

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057354.D
 Acq On : 16 Aug 2019 14:40
 Operator : JC/SP
 Sample : VN0817WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Quant Time: Aug 16 15:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:33:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	148455	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	816897	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	714707	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	290789	30.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.40	95	304103	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	10.09	98	981395	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	162179	21.149	ug/l 100
3) Chloromethane	2.05	50	181386	20.511	ug/l 100
4) Vinyl Chloride	2.18	62	177626	20.994	ug/l 99
5) Bromomethane	2.54	94	141226m	21.453	ug/l
6) Chloroethane	2.70	64	119544	20.627	ug/l 100
7) Trichlorofluoromethane	3.02	101	275611	20.326	ug/l 99
8) Diethyl Ether	3.41	74	104662	20.974	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167239	20.712	ug/l 98
10) 1,1-Dichloroethene	3.73	96	163851	20.462	ug/l 93
11) Methyl Iodide	3.95	142	262325	19.427	ug/l 98
12) Methyl Acetate	4.32	43	191626	21.285	ug/l 98
13) Acrolein	3.60	56	83924	98.578	ug/l 100
14) Acrylonitrile	4.98	53	386020	105.846	ug/l 99
15) Acetone	3.81	58	108009	100.504	ug/l 95
16) Carbon Disulfide	4.05	76	439240	20.067	ug/l 98
17) Allyl chloride	4.32	41	231785	19.817	ug/l 95
18) Methylene Chloride	4.55	84	190367	20.771	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	178422	20.576	ug/l 95
20) Diisopropyl ether	5.94	45	510595	20.965	ug/l 97
21) 1,1-Dichloroethane	5.84	63	307208	20.414	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	204723	20.374	ug/l 97
23) tert-Butyl Alcohol	4.76	59	142287	109.478	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	509452	20.731	ug/l 98
25) Chloroform	7.36	83	320054	20.348	ug/l 99
26) Cyclohexane	7.65	56	262173	20.958	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	237481	19.985	ug/l 98
30) 2-Butanone	6.82	43	489391	104.385	ug/l 95
31) 2,2-Dichloropropane	6.82	77	252366	19.387	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	282656	20.121	ug/l 97
33) Carbon Tetrachloride	7.77	117	247983	19.825	ug/l 98
34) Benzene	8.04	78	731905	20.303	ug/l 98
35) Methacrylonitrile	7.18	41	136168m	21.259	ug/l
36) 1,2-Dichloroethane	8.12	62	236592	20.194	ug/l 99
37) Trichloroethene	8.83	130	206966	19.723	ug/l 96
38) Methylcyclohexane	9.08	83	281939	20.034	ug/l 97
39) 1,2-Dichloropropane	9.11	63	189566	20.574	ug/l 100
40) Dibromomethane	9.20	93	125655	20.500	ug/l 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057354.D
 Acq On : 16 Aug 2019 14:40
 Operator : JC/SP
 Sample : VN0817WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Quant Time: Aug 16 15:30:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:33:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	251695	20.265	ug/l	99
42) Vinyl Acetate	5.88	43	2033074	103.060	ug/l	97
43) Ethyl Acetate	6.92	43	201421	20.940	ug/l	98
45) 1,4-Dioxane	9.19	88	68367	428.469	ug/l	96
46) Methyl methacrylate	9.19	41	156007	20.554	ug/l	93
47) n-amyl Acetate	12.07	43	243983	19.508	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	268401	19.975	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	299749	20.036	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	181593	20.300	ug/l	99
51) Ethyl methacrylate	10.43	69	262831	20.268	ug/l	93
52) 1,3-Dichloropropane	10.71	76	297782	20.383	ug/l	98
53) Dibromochloromethane	10.90	129	206164	20.032	ug/l	98
54) 1,2-Dibromoethane	11.00	107	194270	20.620	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	251430	83.293	ug/l	97
56) Bromoform	12.13	173	153513	19.754	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	988876	106.212	ug/l	96
59) 2-Hexanone	10.75	43	695341	104.128	ug/l	97
61) Tetrachloroethene	10.63	164	217883	20.800	ug/l	98
62) Toluene	10.15	91	805400	20.431	ug/l	99
64) Chlorobenzene	11.43	112	498803	20.142	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196062	20.368	ug/l	98
66) Ethyl Benzene	11.51	91	860331	19.976	ug/l	99
67) m/p-Xylenes	11.62	106	630973	39.144	ug/l	99
68) o-Xylene	11.95	106	316920	20.111	ug/l	96
69) Styrene	11.96	104	480025	18.961	ug/l	100
70) Isopropylbenzene	12.25	105	837572	19.826	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	243189	21.014	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	200740m	20.555	ug/l	
73) Bromobenzene	12.53	156	216226	19.314	ug/l	93
74) n-propylbenzene	12.59	91	814252	18.555	ug/l	97
75) 2-Chlorotoluene	12.67	91	528582	19.411	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	673905	19.179	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	74078	19.767	ug/l	89
78) 4-Chlorotoluene	12.77	91	458301	17.987	ug/l	97
79) tert-butylbenzene	12.99	119	619700	19.792	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	629685	18.999	ug/l	99
81) sec-Butylbenzene	13.17	105	716902	18.574	ug/l	98
82) p-Isopropyltoluene	13.29	119	623844	18.042	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	291767	17.792	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	274241	17.916	ug/l	99
85) n-Butylbenzene	13.62	91	470590	18.303	ug/l	97
86) Hexachloroethane	13.88	117	128612	19.325	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	292177	18.859	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28203	18.182	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	71979	13.131	ug/l	96
90) Hexachlorobutadiene	15.01	225	137738	19.690	ug/l	99
91) Naphthalene	15.13	128	138213	11.666	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	71551	13.767	ug/l	98

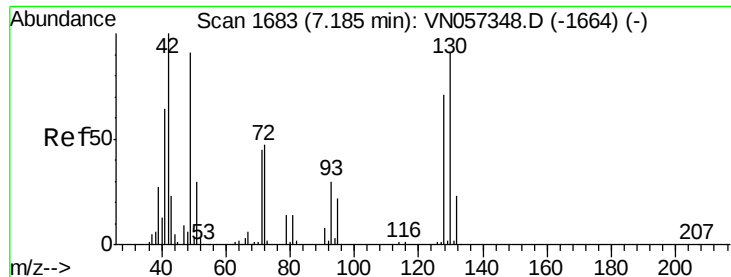
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
Data File : VN057354.D
Acq On : 16 Aug 2019 14:40
Operator : JC/SP
Sample : VN0817WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Quant Time: Aug 16 15:30:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 13:33:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

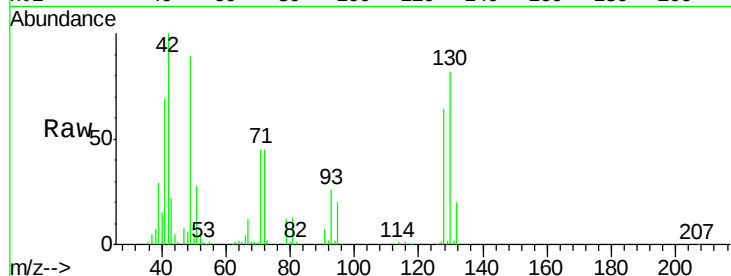
Tot Ion:128 Resp: 148455

Ion Ratio Lower Upper

128 100

49 136.7 0.0 390.5

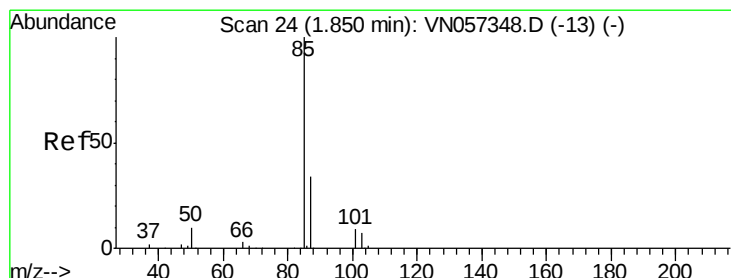
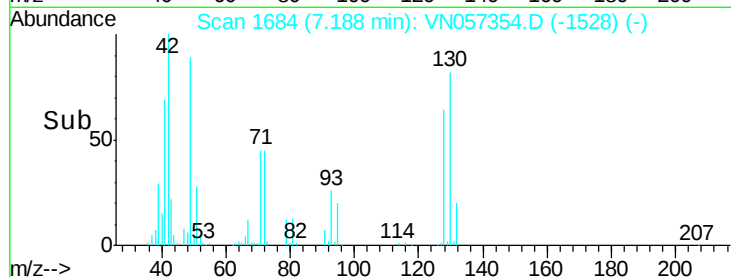
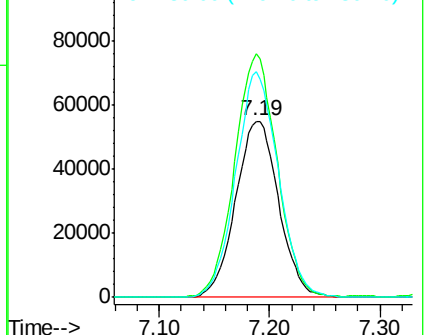
130 126.9 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.149 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN057354.D

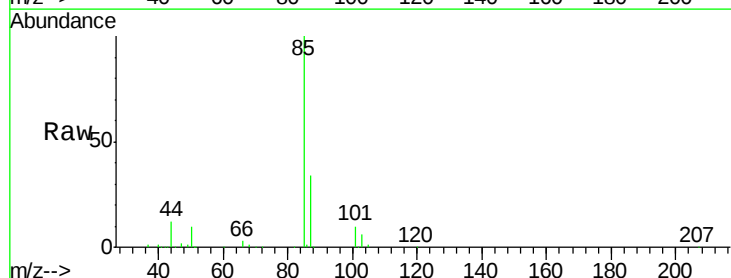
Acq: 16 Aug 2019 14:40

Tgt Ion: 85 Resp: 162179

Ion Ratio Lower Upper

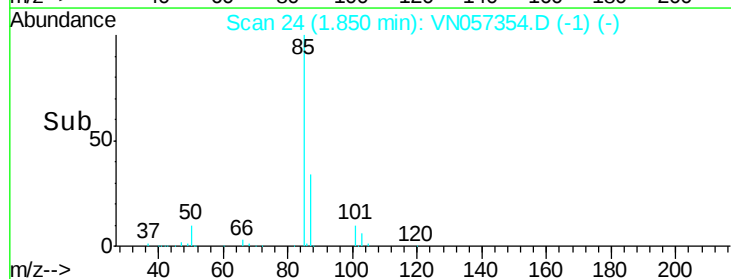
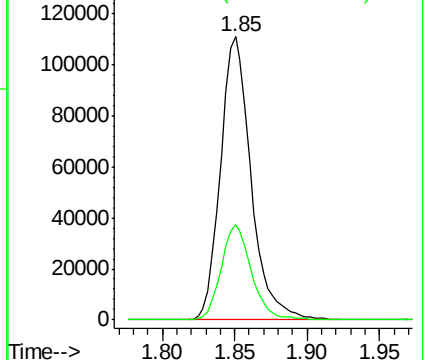
85 100

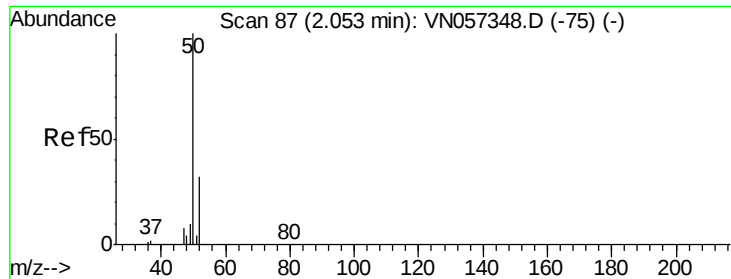
87 33.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.511 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

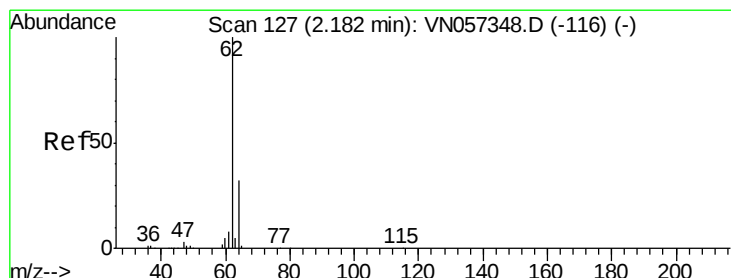
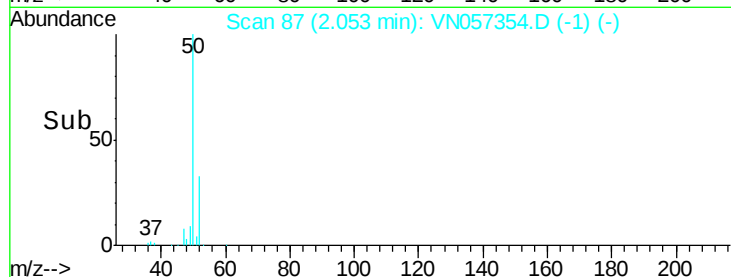
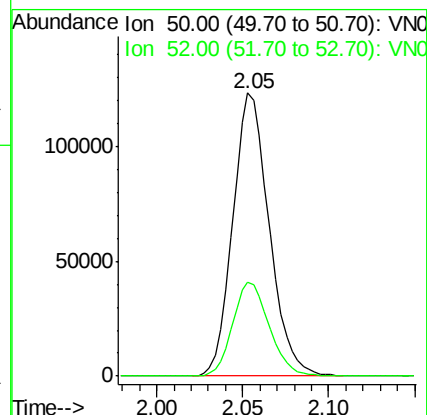
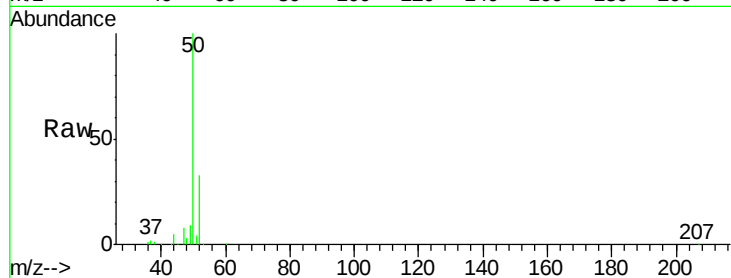
VN0817WBS01

