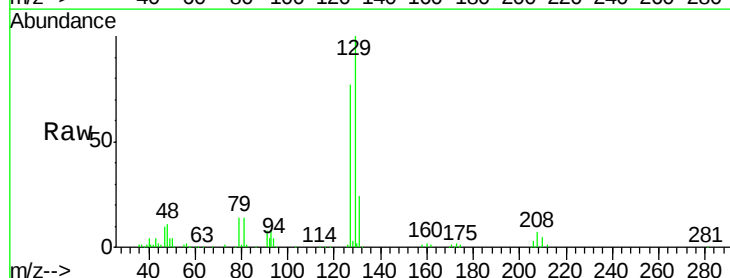
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

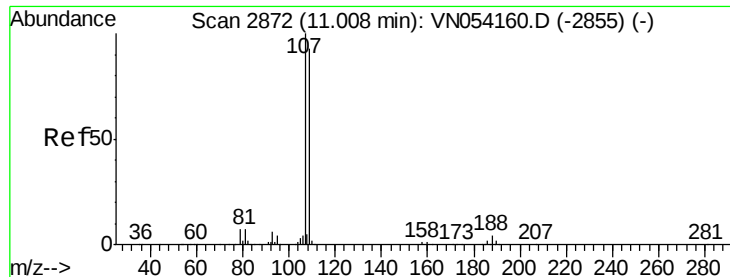
Tot Ion: 43 Resp: 685770
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9



#60
Dibromochloromethane
Concen: 18.845 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 129 Resp: 277524
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.116 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

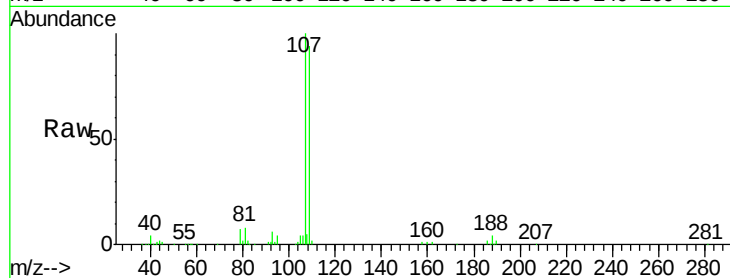
VN0314WBS01

Tot Ion:107 Resp: 267464

Ion Ratio Lower Upper

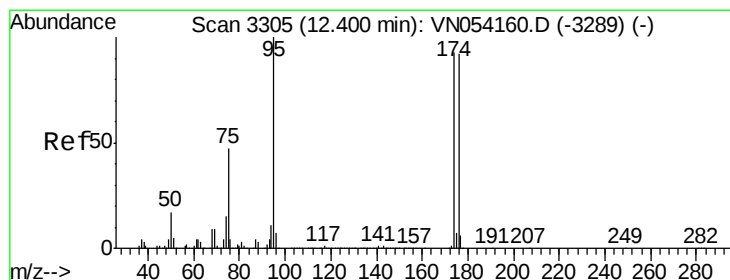
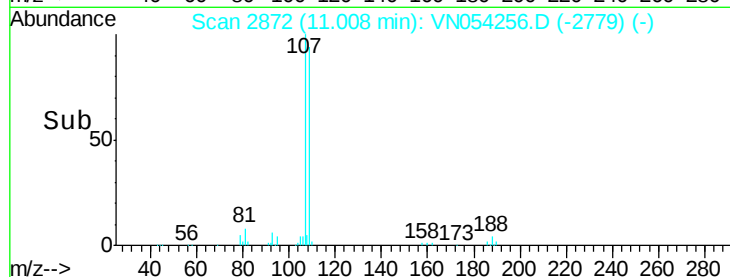
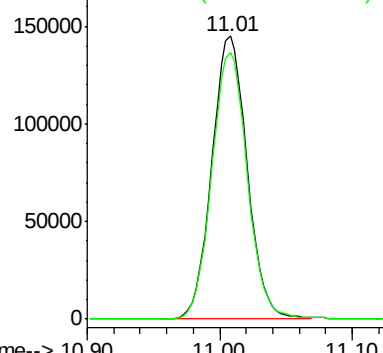
107 100

109 95.6 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: 49.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

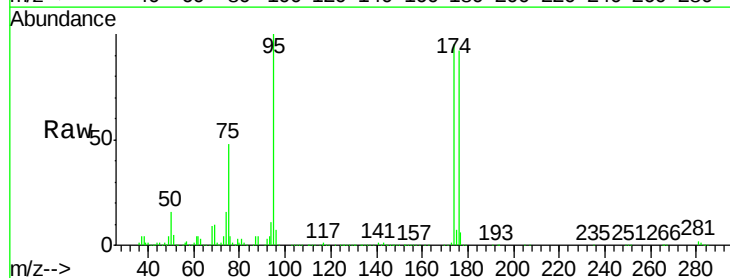
Tgt Ion: 95 Resp: 880698

Ion Ratio Lower Upper

95 100

174 97.7 0.0 191.0

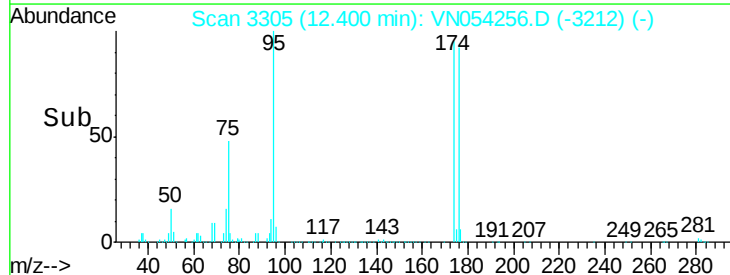
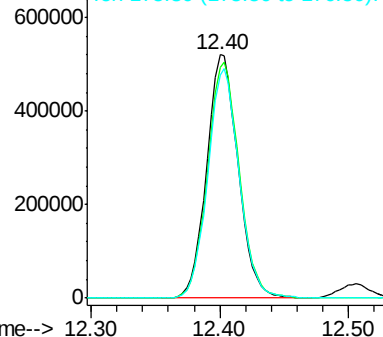
176 94.1 0.0 187.4



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

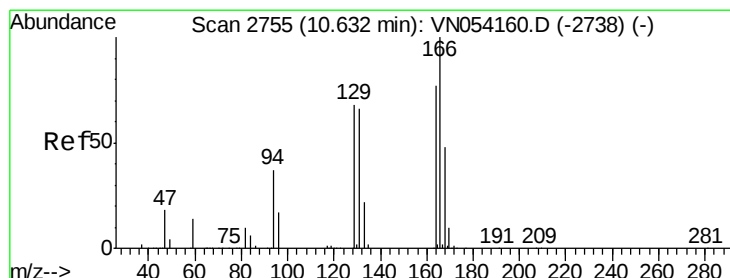
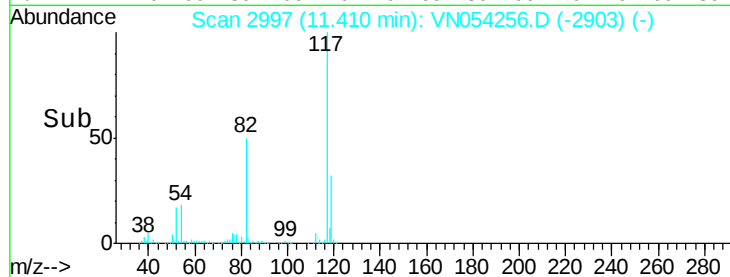
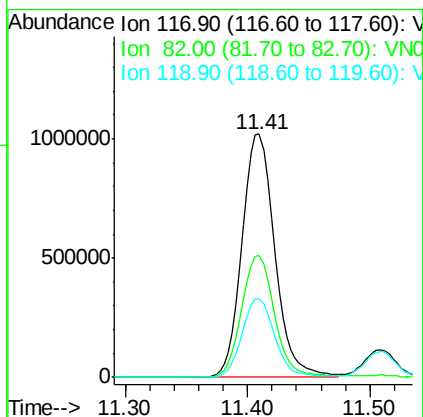
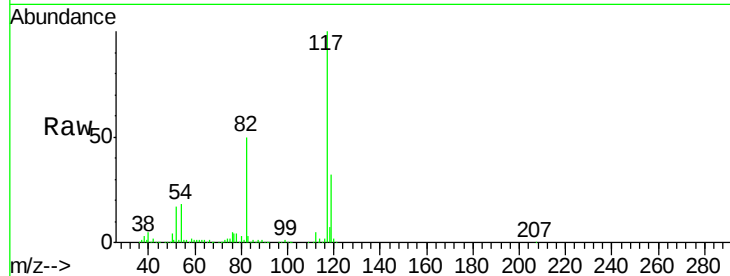




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

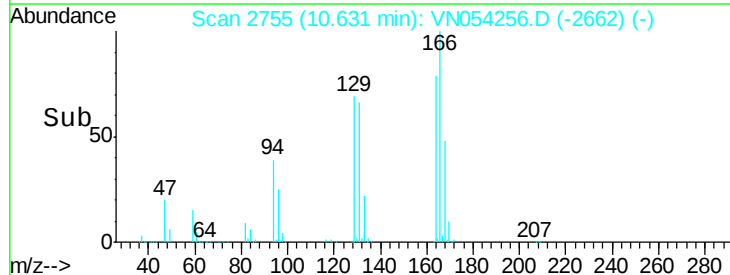
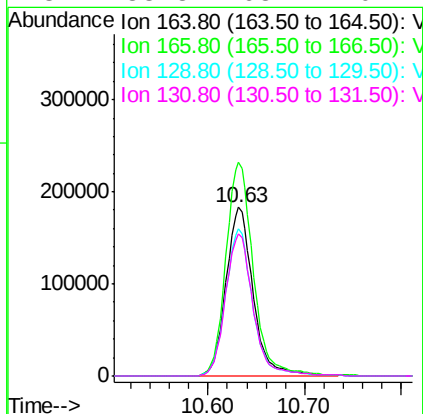
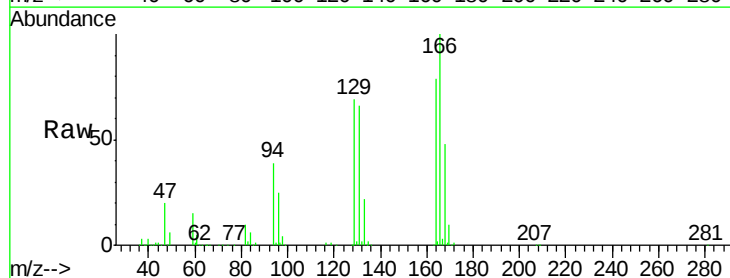
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion:117 Resp: 1896434
Ion Ratio Lower Upper
117 100
82 49.9 40.0 60.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 19.471 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:164 Resp: 357019
Ion Ratio Lower Upper
164 100
166 126.6 103.9 155.9
129 87.1 71.1 106.7
131 83.8 68.2 102.4

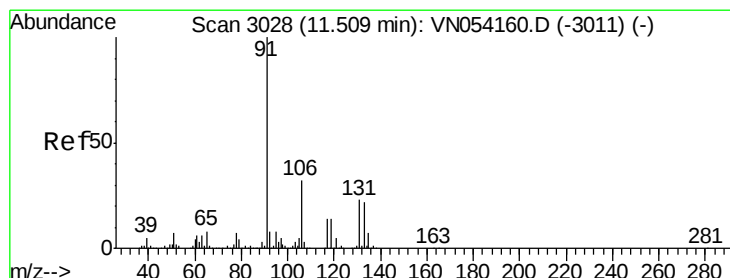
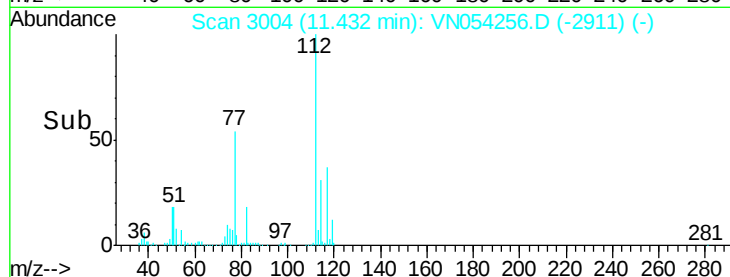
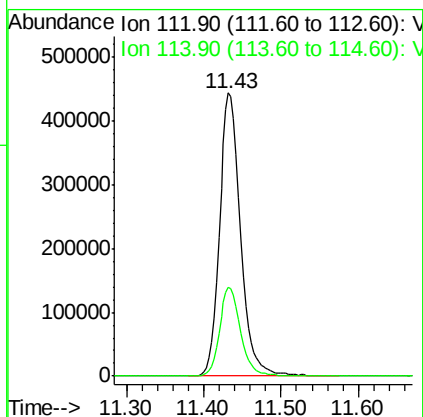
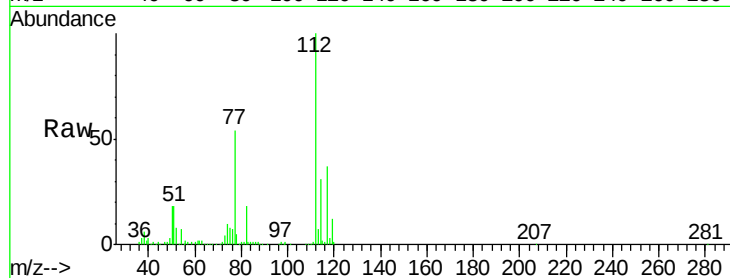




#65
Chlorobenzene
Concen: 20.218 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

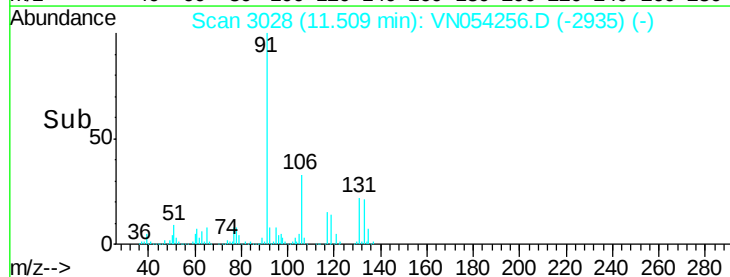
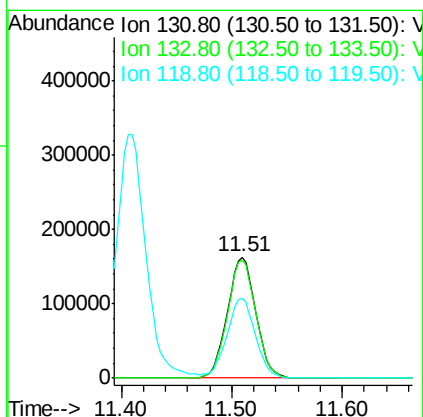
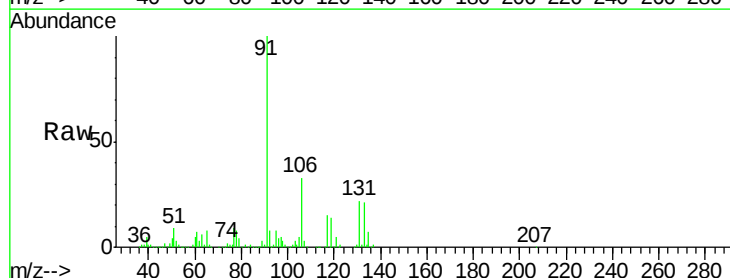
Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

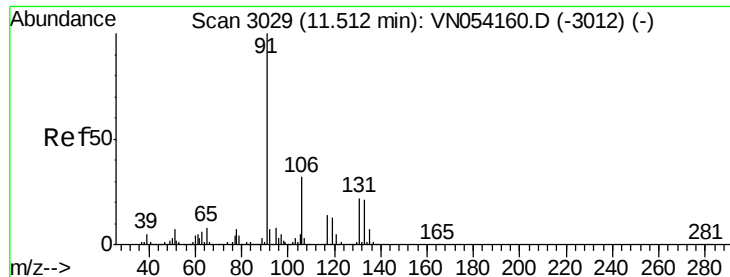
Tot Ion:112 Resp: 841887
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.154 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:131 Resp: 289743
Ion Ratio Lower Upper
131 100
133 97.6 47.6 142.9
119 66.9 32.4 97.0





#67

Ethyl Benzene

Concen: 19.694 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

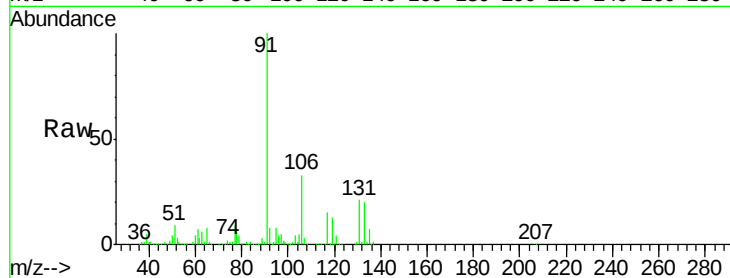
VN0314WBS01

Tot Ion: 91 Resp: 1359416

Ion Ratio Lower Upper

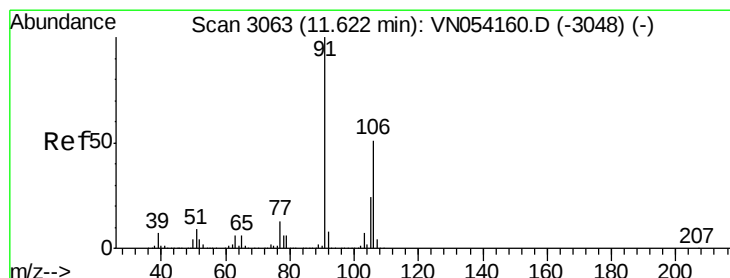
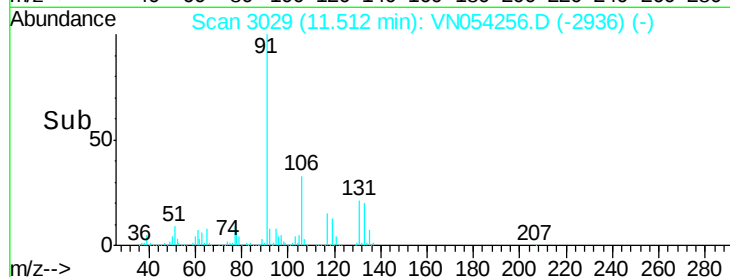
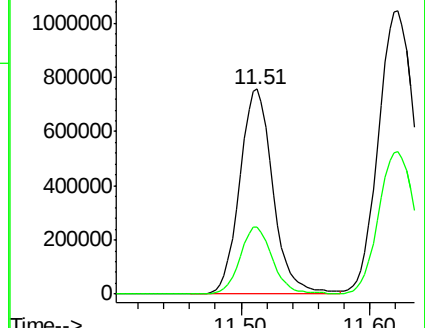
91 100

106 32.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 39.692 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054256.D

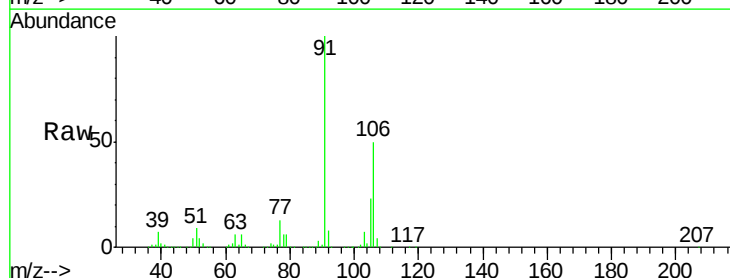
Acq: 14 Mar 2019 12:42

Tgt Ion: 106 Resp: 1070834

Ion Ratio Lower Upper

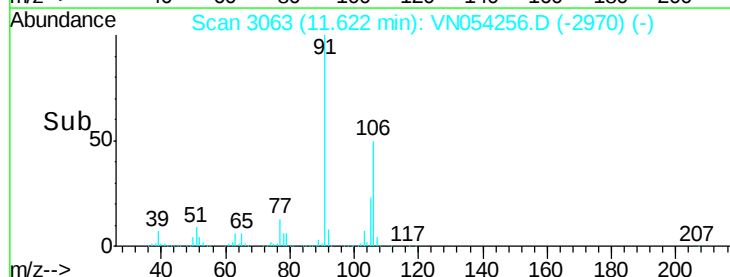
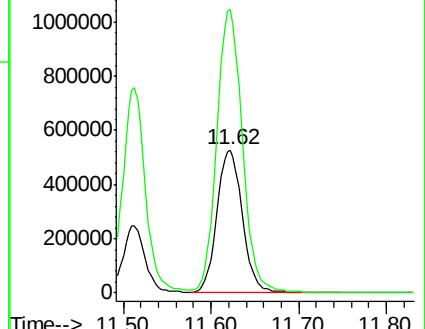
106 100

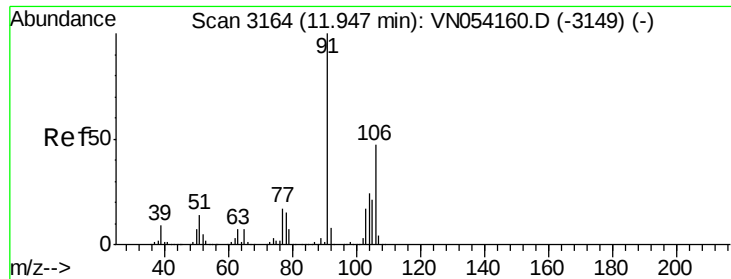
91 199.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)