Tot Ion: 50 Resp: 181386

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 20.994 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057354.D

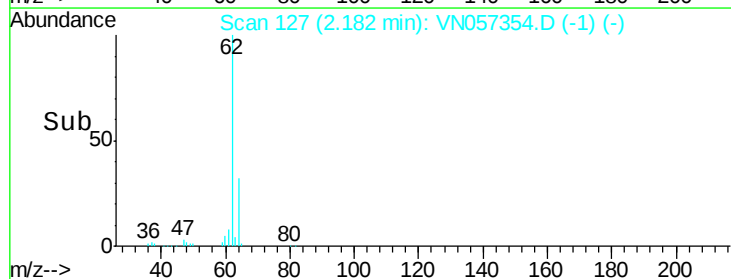
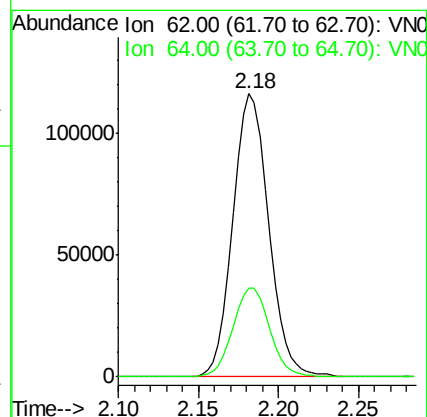
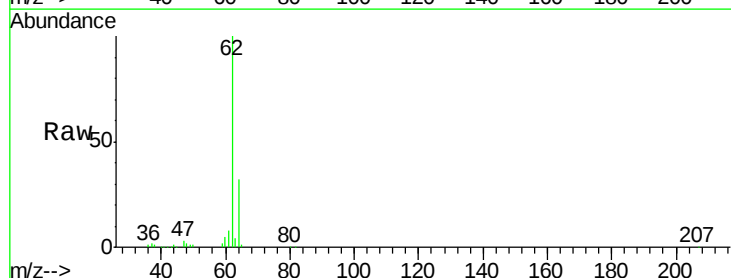
Acq: 16 Aug 2019 14:40

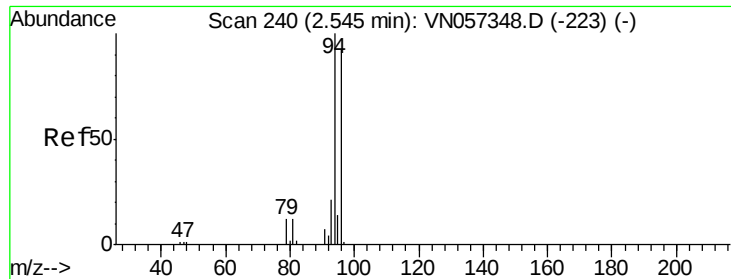
Tgt Ion: 62 Resp: 177626

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 21.453 ug/l m

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

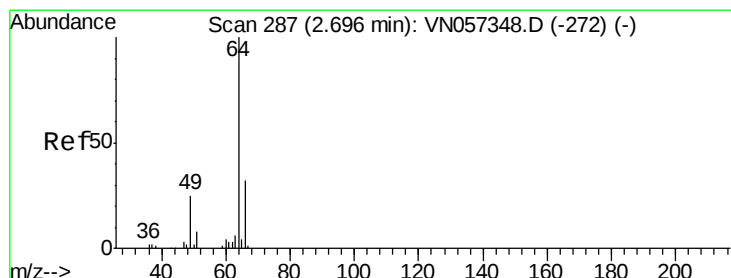
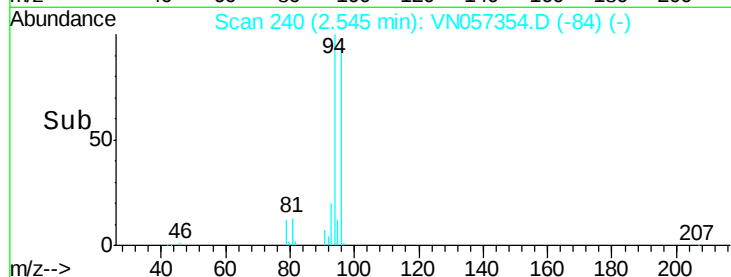
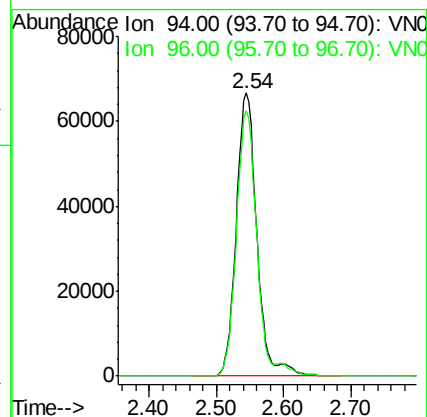
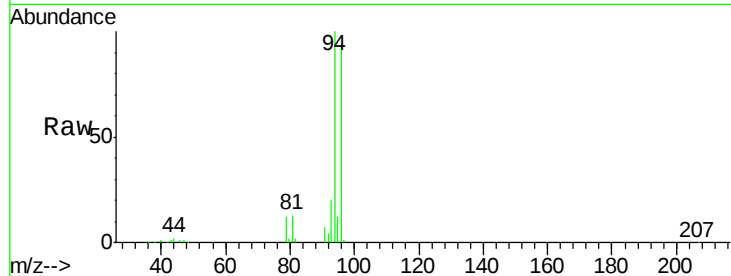
VN0817WBS01

Tot Ion: 94 Resp: 141226

Ion Ratio Lower Upper

94 100

96 93.9 72.8 109.2



#6

Chloroethane

Concen: 20.627 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057354.D

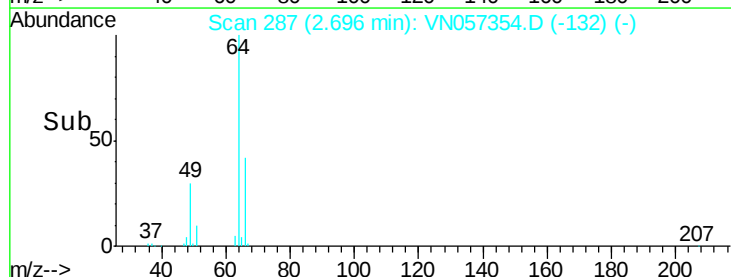
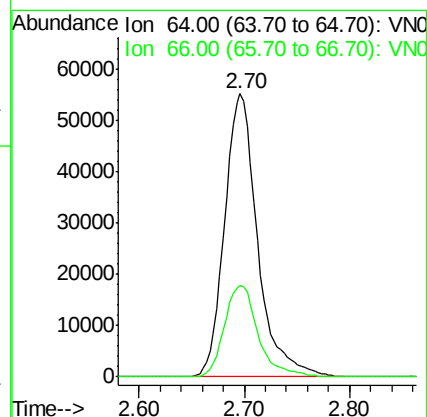
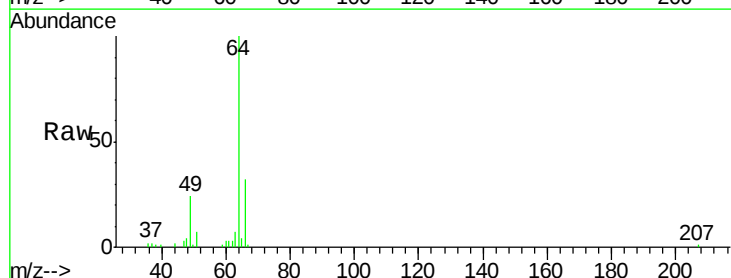
Acq: 16 Aug 2019 14:40

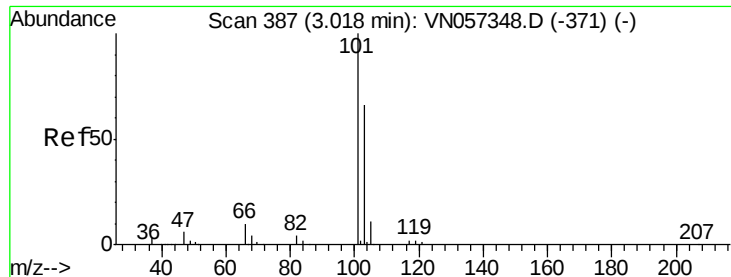
Tgt Ion: 64 Resp: 119544

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



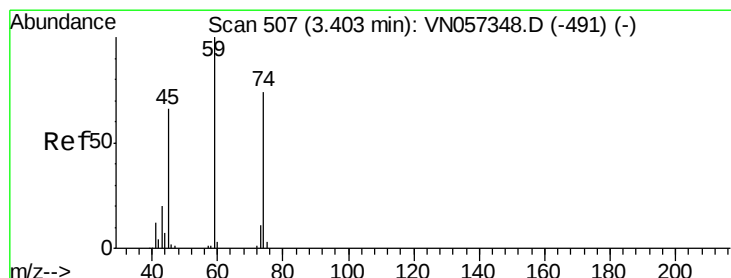
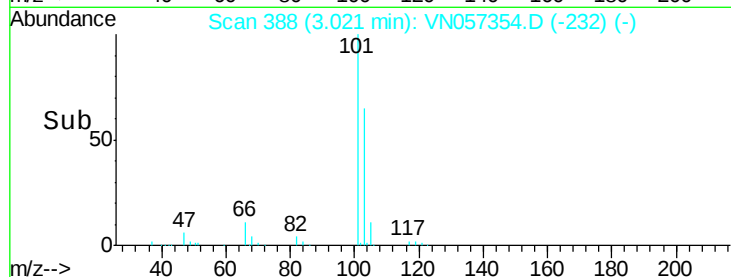
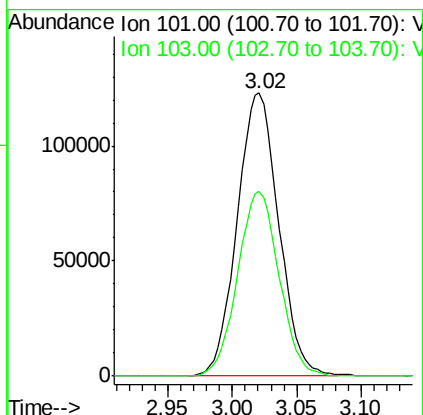
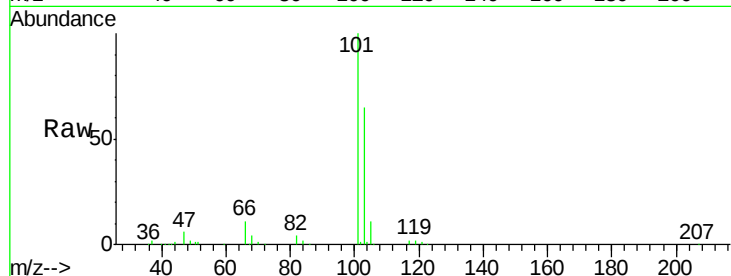


#7

Trichlorofluoromethane
Concen: 20.326 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

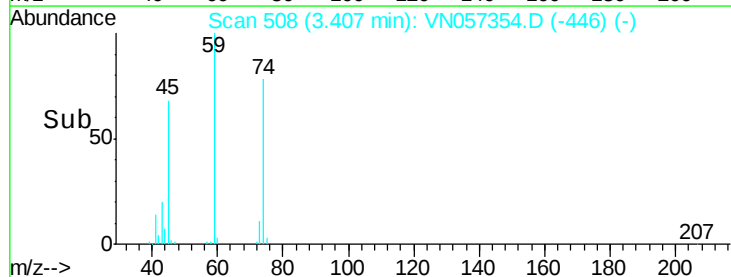
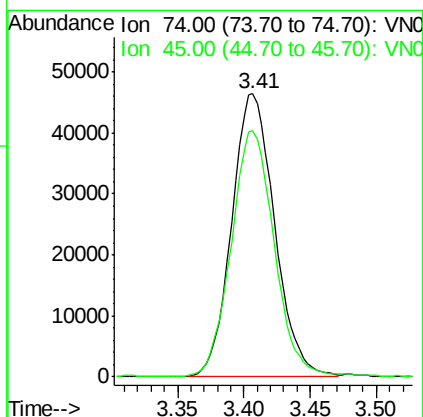
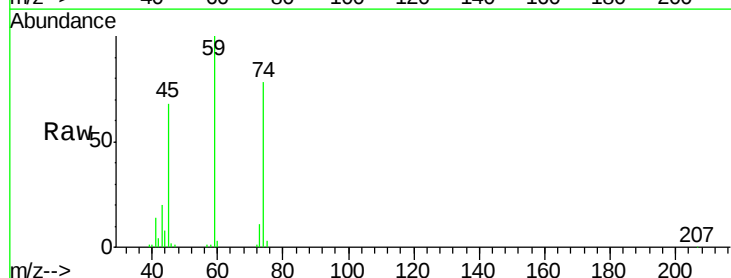
Tot Ion:101 Resp: 275611
Ion Ratio Lower Upper
101 100
103 65.4 52.8 79.2

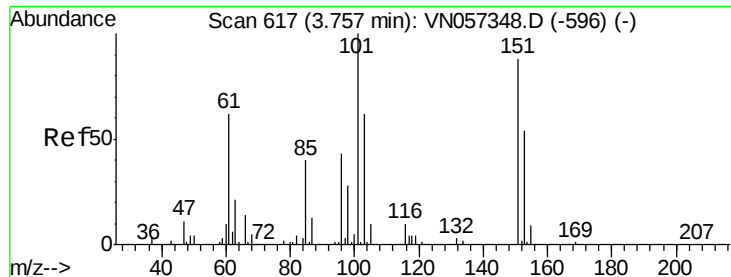


#8

Diethyl Ether
Concen: 20.974 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 74 Resp: 104662
Ion Ratio Lower Upper
74 100
45 87.1 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.712 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

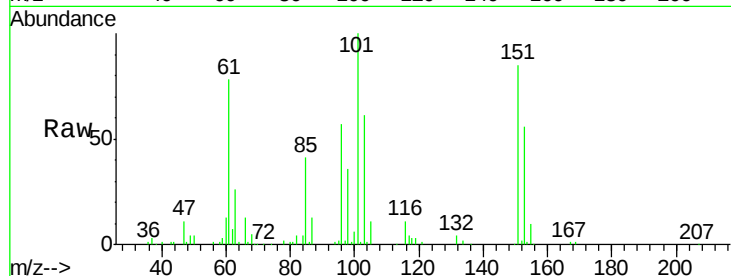
Tot Ion:101 Resp: 167239

Ion Ratio Lower Upper

101 100

85 40.4 0.0 84.2

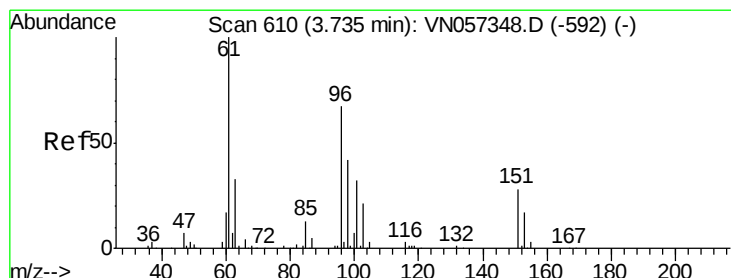
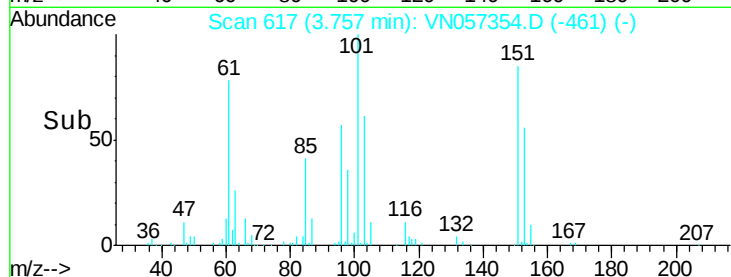
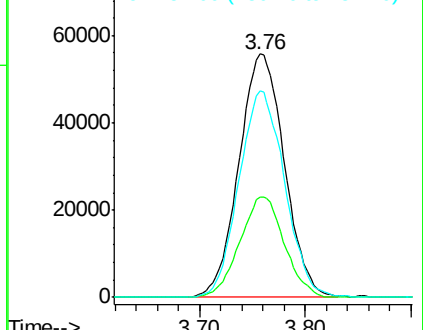
151 85.4 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.462 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

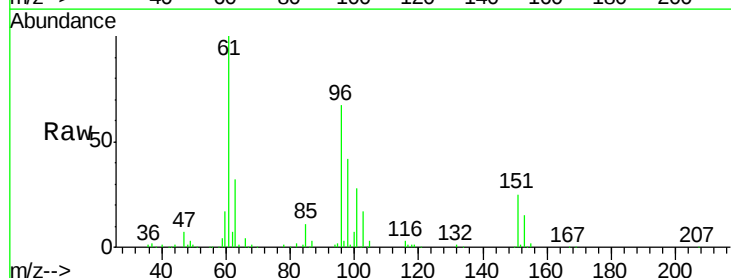
Tgt Ion: 96 Resp: 163851

Ion Ratio Lower Upper

96 100

61 149.5 129.0 193.4

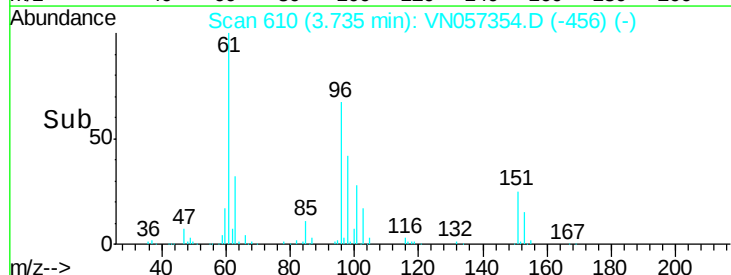
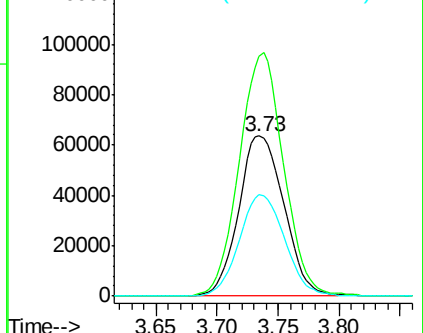
98 63.2 52.5 78.7

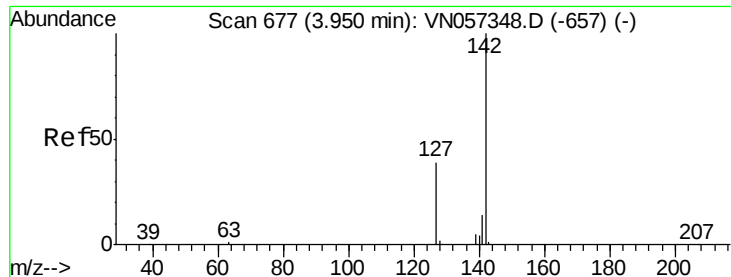


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

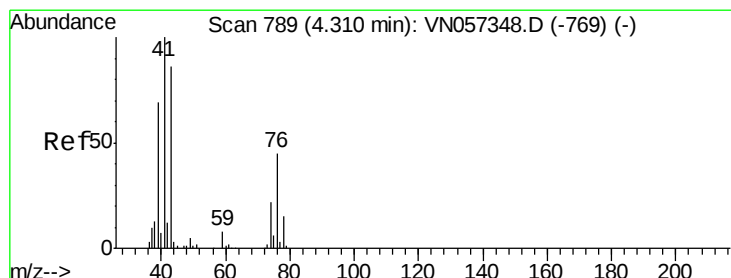
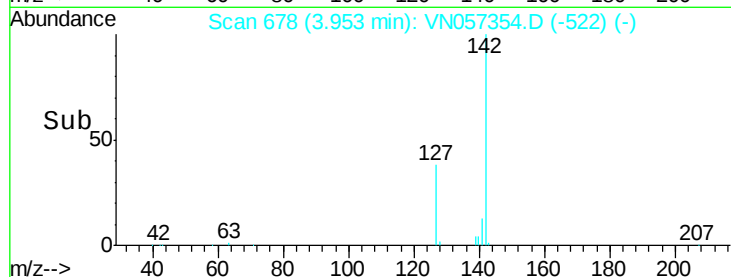
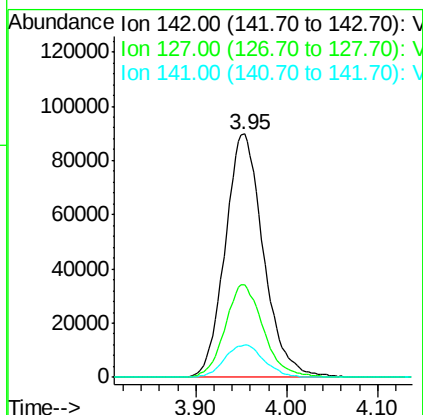
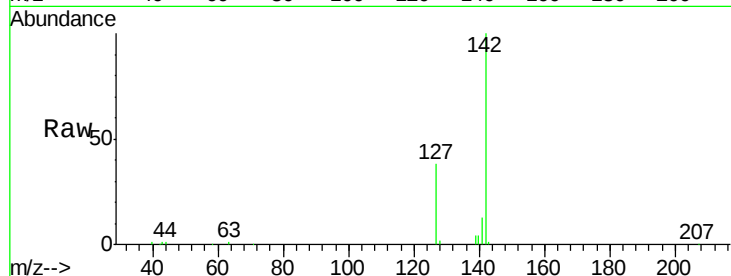




#11
Methvl Iodide
Concen: 19.427 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

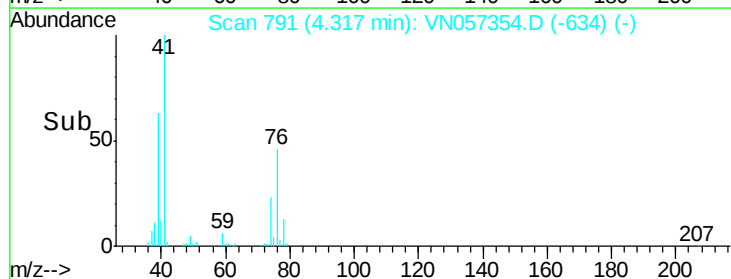
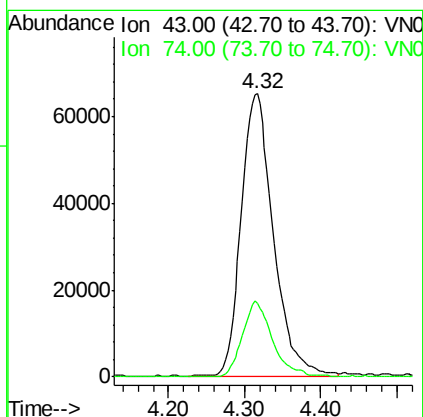
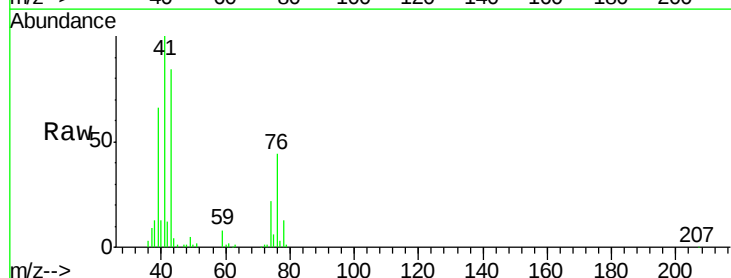
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

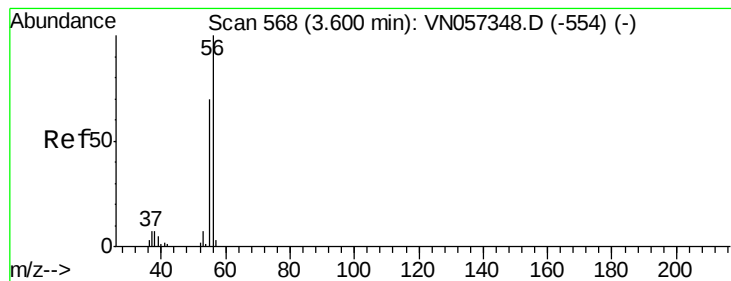
Tot Ion:142 Resp: 262325
Ion Ratio Lower Upper
142 100
127 37.8 19.5 58.5
141 12.9 6.8 20.3



#12
Methyl Acetate
Concen: 21.285 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 43 Resp: 191626
Ion Ratio Lower Upper
43 100
74 26.1 20.2 30.4





#13

Acrolein

Concen: 98.578 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

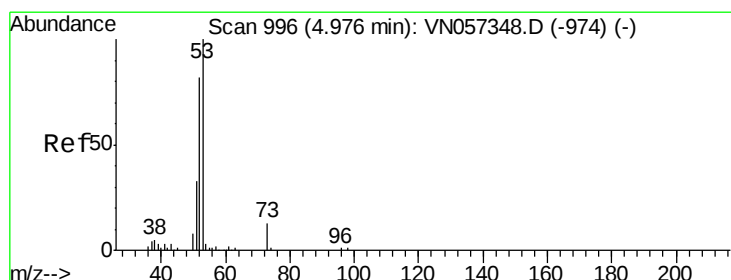
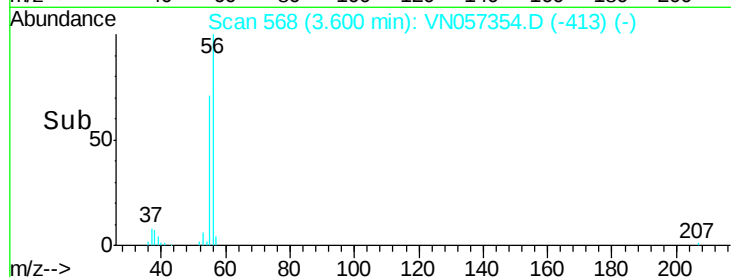
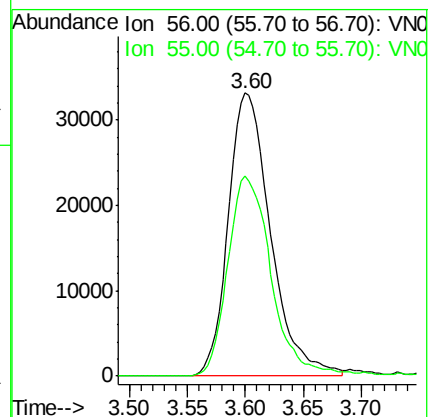
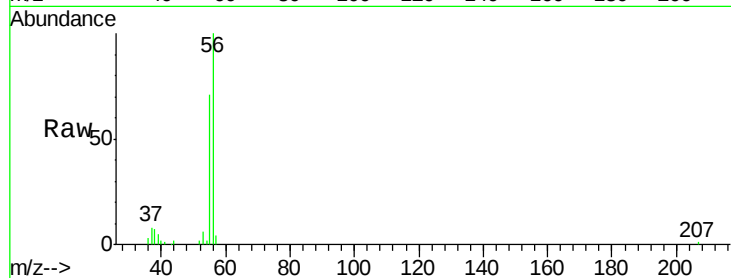
VN0817WBS01