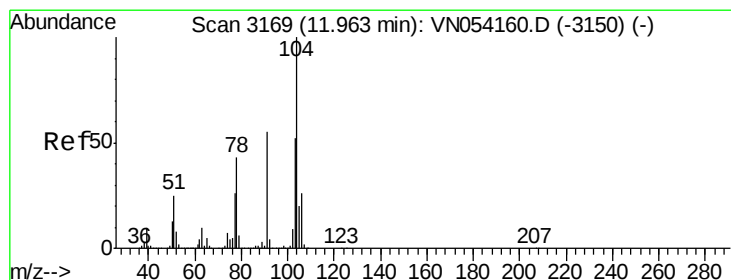
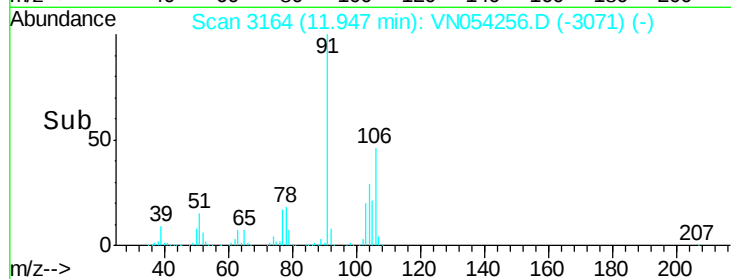
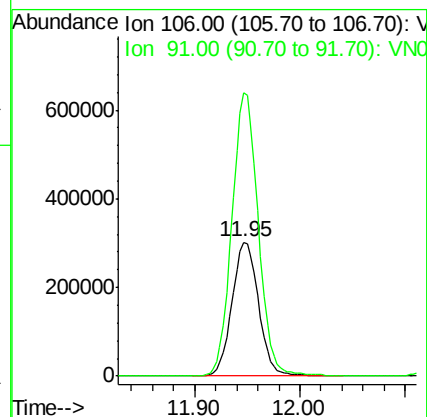
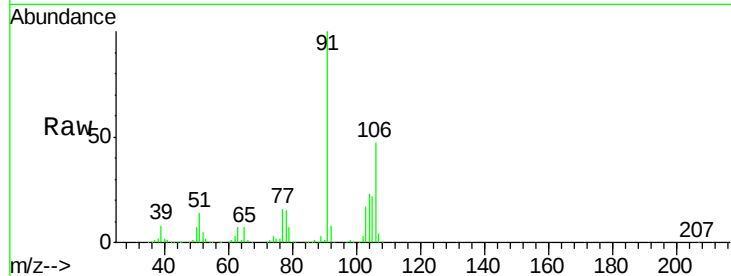




#69
o-Xylene
Concen: 19.988 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

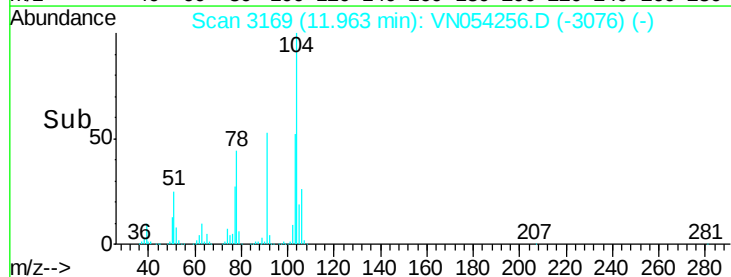
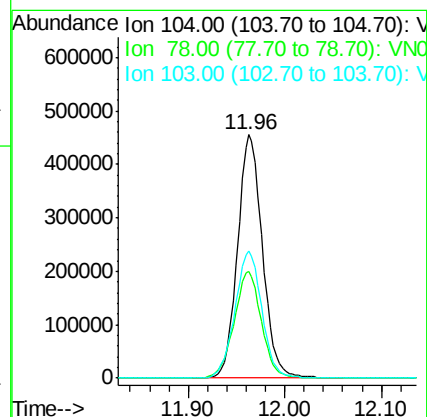
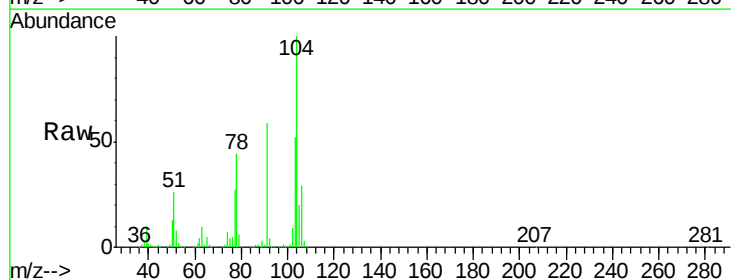
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tot Ion:106 Resp: 525677
Ion Ratio Lower Upper
106 100
91 210.3 105.7 317.1



#70
Styrene
Concen: 19.712 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:104 Resp: 813058
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 56.5 44.4 66.6





#71

Bromoform

Concen: 16.926 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VN0314WBS01

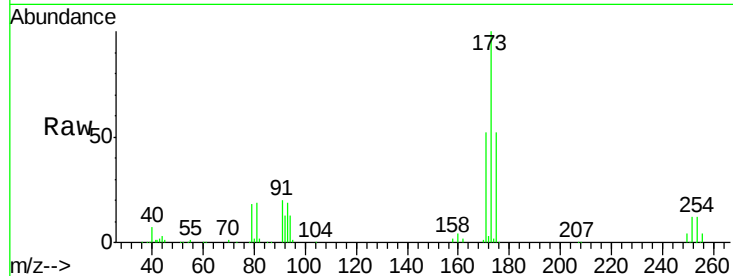
Tot Ion:173 Resp: 176367

Ion Ratio Lower Upper

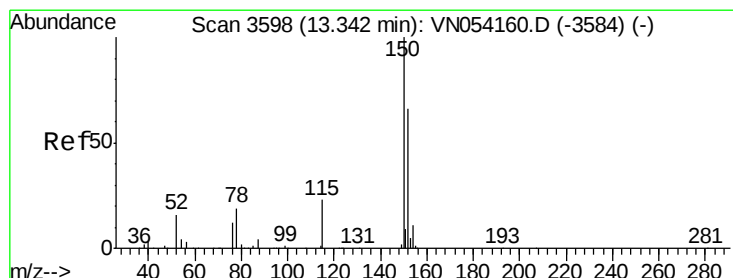
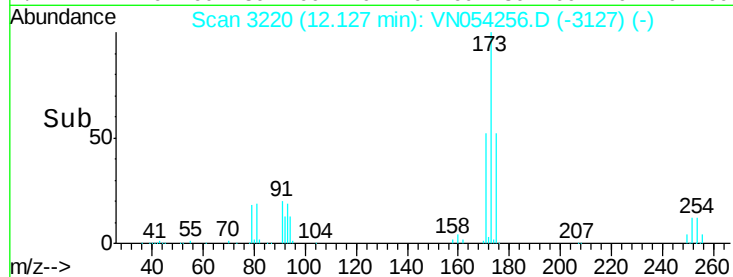
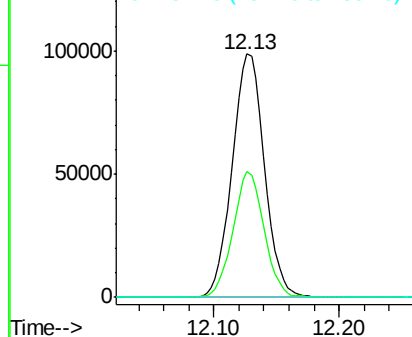
173 100

175 49.6 24.4 73.2

254 0.1 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: VN054256.D

Acq: 14 Mar 2019 12:42

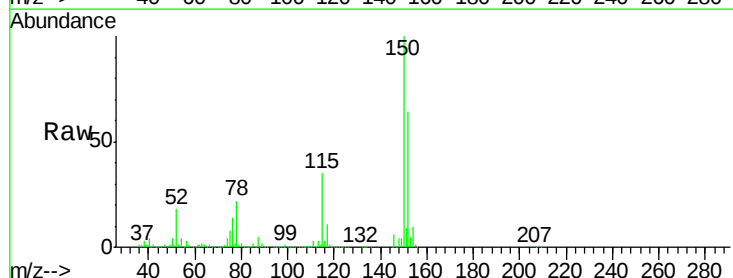
Tgt Ion:152 Resp: 906300

Ion Ratio Lower Upper

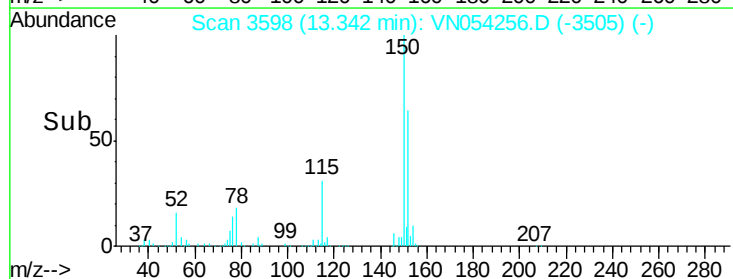
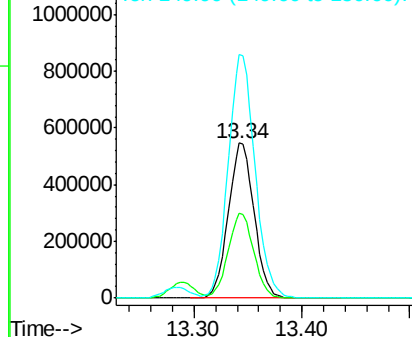
152 100

115 54.5 27.2 81.6

150 163.3 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: 19.387 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

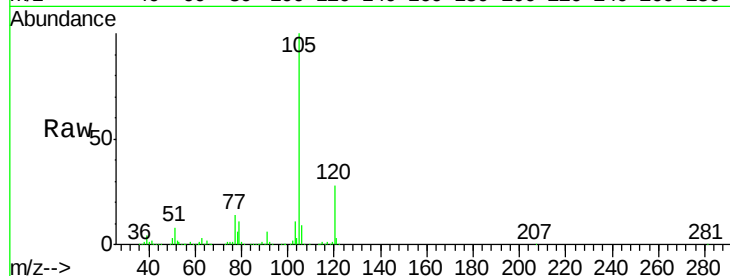
VN0314WBS01

Tot Ion:105 Resp: 1405774

Ion Ratio Lower Upper

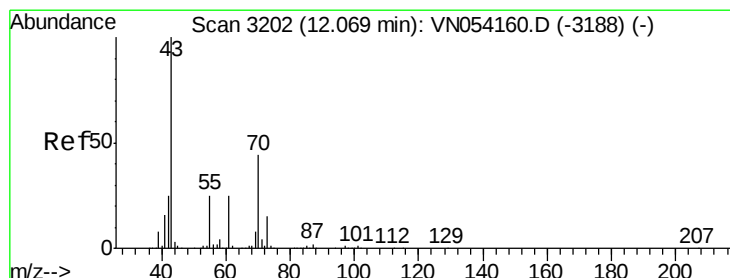
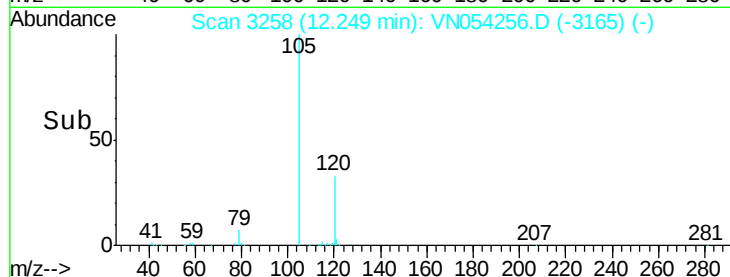
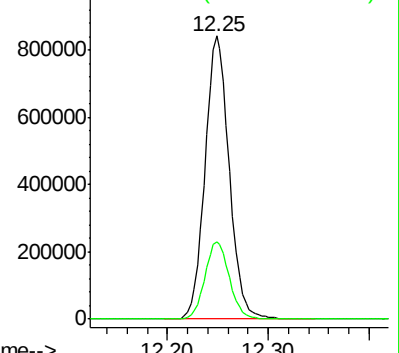
105 100

120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.670 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion: 43 Resp: 300491