Tot Ion: 56 Resp: 83924

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Acrylonitrile

Concen: 105.846 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

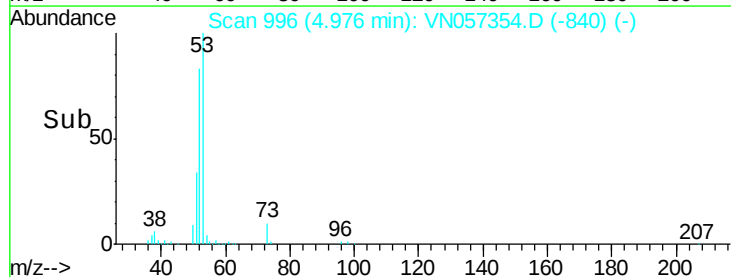
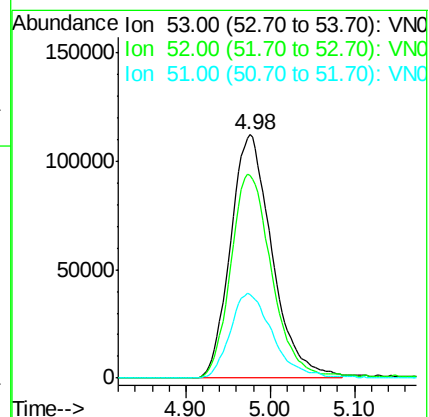
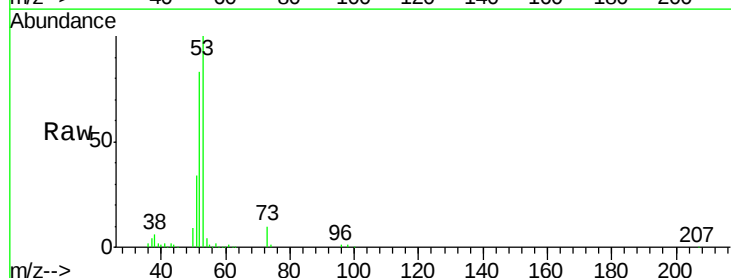
Tgt Ion: 53 Resp: 386020

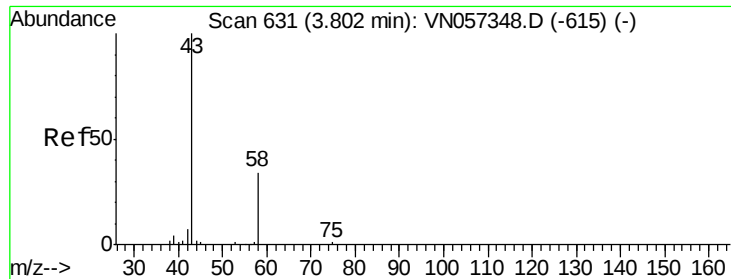
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.7

51 34.9 17.7 53.1





#15

Acetone

Concen: 100.504 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

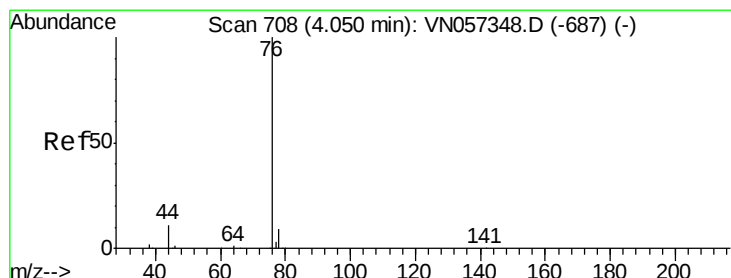
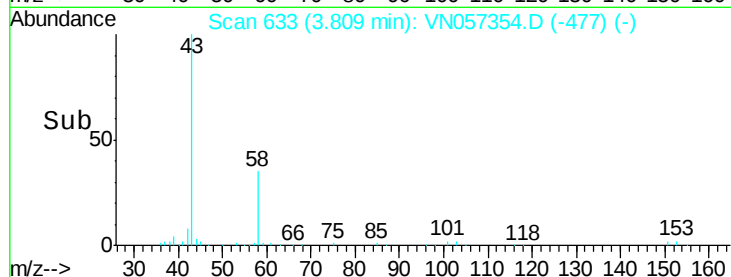
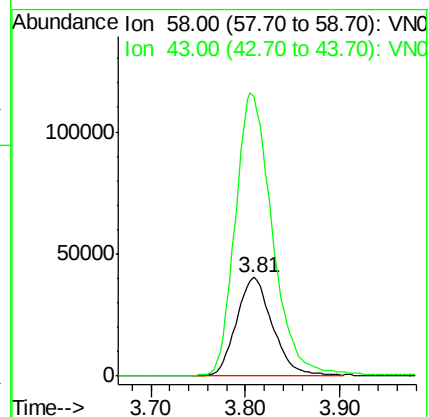
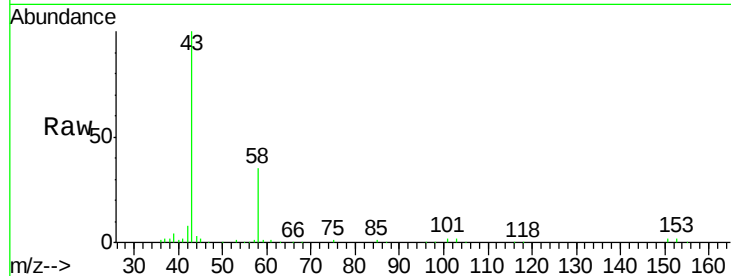
VN0817WBS01

Tot Ion: 58 Resp: 108009

Ion Ratio Lower Upper

58 100

43 282.5 233.9 350.9



#16

Carbon Disulfide

Concen: 20.067 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN057354.D

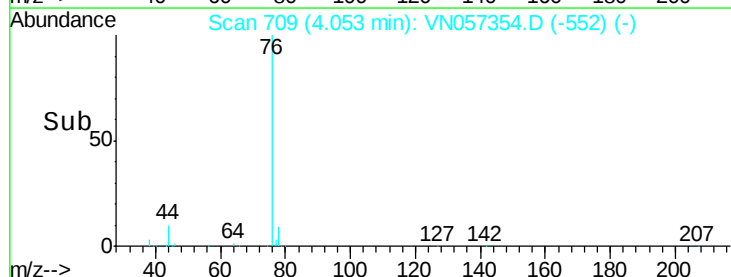
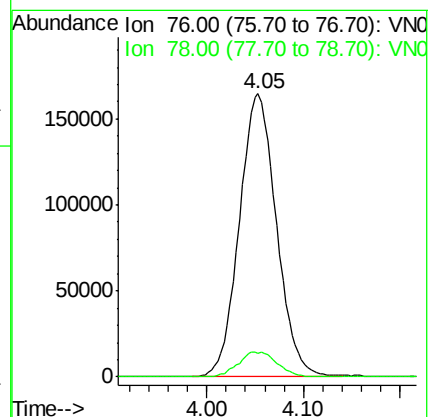
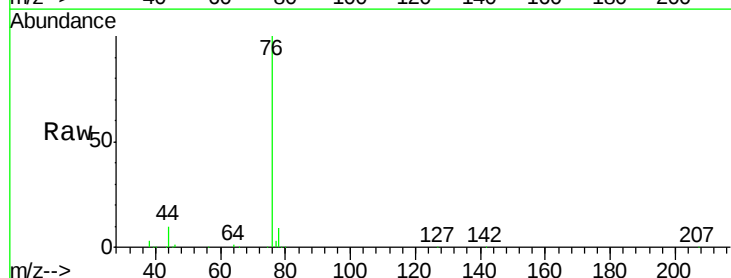
Acq: 16 Aug 2019 14:40

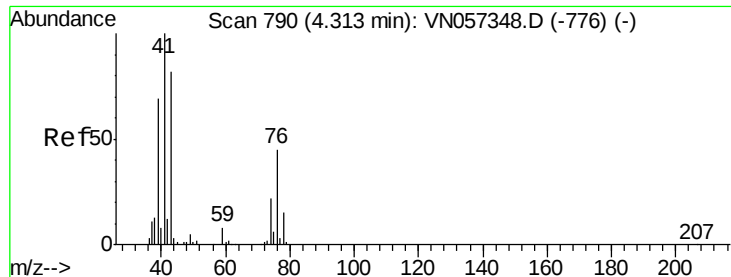
Tgt Ion: 76 Resp: 439240

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

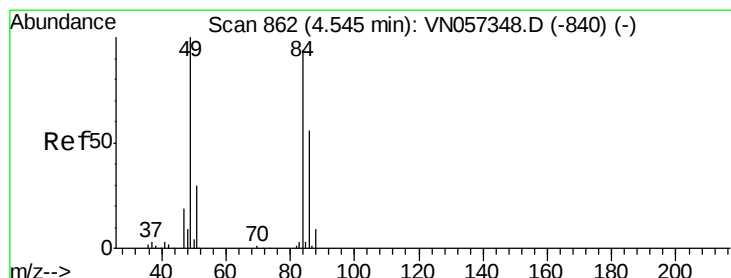
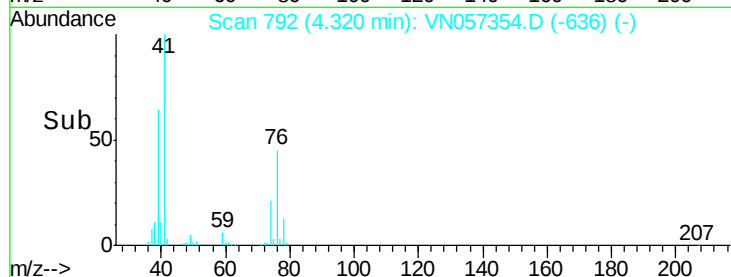
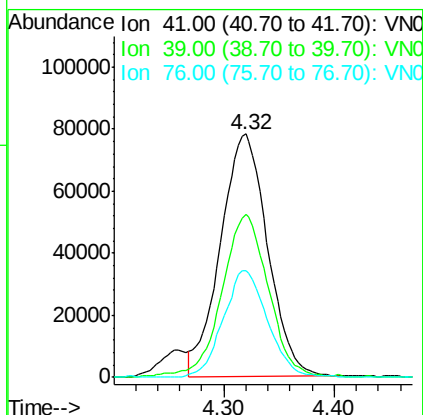
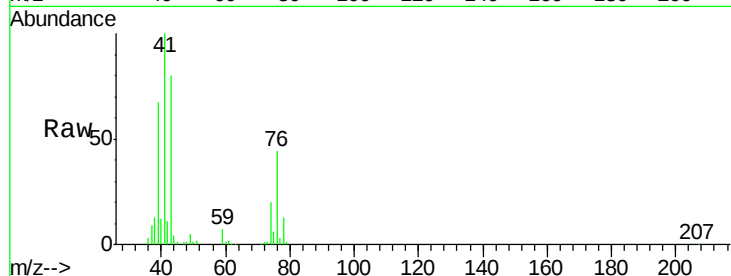




#17
Allvl chloride
Concen: 19.817 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

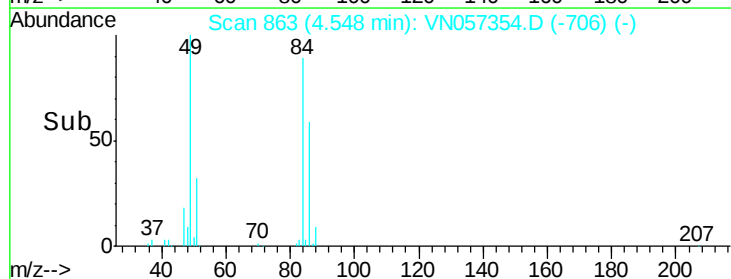
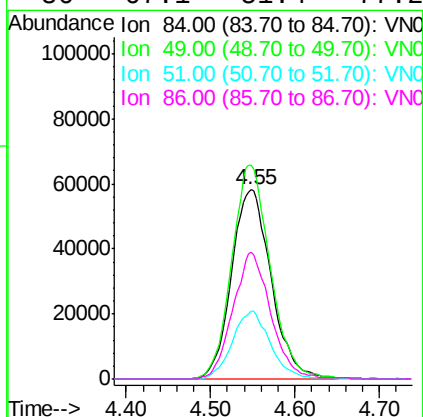
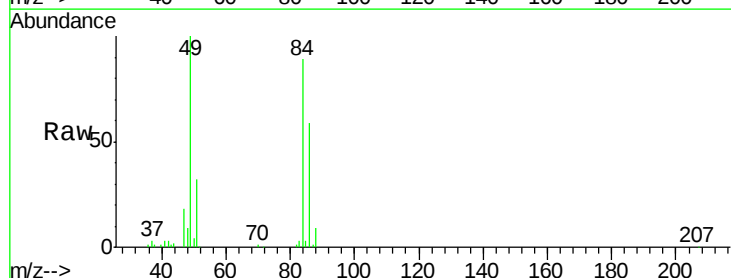
Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

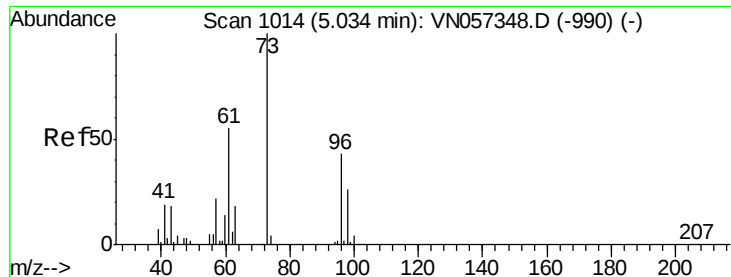
Tot Ion: 41 Resp: 231785
Ion Ratio Lower Upper
41 100
39 66.4 32.8 98.4
76 43.8 18.5 55.5



#18
Methylene Chloride
Concen: 20.771 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 84 Resp: 190367
Ion Ratio Lower Upper
84 100
49 112.9 93.9 140.9
51 36.0 31.7 47.5
86 67.1 51.4 77.2

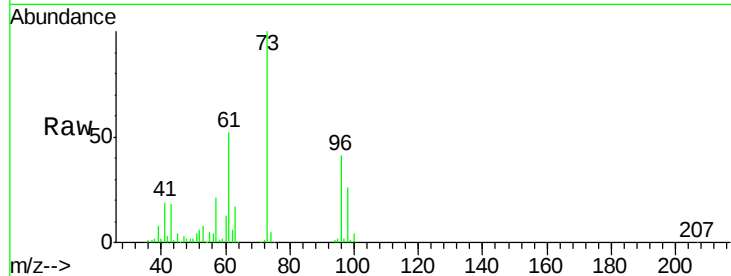




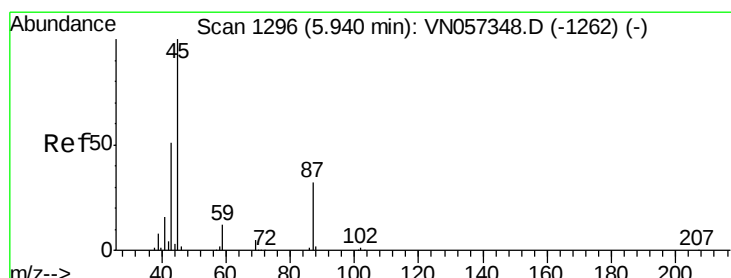
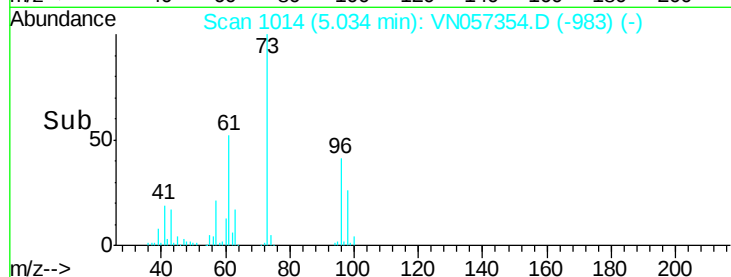
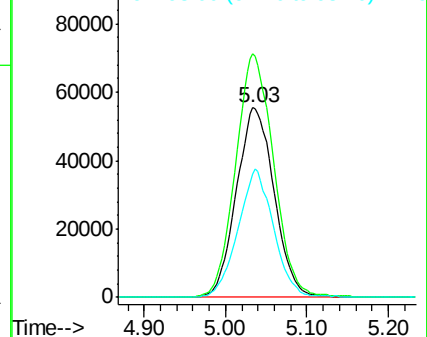
#19
trans-1,2-Dichloroethene
Concen: 20.576 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion: 96 Resp: 178422
Ion Ratio Lower Upper
96 100
61 128.4 109.6 164.4
98 64.9 51.4 77.2

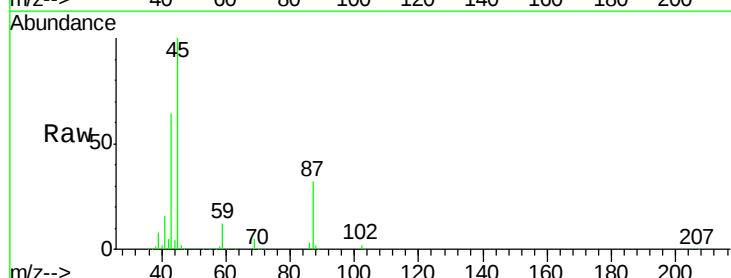


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

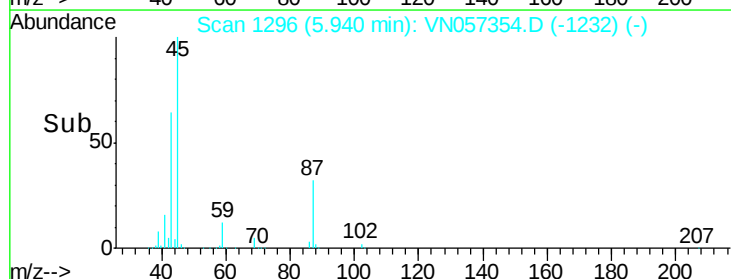
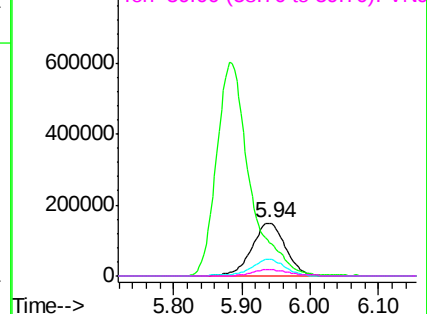


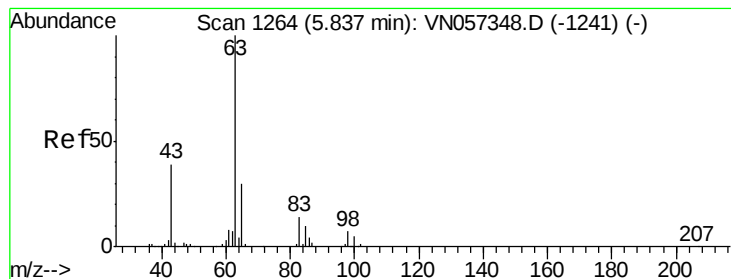
#20
Diisopropyl ether
Concen: 20.965 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 45 Resp: 510595
Ion Ratio Lower Upper
45 100
43 62.5 50.3 75.5
87 31.7 21.4 32.0
59 11.9 9.7 14.5



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





#21

1,1-Dichloroethane

Concen: 20.414 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

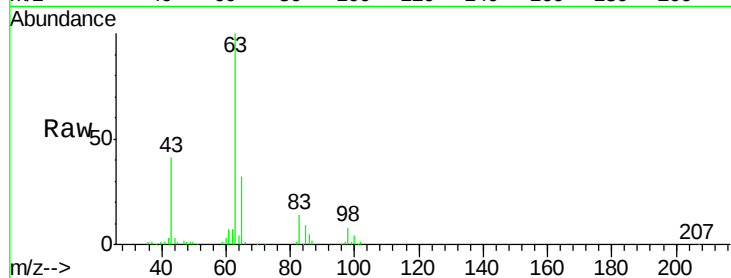
Tot Ion: 63 Resp: 307208

Ion Ratio Lower Upper

63 100

98 8.0 3.3 9.8

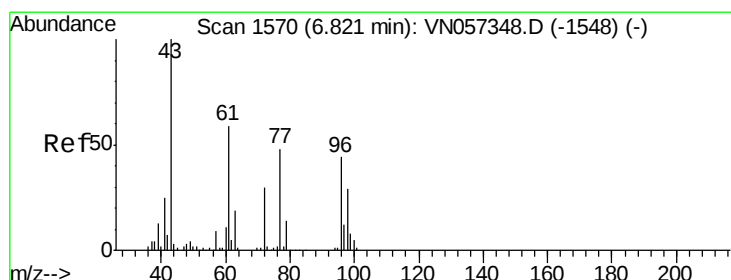
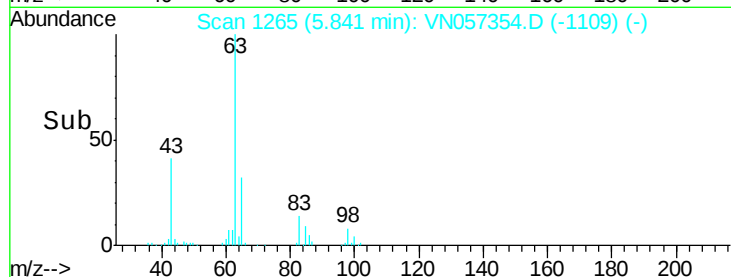
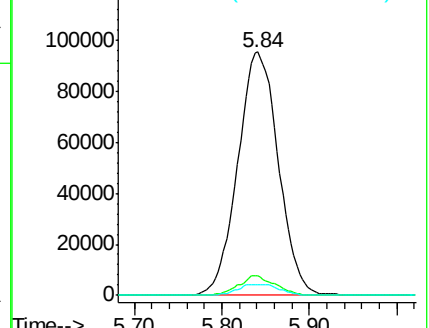
100 4.3 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.374 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

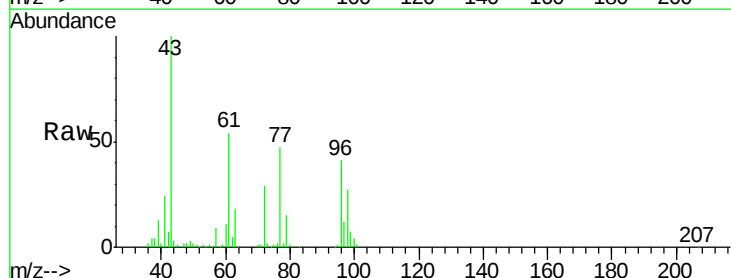
Tgt Ion: 96 Resp: 204723

Ion Ratio Lower Upper

96 100

61 135.3 112.1 168.1

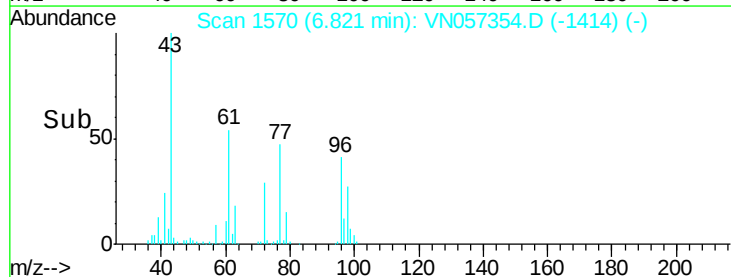
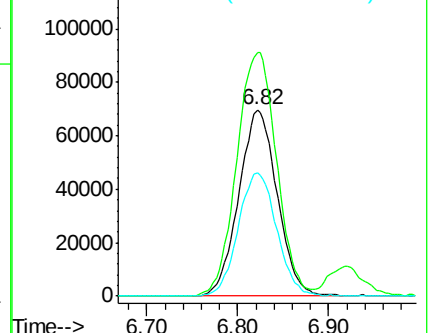
98 66.0 52.2 78.2

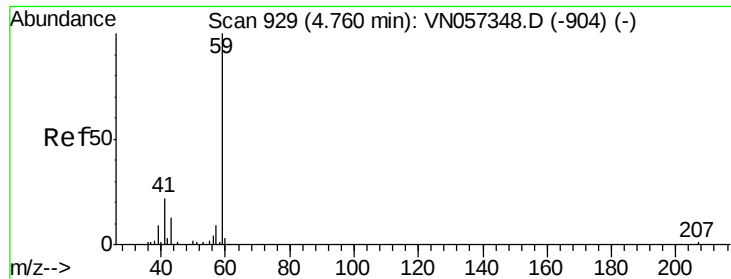


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 109.478 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

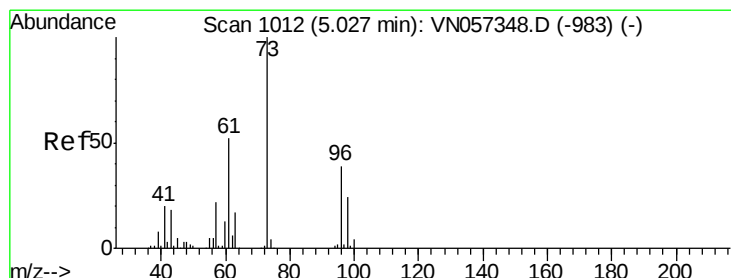
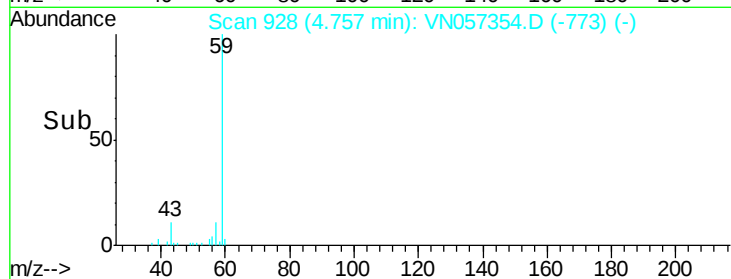
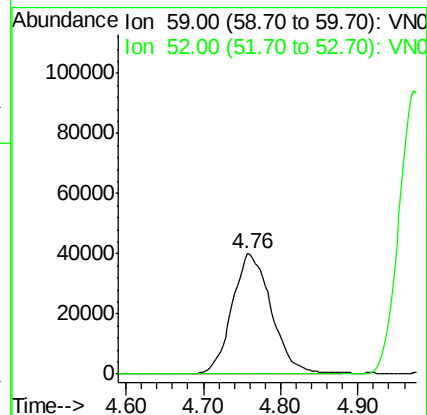
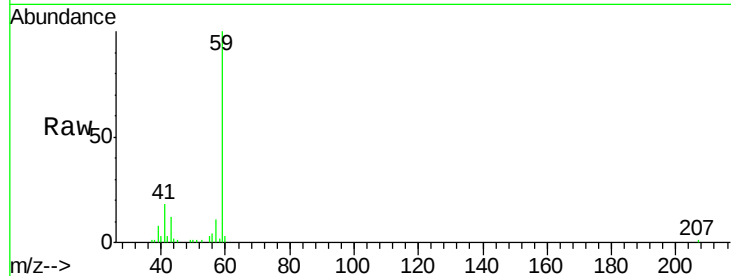
VN0817WBS01