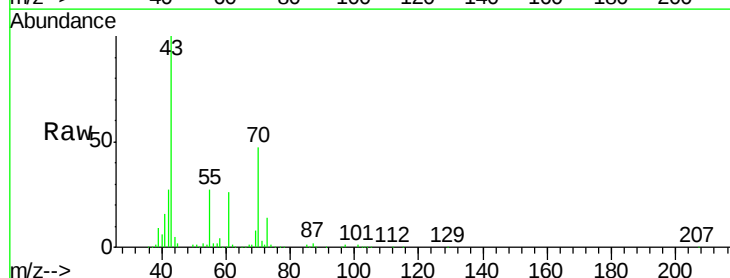
Ion Ratio Lower Upper

43 100

70 46.5 35.4 53.0

55 27.0 19.8 29.6

61 25.4 19.8 29.6

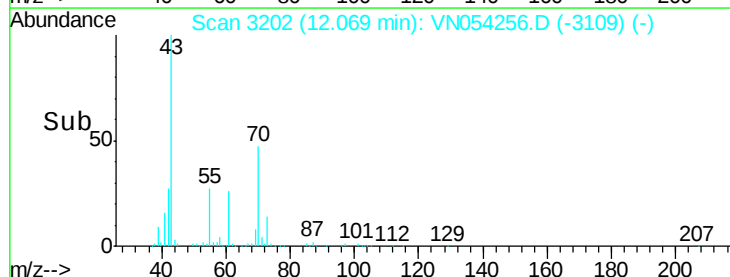
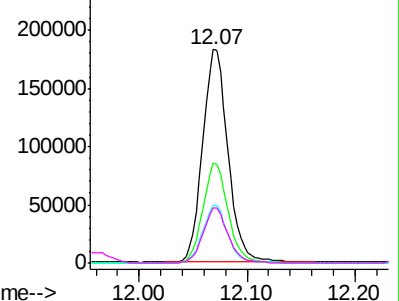


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.372 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

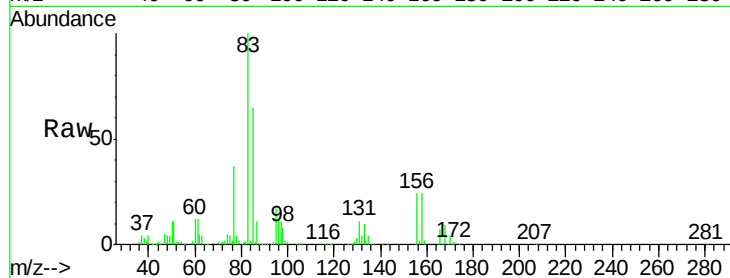
Tot Ion: 83 Resp: 299275

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

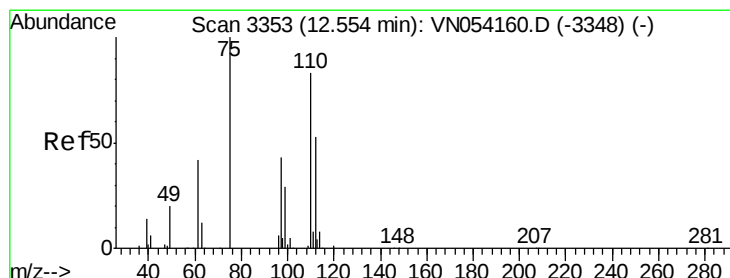
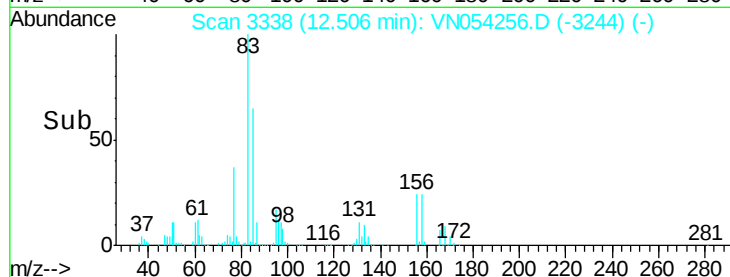
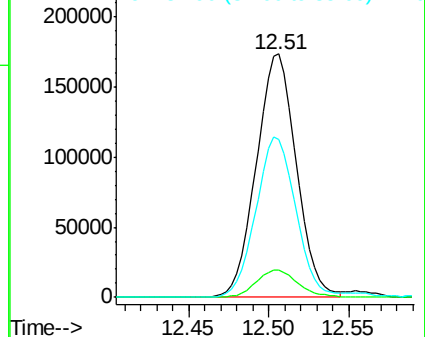
85 65.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.240 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054256.D

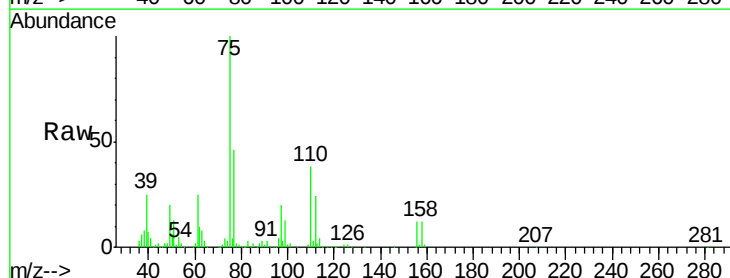
Acq: 14 Mar 2019 12:42

Tgt Ion: 75 Resp: 349720

Ion Ratio Lower Upper

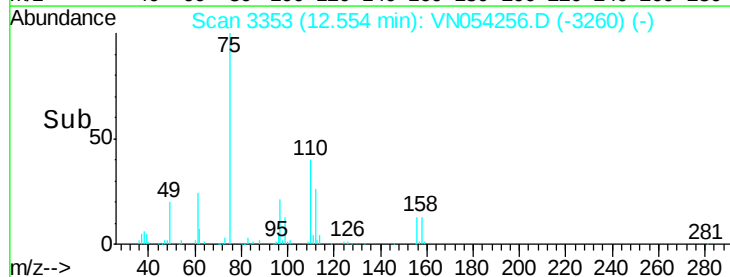
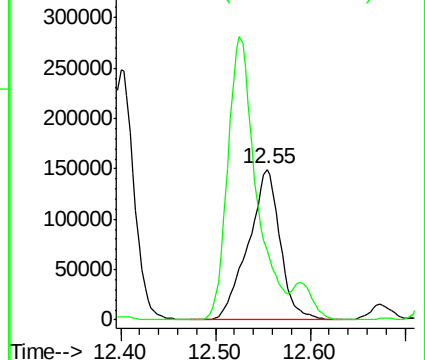
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.222 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

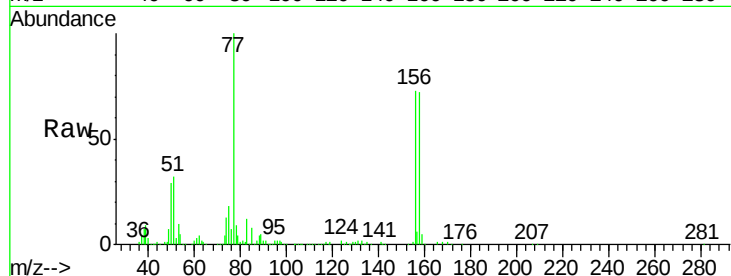
Tot Ion:156 Resp: 368812

Ion Ratio Lower Upper

156 100

77 160.2 81.5 244.4

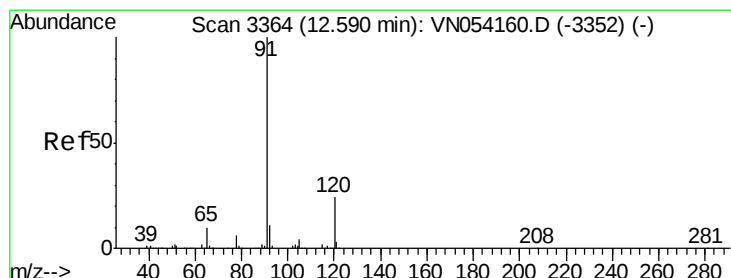
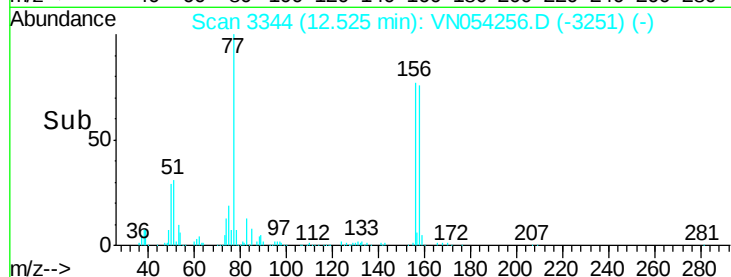
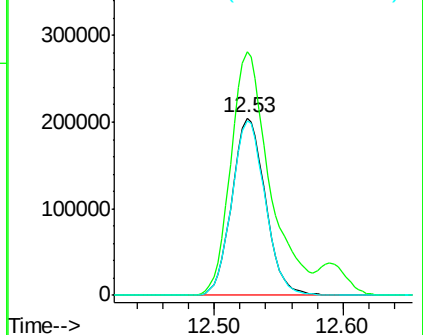
158 98.9 49.0 147.2



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: 19.498 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054256.D

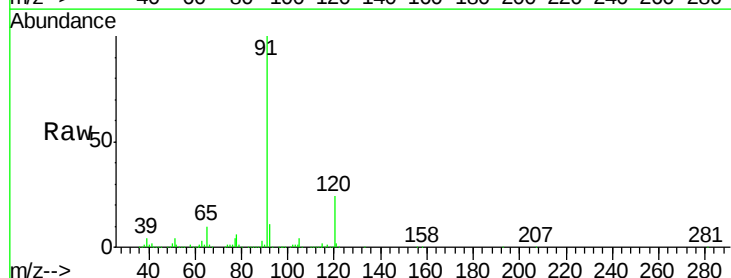
Acq: 14 Mar 2019 12:42

Tgt Ion: 91 Resp: 1534051

Ion Ratio Lower Upper

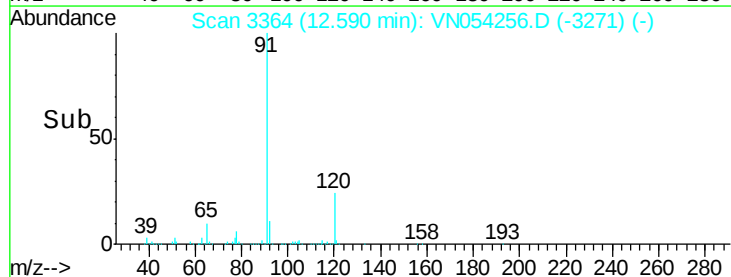
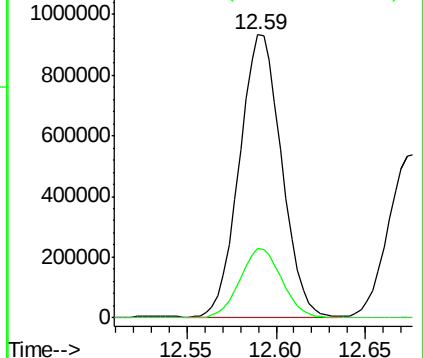
91 100

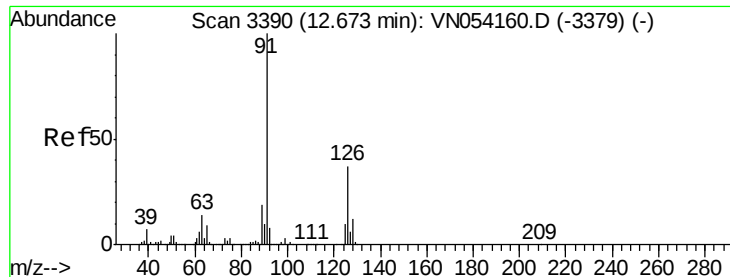
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

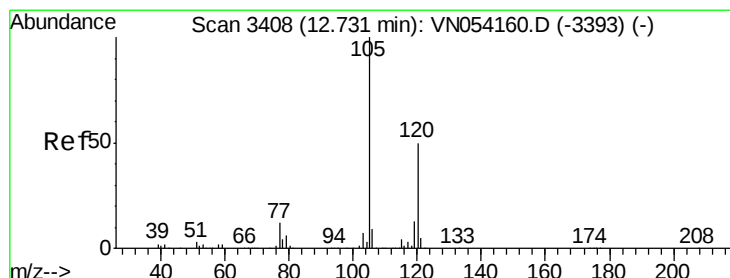
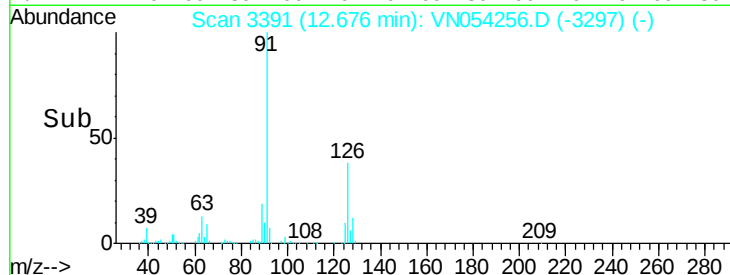
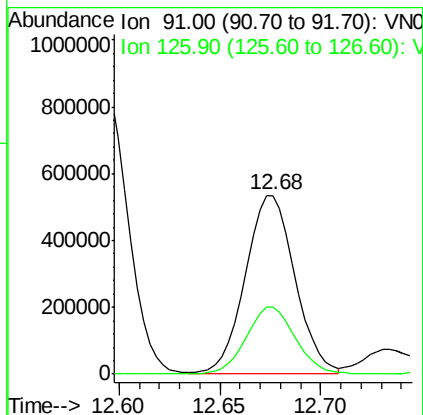
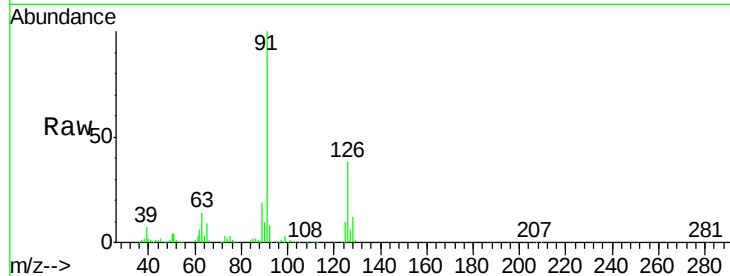




#79
 2-Chlorotoluene
 Concen: 19.309 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

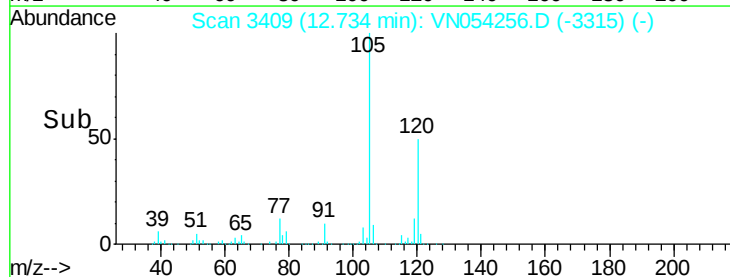
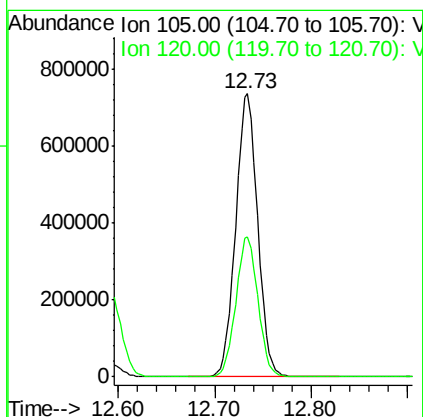
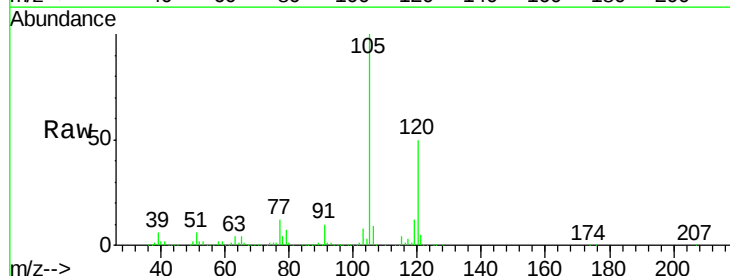
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

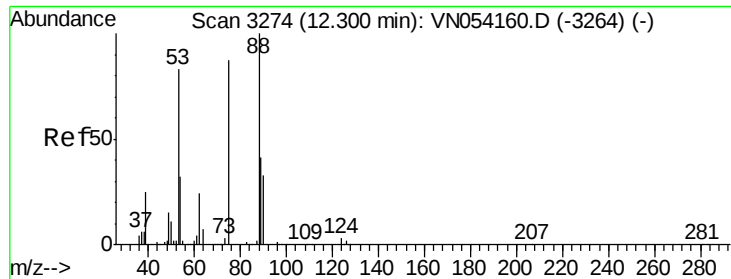
Tot Ion: 91 Resp: 913432
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.227 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion: 105 Resp: 1159656
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 14.324 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

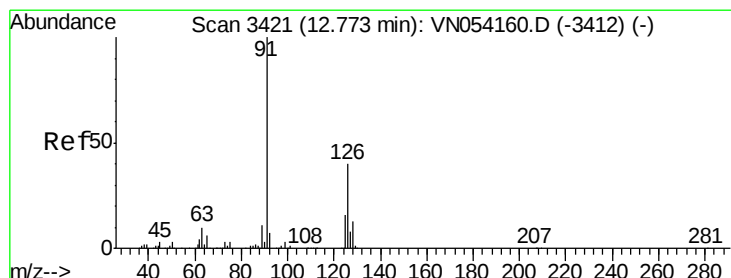
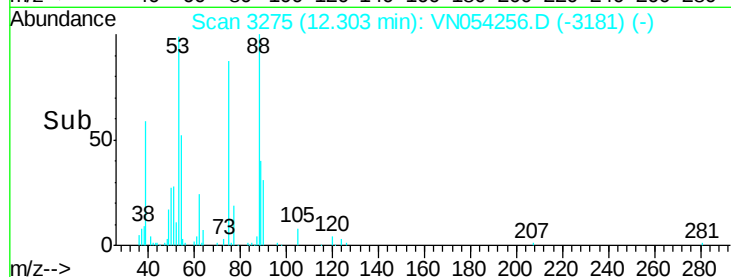
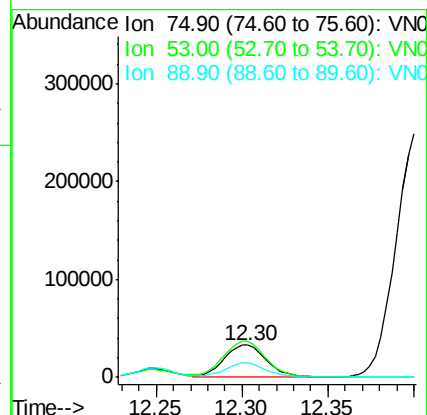
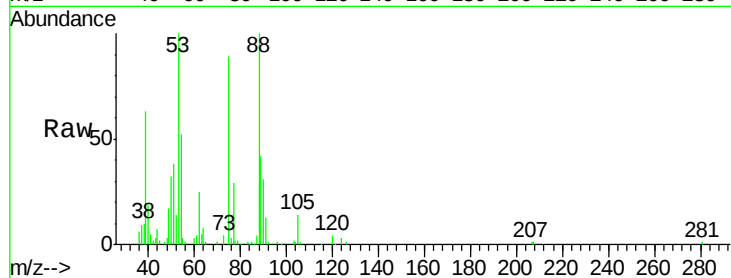
Tot Ion: 75 Resp: 55845

Ion Ratio Lower Upper

75 100

53 116.9 76.2 114.2#

89 44.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.297 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054256.D

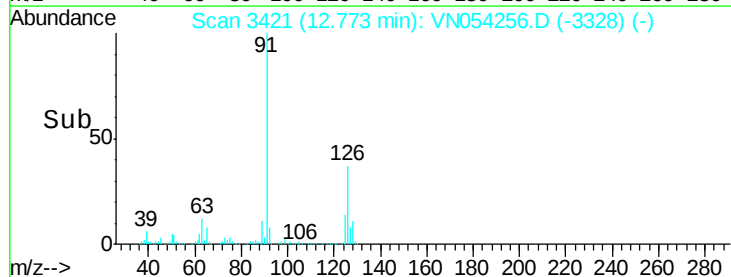
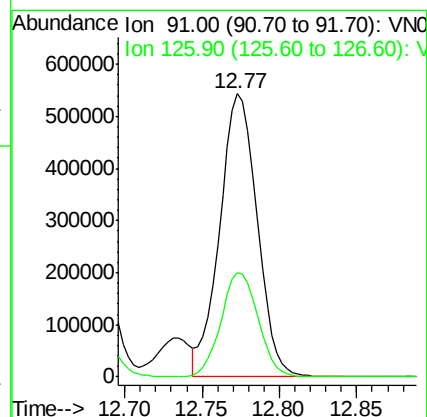
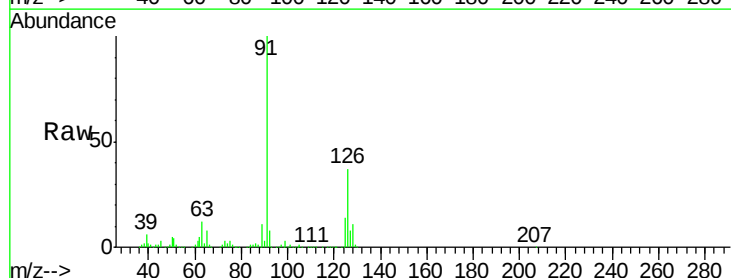
Acq: 14 Mar 2019 12:42