Tot Ion: 59 Resp: 142287

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.731 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057354.D

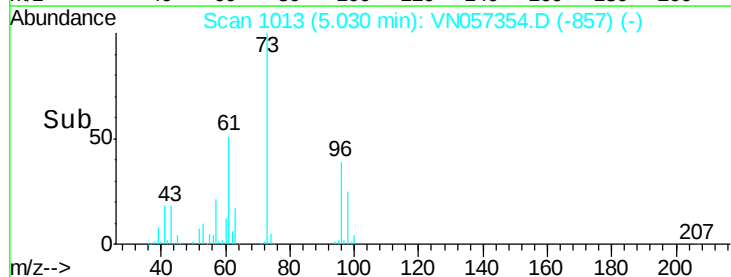
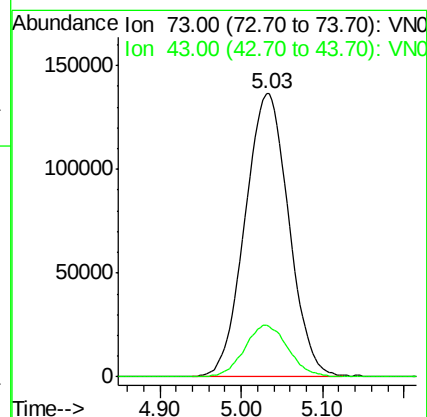
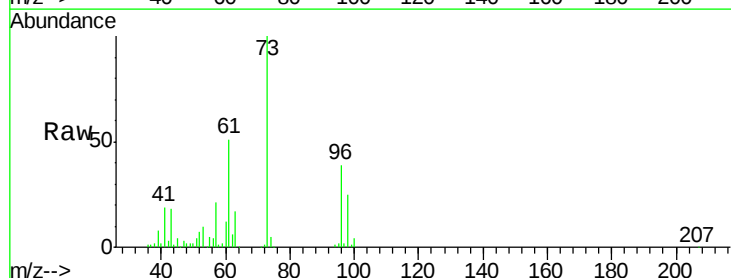
Acq: 16 Aug 2019 14:40

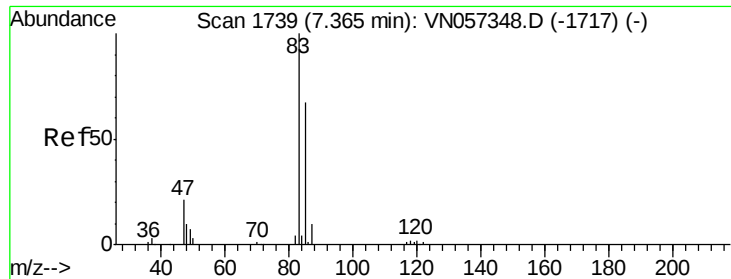
Tgt Ion: 73 Resp: 509452

Ion Ratio Lower Upper

73 100

43 18.0 15.1 22.7





#25

Chloroform

Concen: 20.348 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

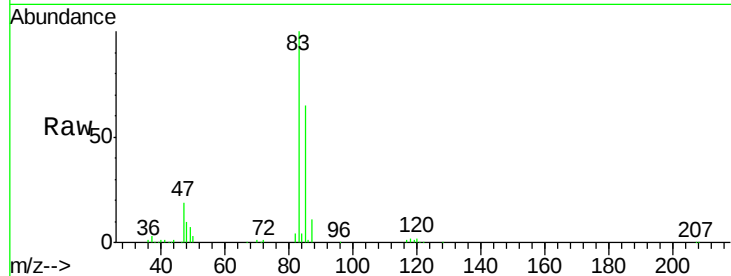
VN0817WBS01

Tot Ion: 83 Resp: 320054

Ion Ratio Lower Upper

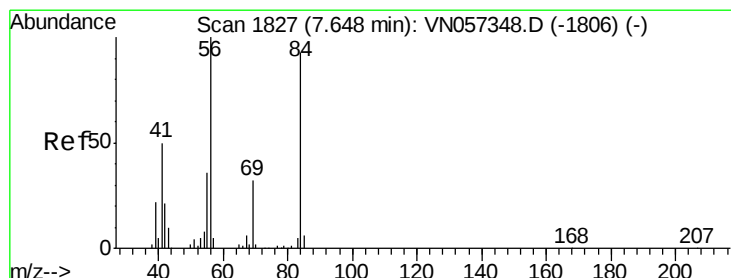
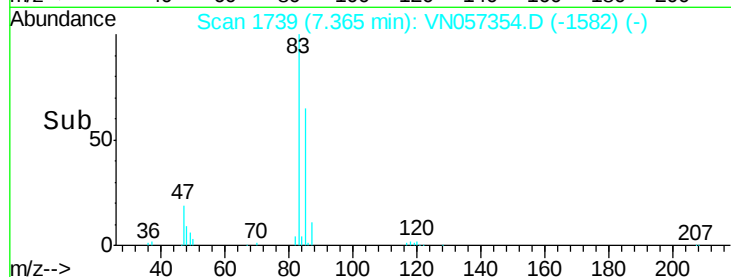
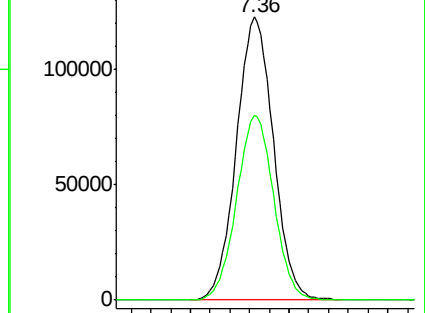
83 100

85 65.2 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.958 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

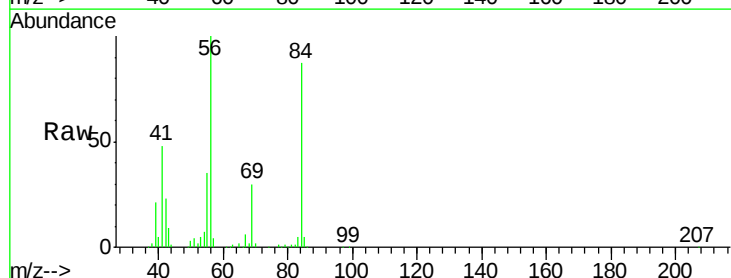
Tgt Ion: 56 Resp: 262173

Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

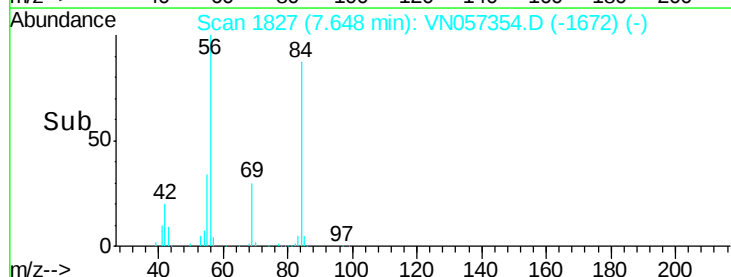
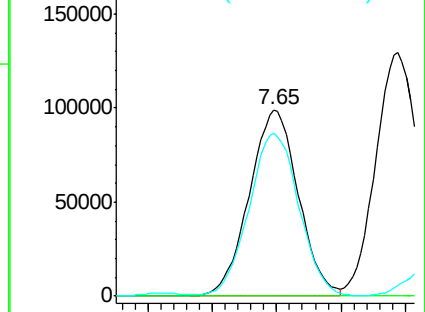
84 89.3 68.2 102.4

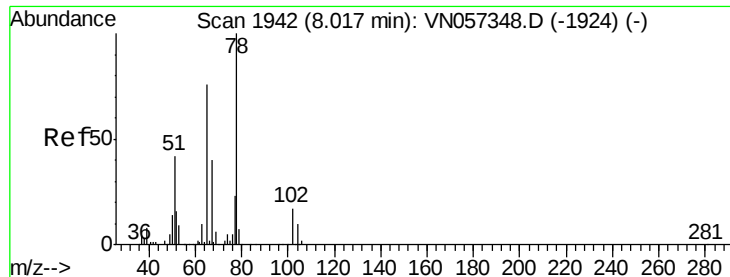


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.467 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

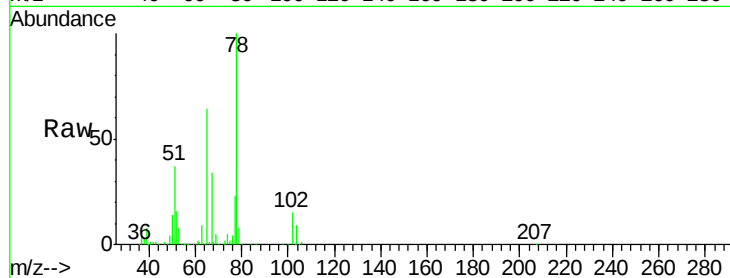
VN0817WBS01

Tot Ion: 65 Resp: 290789

Ion Ratio Lower Upper

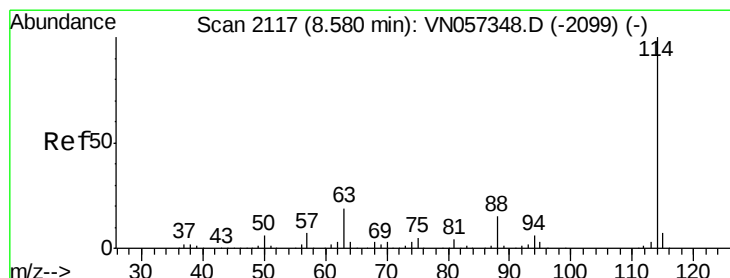
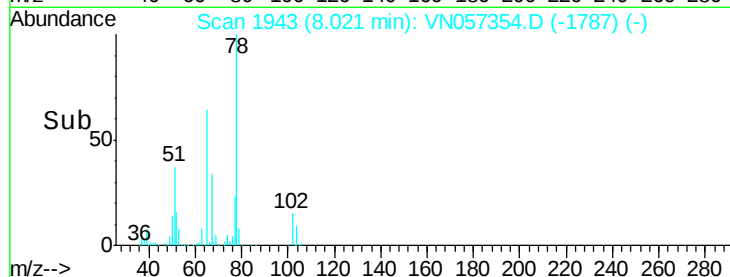
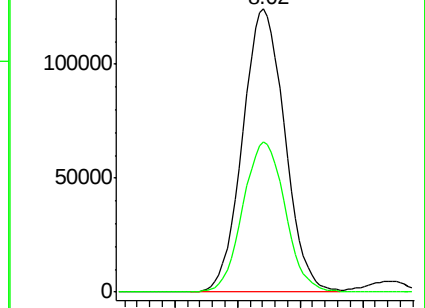
65 100

67 53.3 43.4 65.0



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

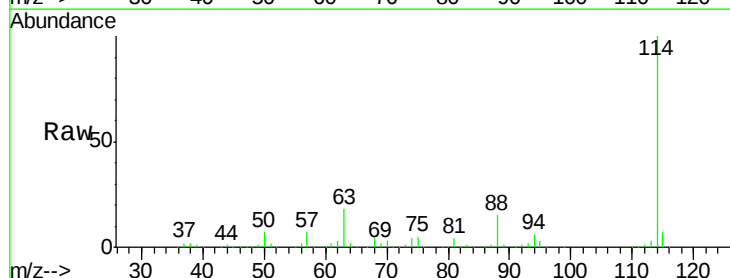
Tgt Ion: 114 Resp: 816897

Ion Ratio Lower Upper

114 100

63 18.7 16.2 24.2

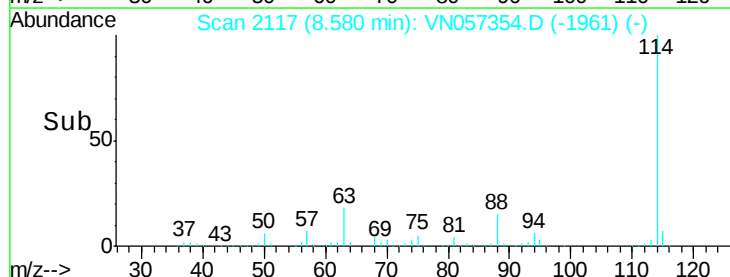
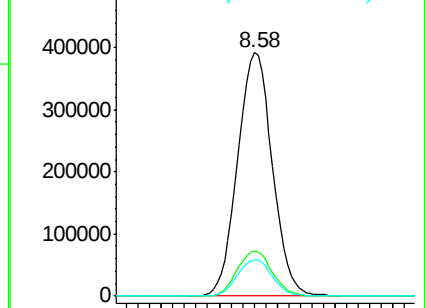
88 15.2 12.3 18.5

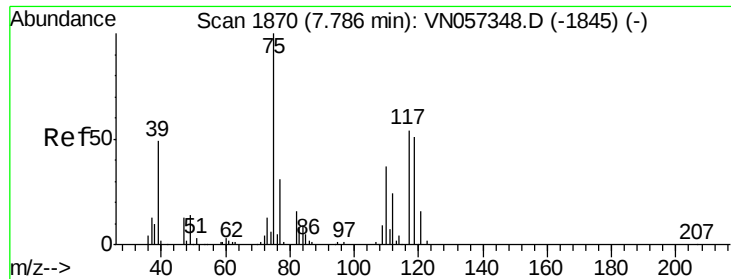


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

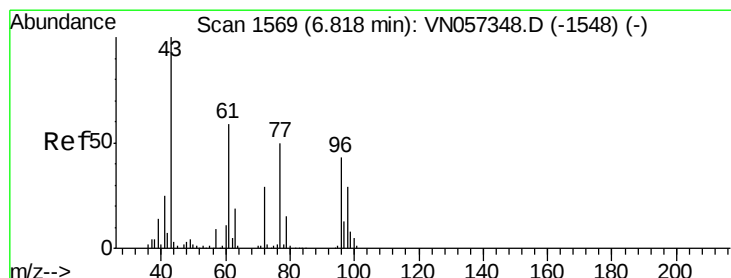
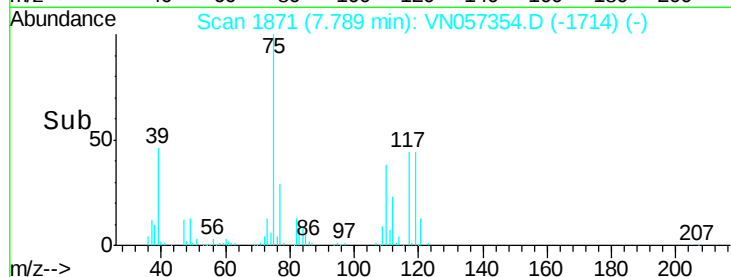
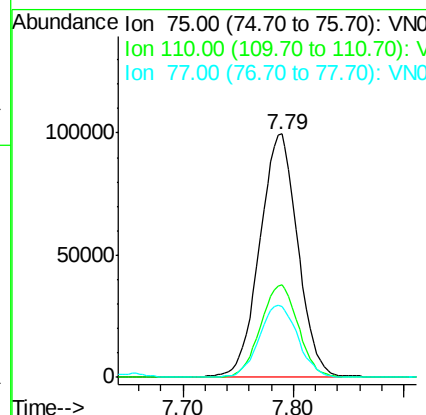
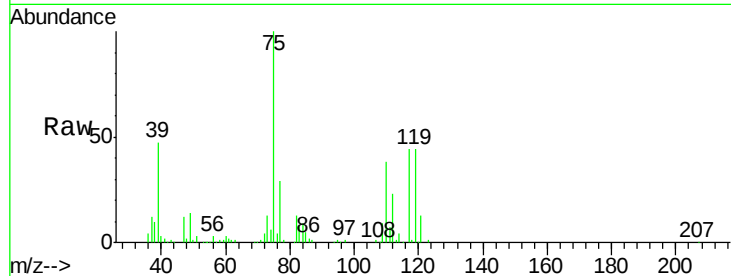




#29
 1,1-Dichloropropene
 Concen: 19.985 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

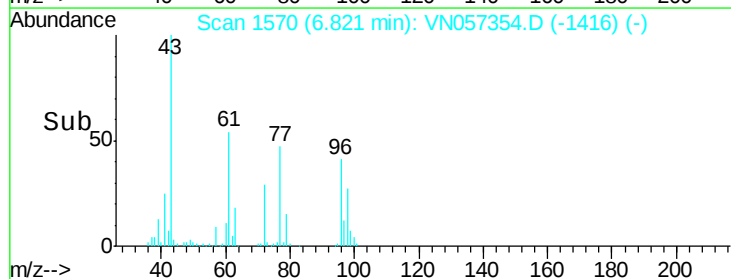
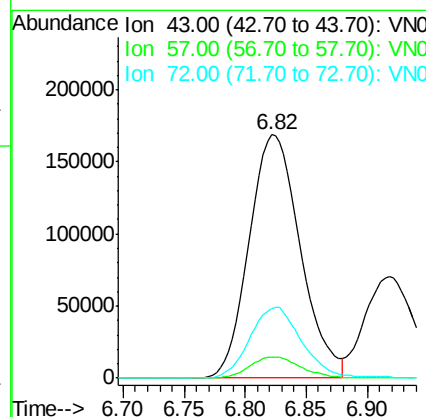
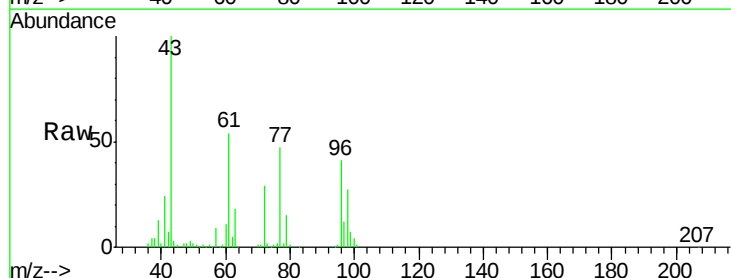
Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

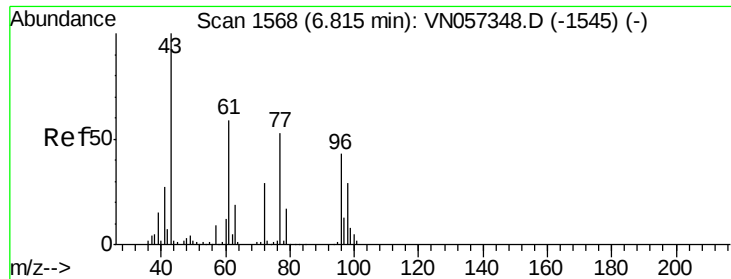
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.8	0.0	72.4
77	30.2	0.0	62.2



#30
 2-Butanone
 Concen: 104.385 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.6	10.0
72	29.6	21.3	31.9

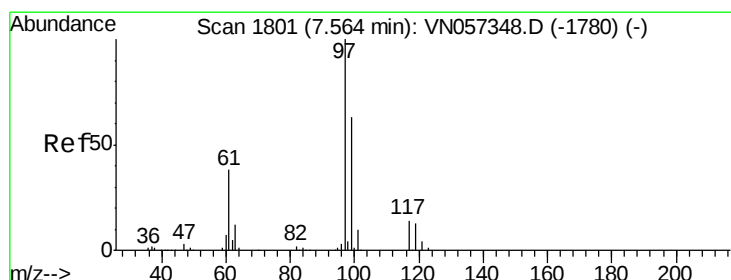
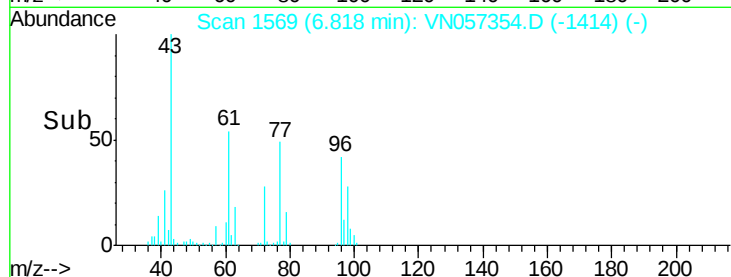
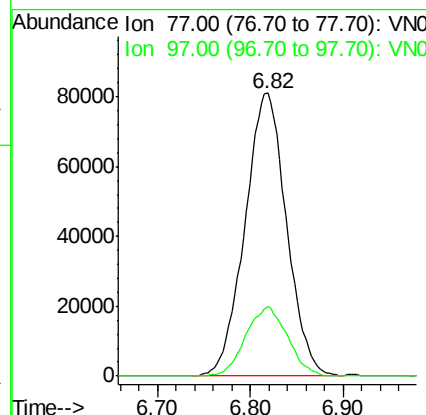
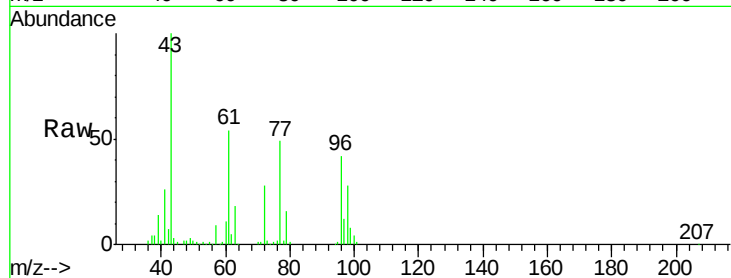




#31
 2,2-Dichloropropane
 Concen: 19.387 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

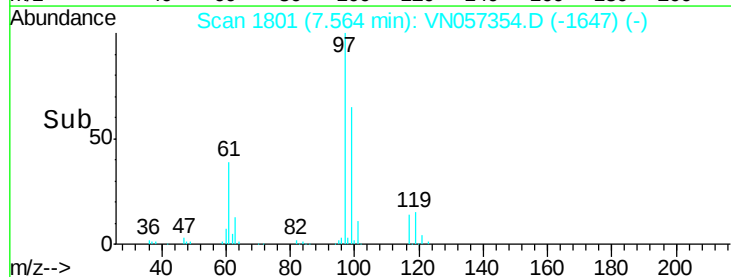
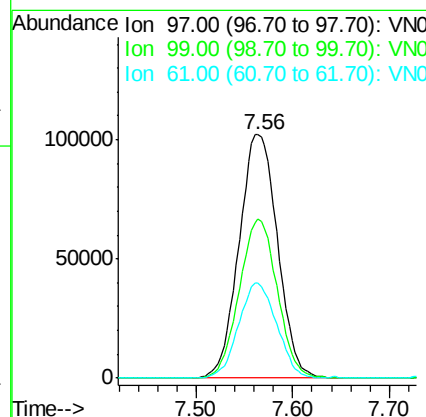
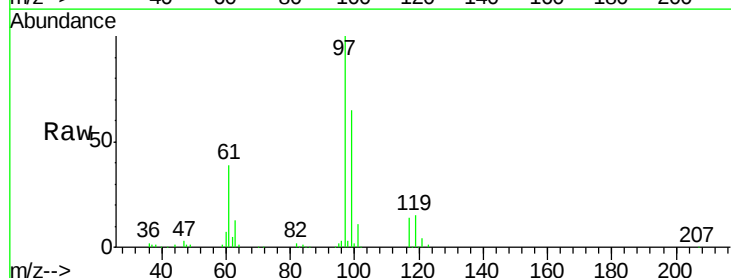
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

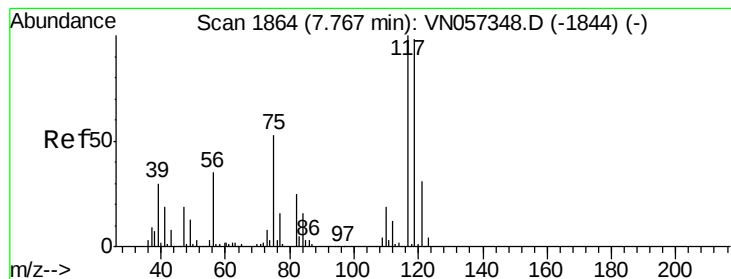
Tot Ion: 77 Resp: 252366
 Ion Ratio Lower Upper
 77 100
 97 24.7 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 20.121 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Tgt Ion: 97 Resp: 282656
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.0 78.0
 61 38.6 34.4 51.6





#33

Carbon Tetrachloride

Concen: 19.825 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

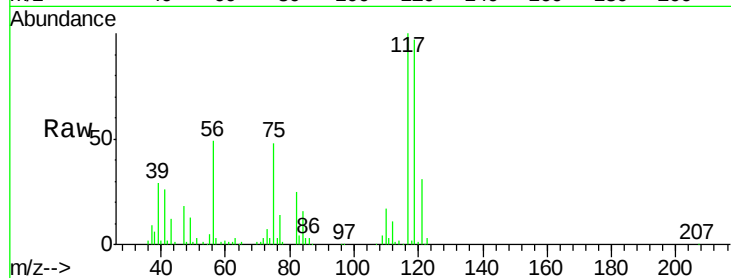
Tot Ion:117 Resp: 247983

Ion Ratio Lower Upper

117 100

119 96.3 78.7 118.1

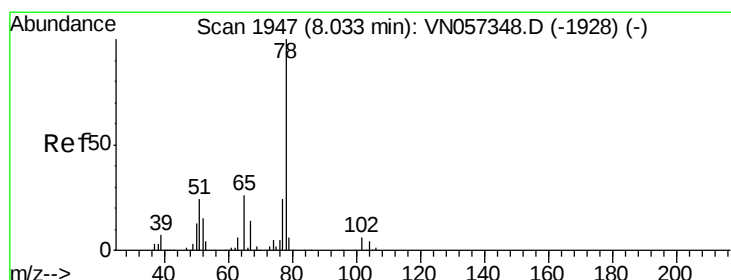
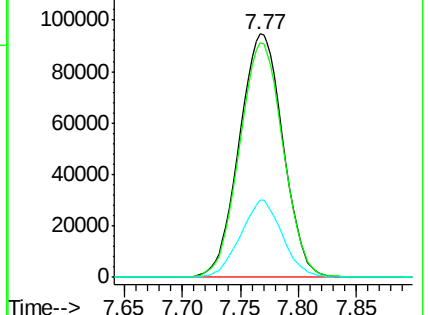
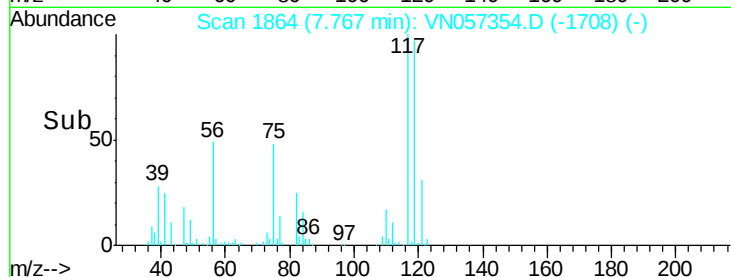
121 31.5 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.303 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