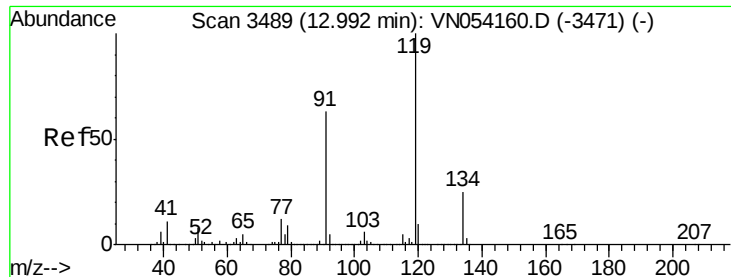
Tgt Ion: 91 Resp: 911520

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.1

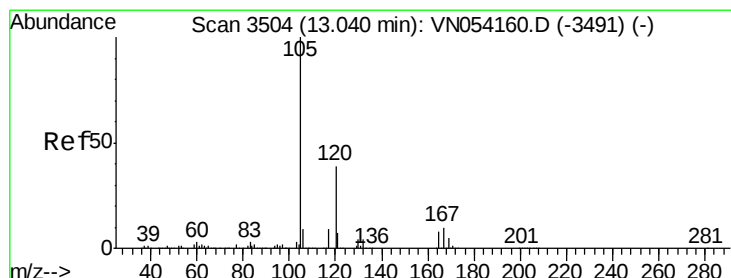
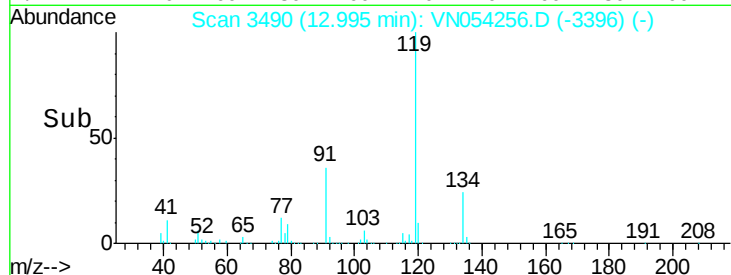
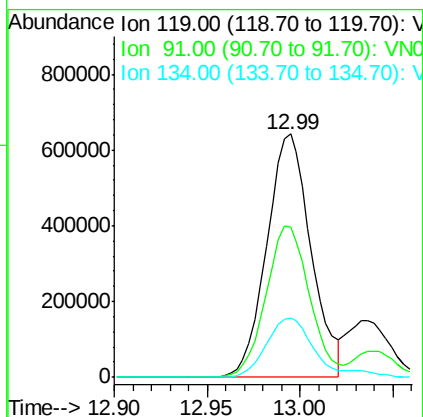
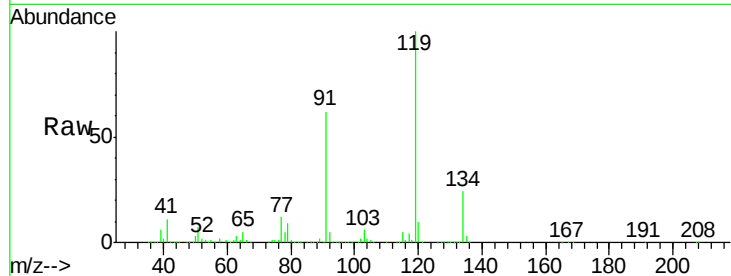




#83
 tert-Butylbenzene
 Concen: 19.278 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

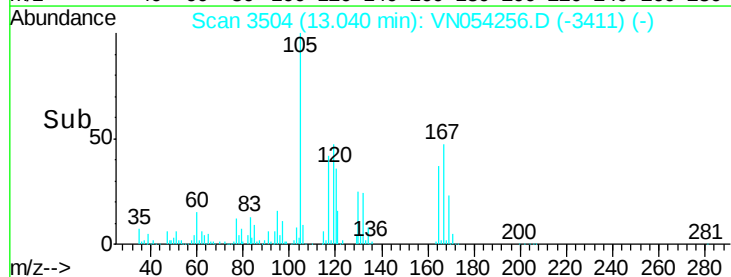
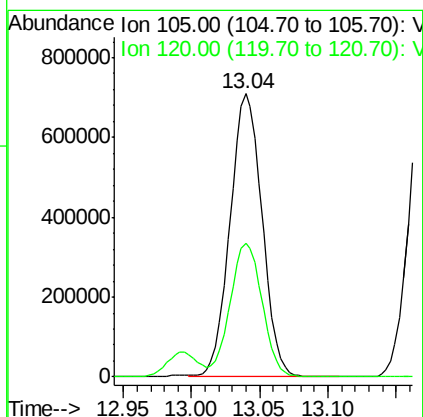
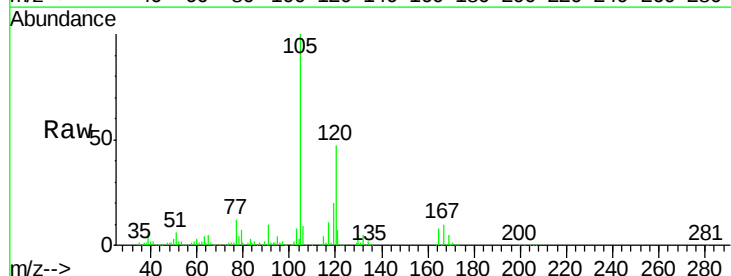
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

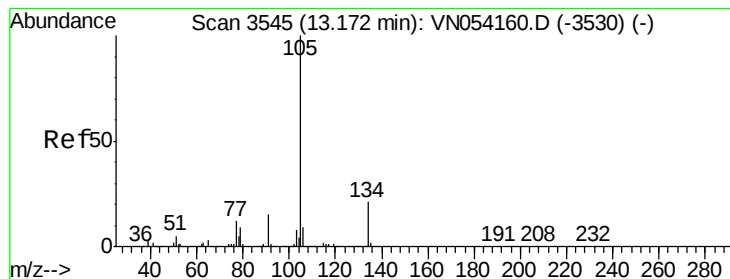
Tot Ion:119 Resp: 1070186
 Ion Ratio Lower Upper
 119 100
 91 61.3 30.9 92.8
 134 27.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.548 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion:105 Resp: 1156626
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.324 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

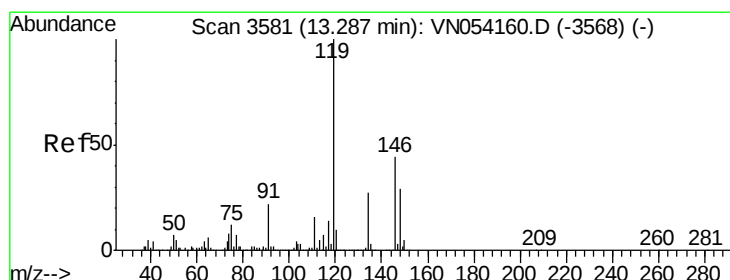
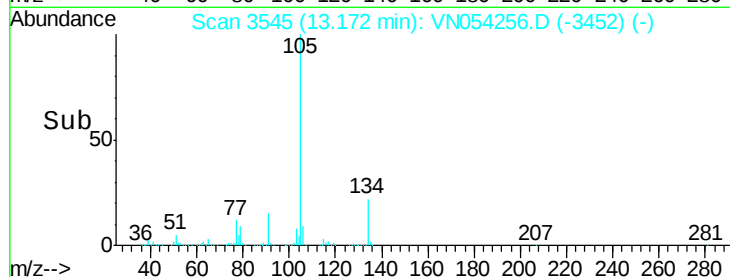
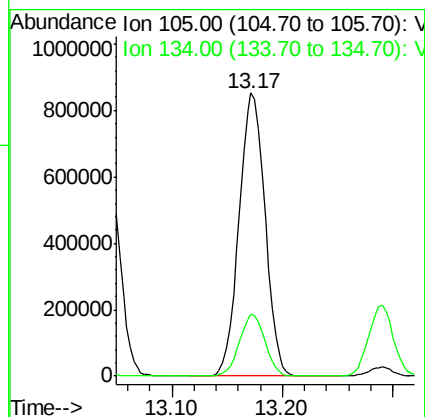
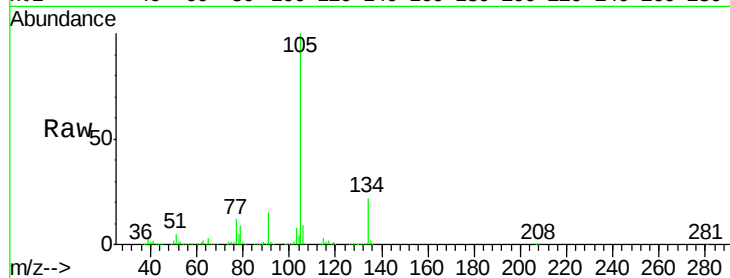
VN0314WBS01

Tot Ion:105 Resp: 1391189

Ion Ratio Lower Upper

105 100

134 21.5 10.7 32.1



#86

p-Isopropyltoluene

Concen: 19.361 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

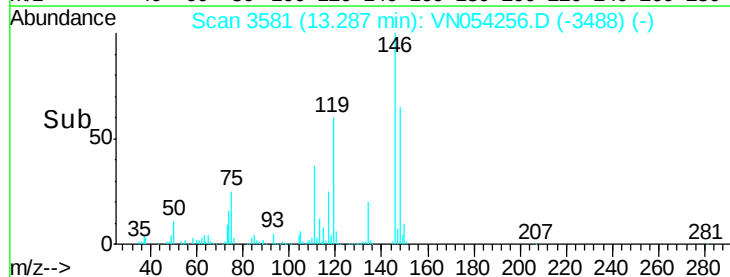
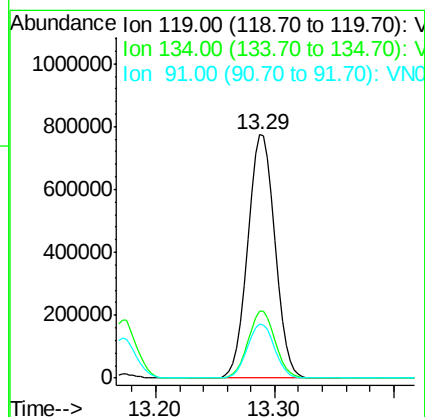
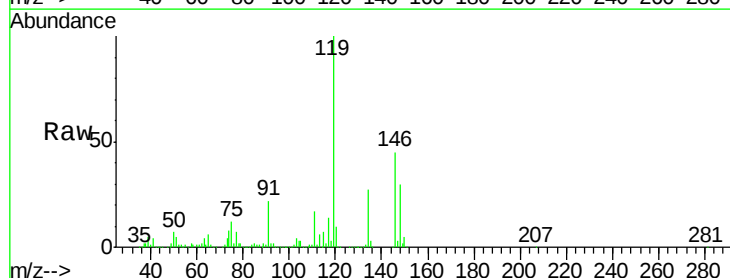
Tgt Ion:119 Resp: 1222848

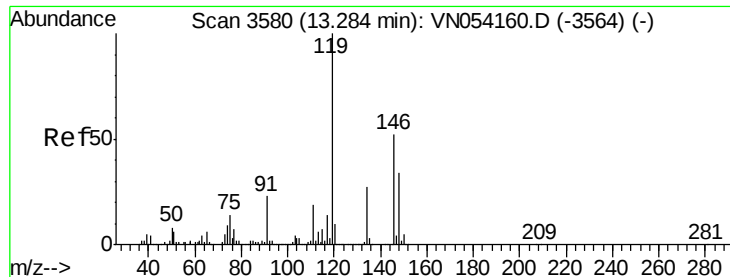
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.509 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

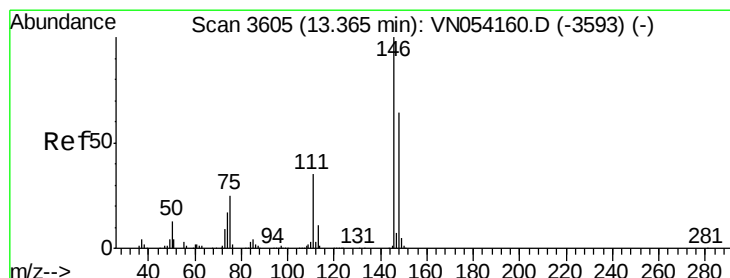
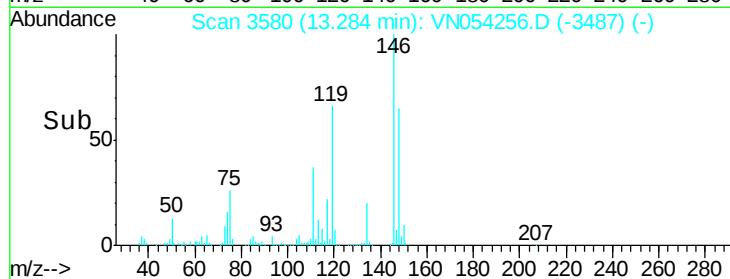
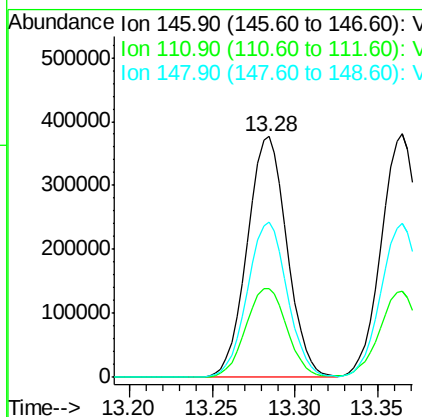
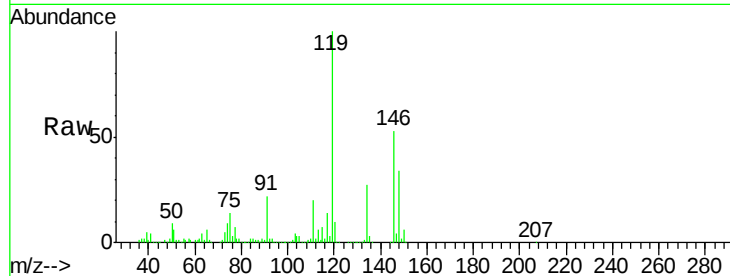
Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS01

Tot Ion:146 Resp: 630757

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.3
148	64.8	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 19.621 ug/l

RT: 13.36 min Scan# 3605

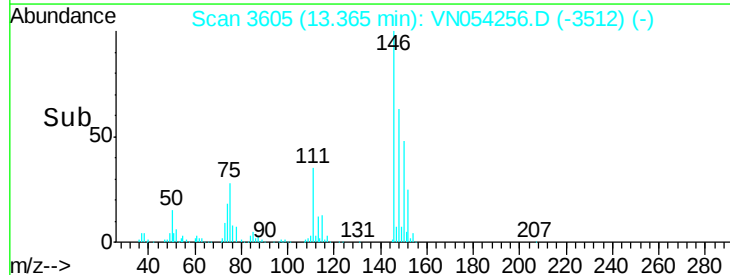
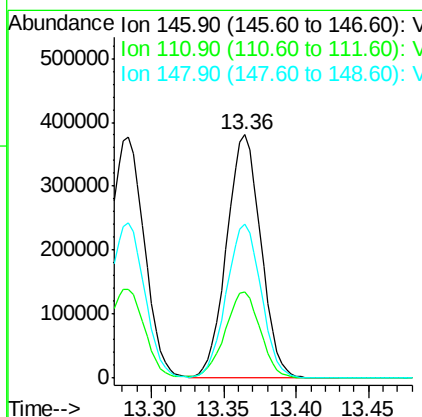
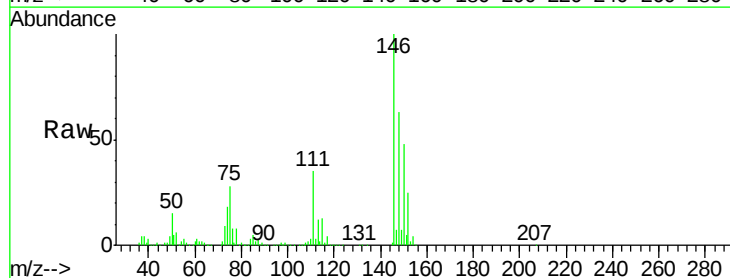
Delta R.T. 0.00 min

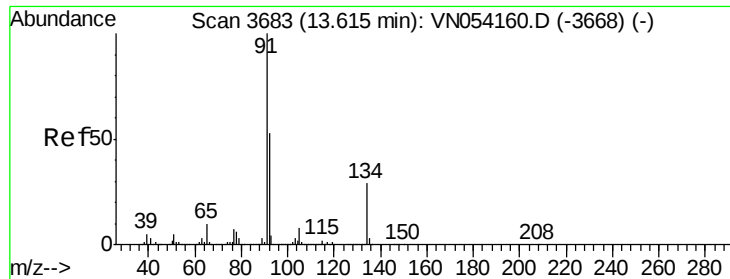
Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Tgt Ion:146 Resp: 623176

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	64.5	32.0	96.0

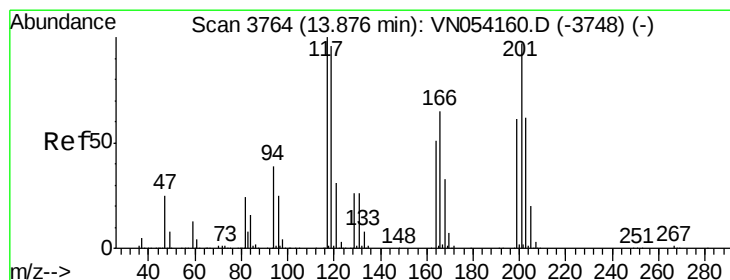
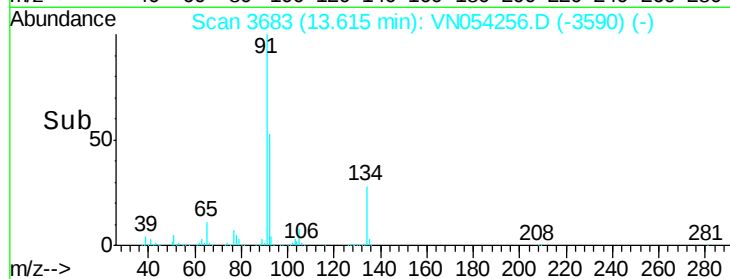
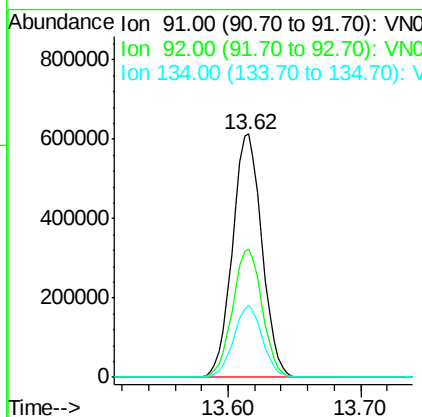
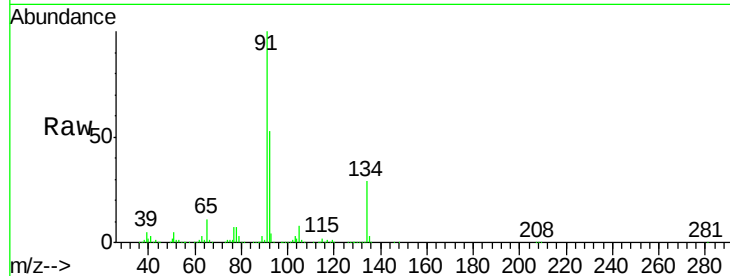




#89
n-Butylbenzene
Concen: 19.723 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

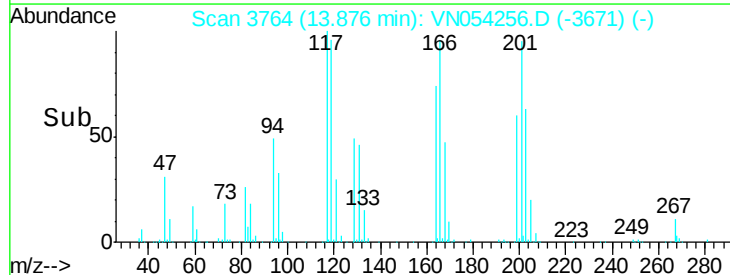
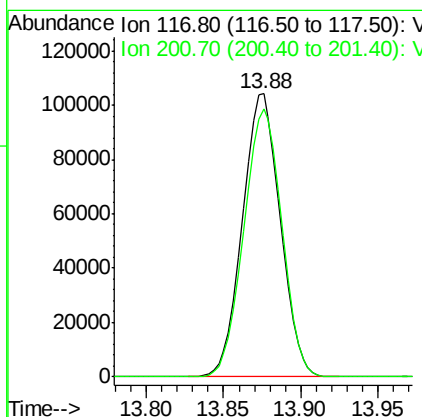
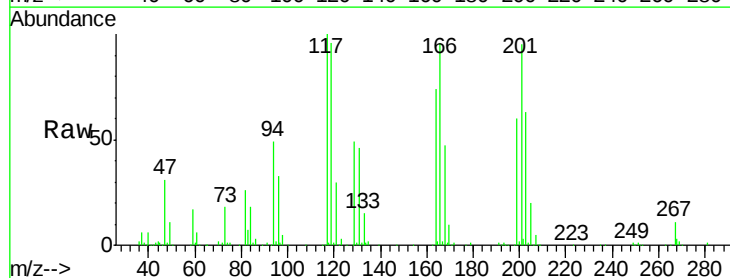
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tot Ion: 91 Resp: 946530
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.6
134 28.6 14.3 42.9



#90
Hexachloroethane
Concen: 16.956 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion: 117 Resp: 177331
Ion Ratio Lower Upper
117 100
201 95.3 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 19.774 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS01

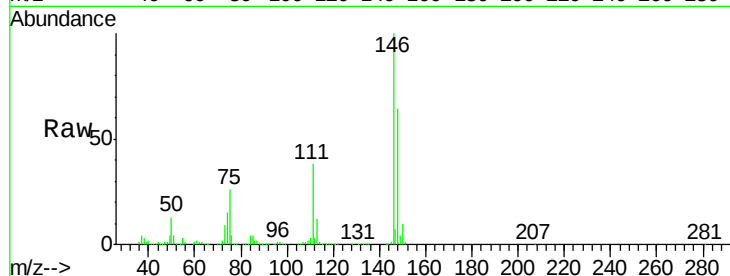
Tot Ion:146 Resp: 624982

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.3

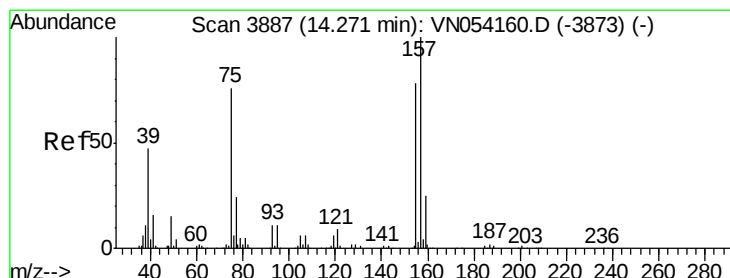
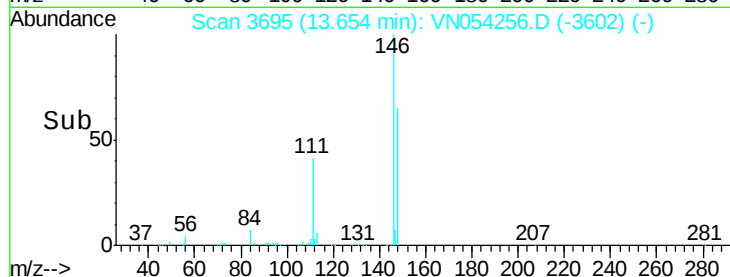
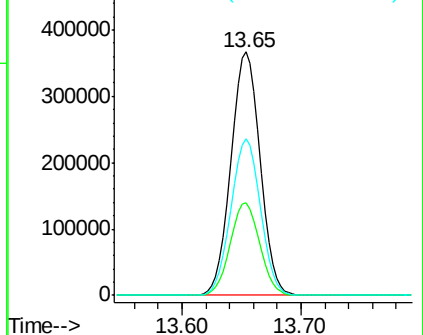
148 65.0 32.4 97.0



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: 18.232 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054256.D

Acq: 14 Mar 2019 12:42

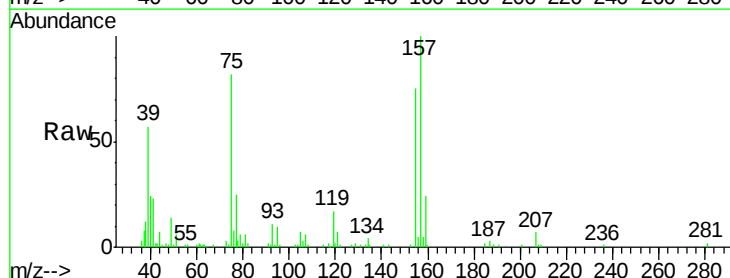
Tgt Ion: 75 Resp: 43584

Ion Ratio Lower Upper

75 100

155 98.5 50.1 150.3

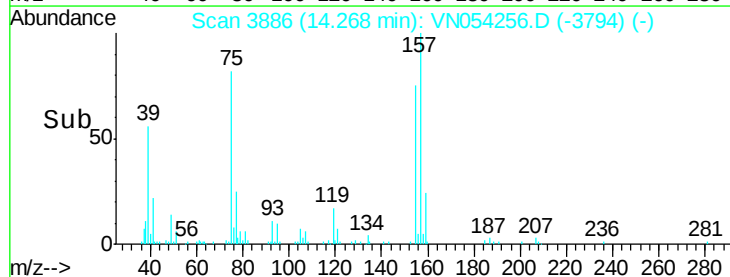
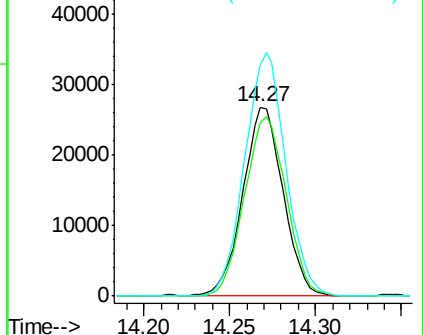
157 131.2 63.1 189.3

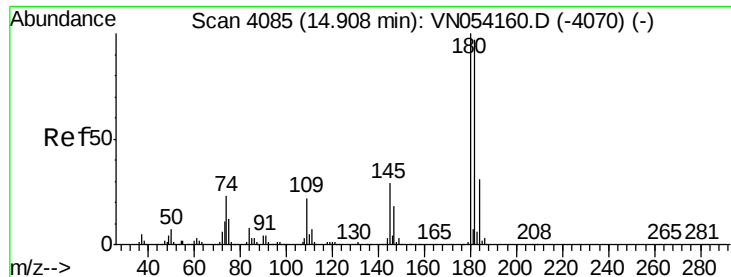


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

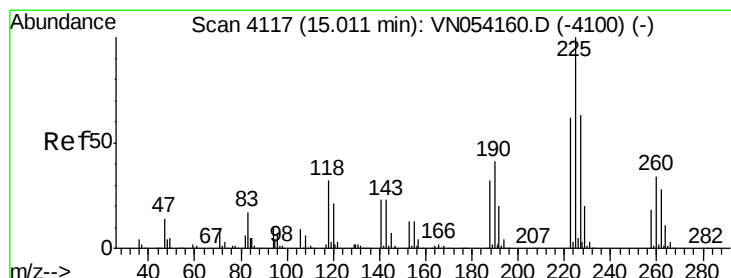
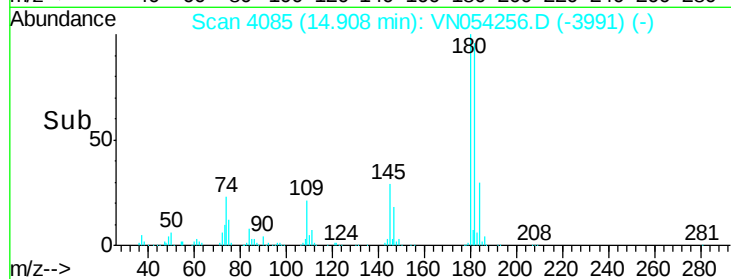
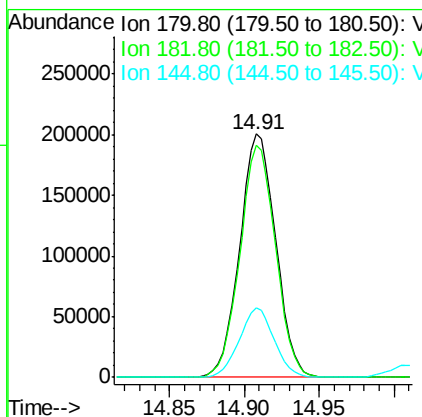
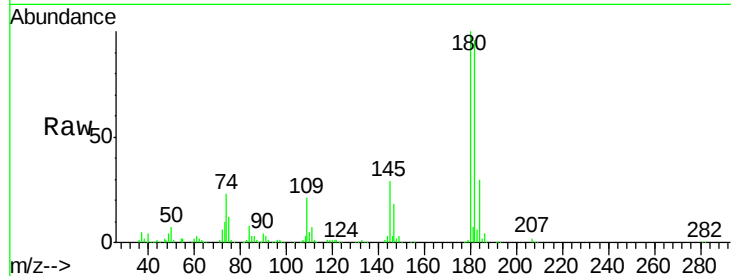




#93
 1,2,4-Trichlorobenzene
 Concen: 19.200 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

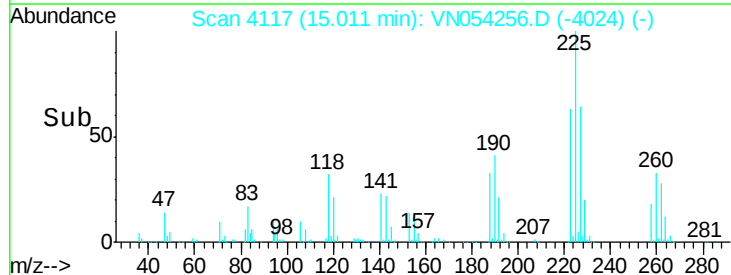
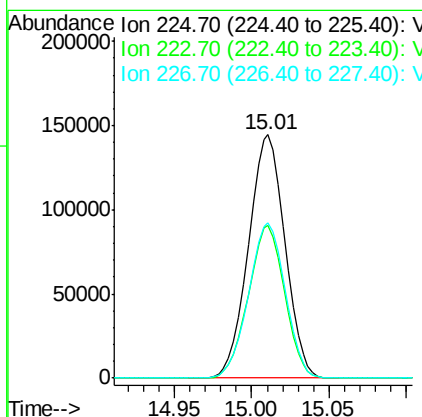
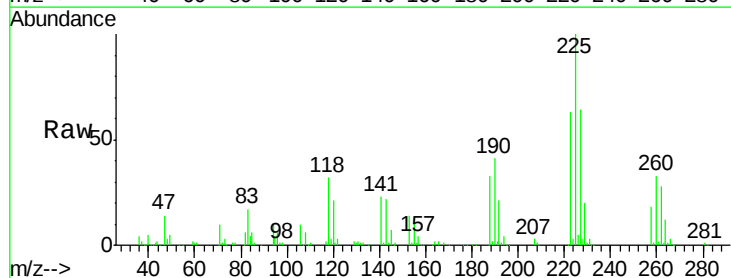
Instrument :
 MSVOA_N
 ClientSampled :
 VN0314WBS01

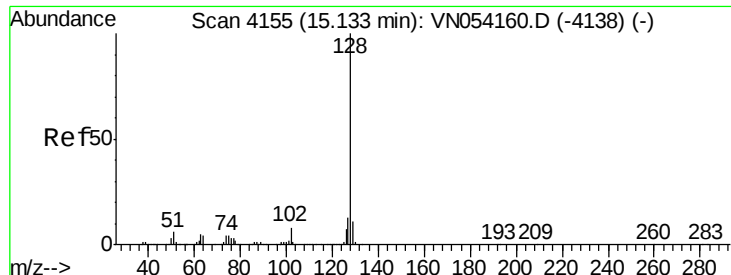
Tot Ion:180 Resp: 335229
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.0 144.2
 145 27.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.727 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054256.D
 Acq: 14 Mar 2019 12:42

Tgt Ion:225 Resp: 237496
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.5
 227 63.9 31.9 95.9

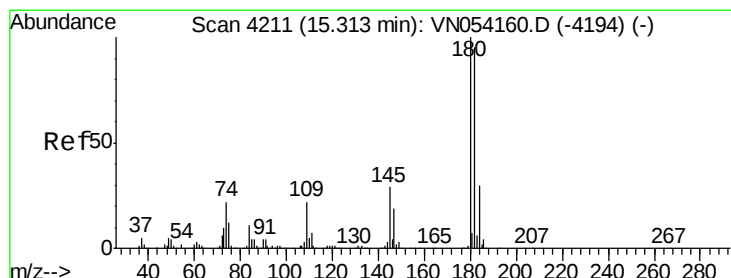
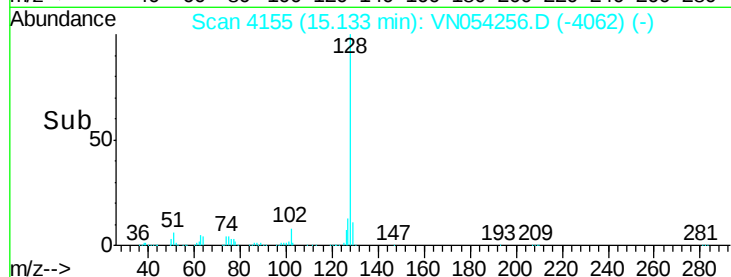
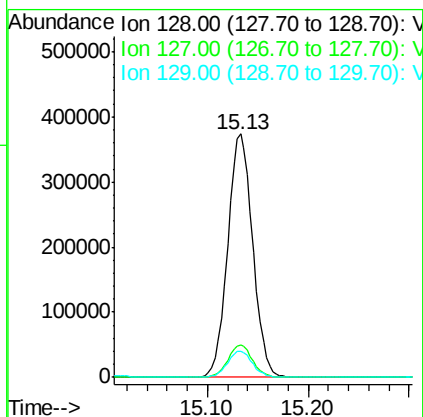
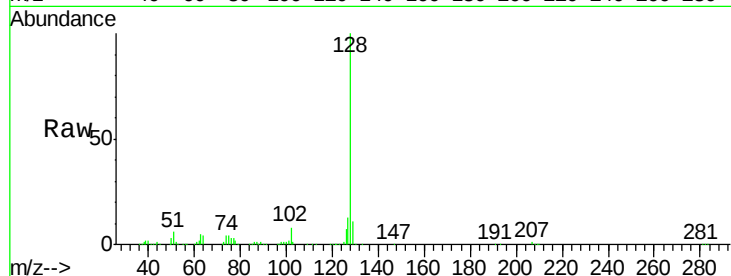




#95
Naphthalene
Concen: 18.598 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS01

Tot Ion:128 Resp: 646206
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.118 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054256.D
Acq: 14 Mar 2019 12:42

Tgt Ion:180 Resp: 337838
Ion Ratio Lower Upper
180 100
182 95.6 47.5 142.6
145 29.5 14.8 44.3