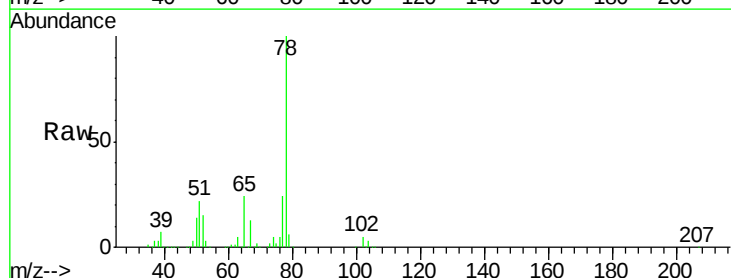
Tgt Ion: 78 Resp: 731905

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

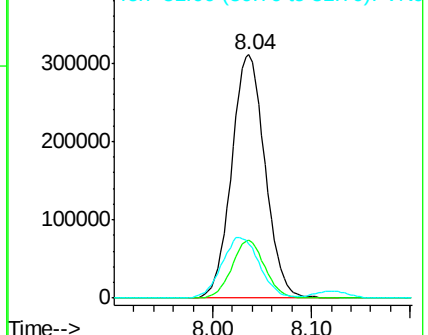
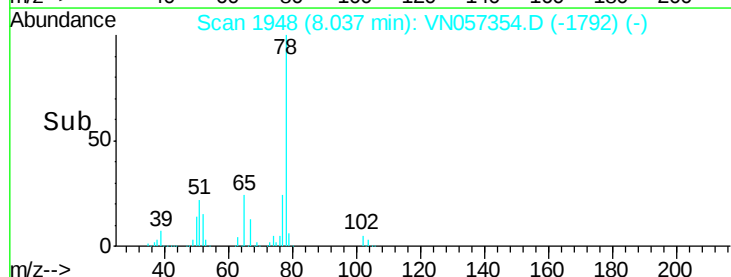
51 22.2 19.7 29.5

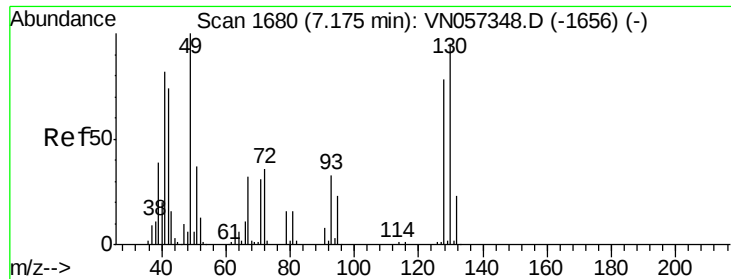


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

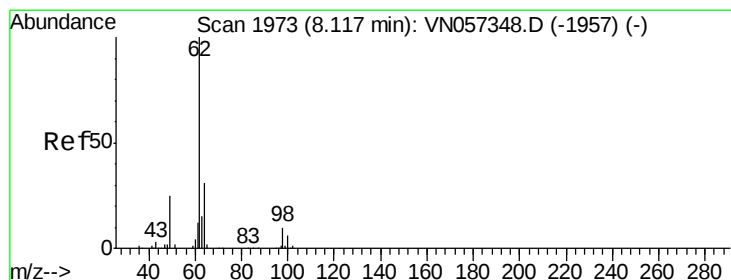
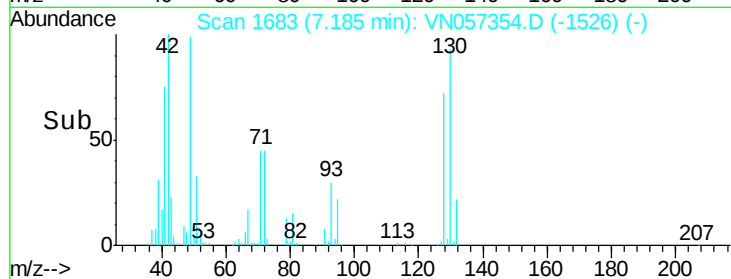
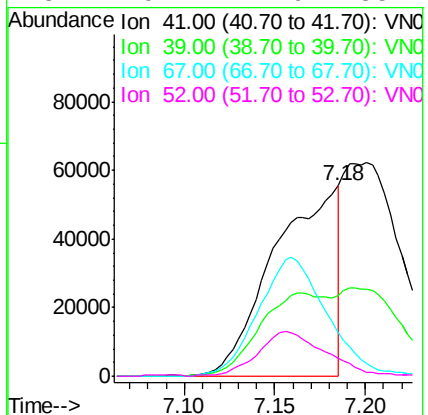
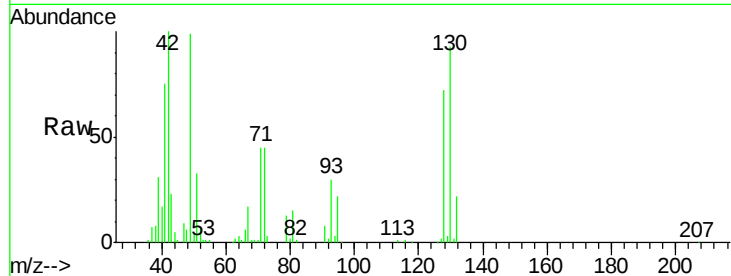




#35
Methacrylonitrile
Concen: 21.259 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

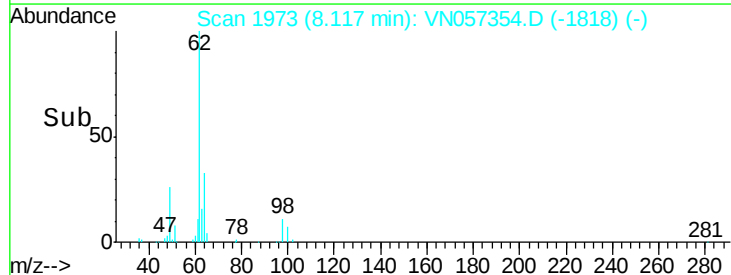
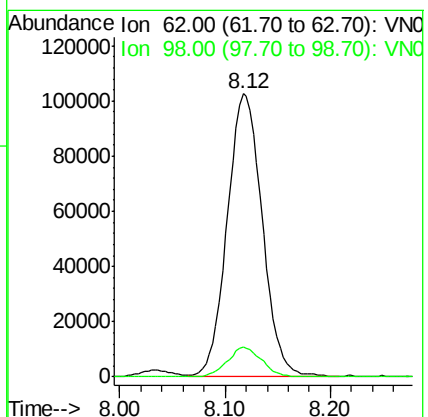
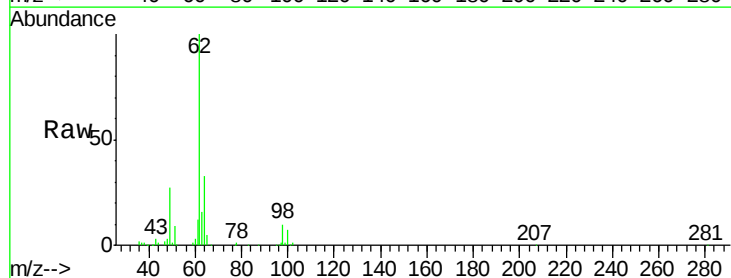
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

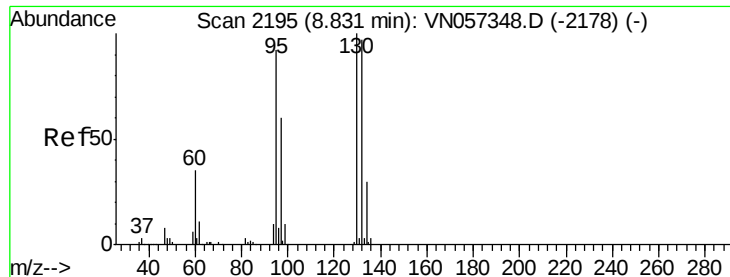
Tot Ion: 41 Resp: 136168
Ion Ratio Lower Upper
41 100
39 42.1 25.4 76.2
67 23.2 33.6 100.8#
52 9.7 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 20.194 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 62 Resp: 236592
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#37

Trichloroethene

Concen: 19.723 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

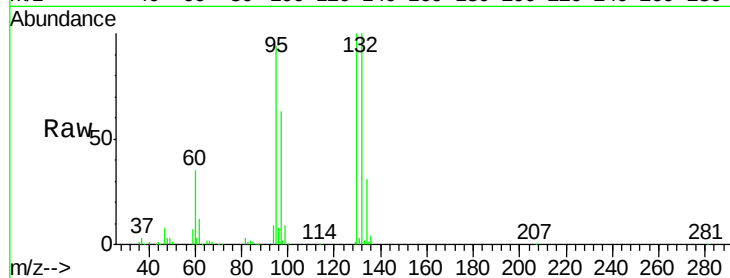
VN0817WBS01

Tot Ion:130 Resp: 206966

Ion Ratio Lower Upper

130 100

95 94.1 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

100000

80000

60000

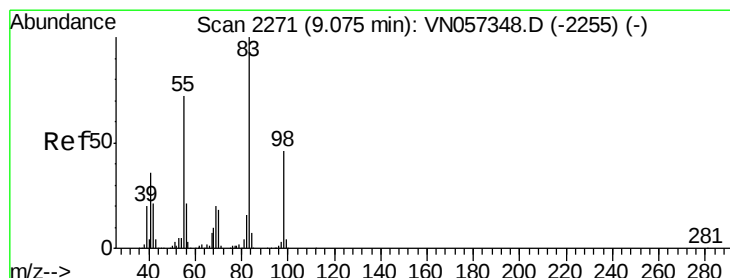
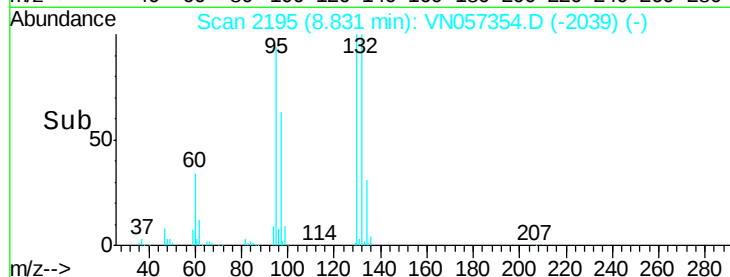
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 20.034 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.01 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

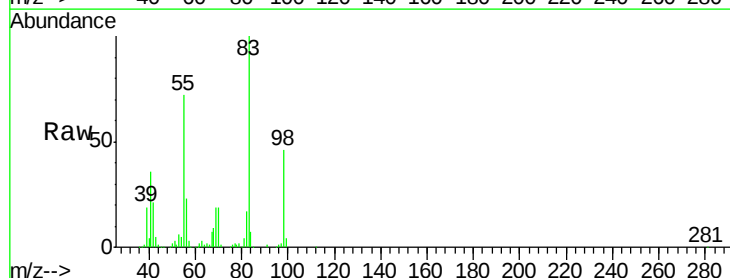
Tgt Ion: 83 Resp: 281939

Ion Ratio Lower Upper

83 100

55 72.4 38.4 115.2

98 46.6 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

150000

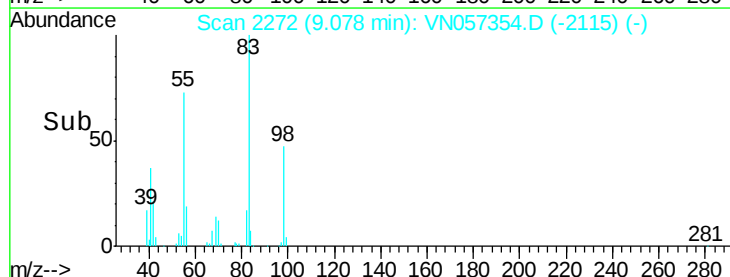
100000

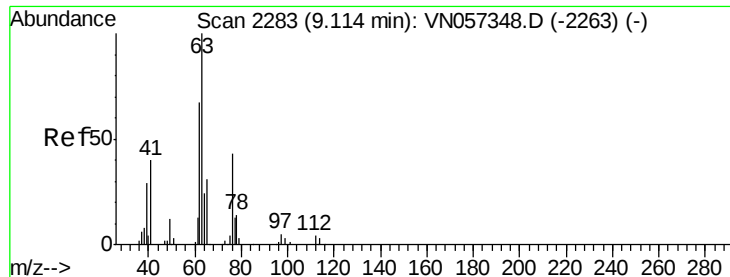
50000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 20.574 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

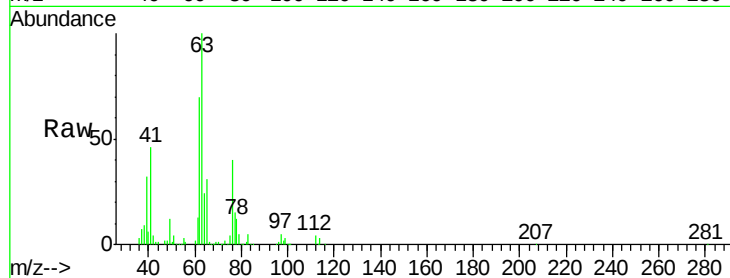
VN0817WBS01

Tot Ion: 63 Resp: 189566

Ion Ratio Lower Upper

63 100

65 30.8 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.11

100000

80000

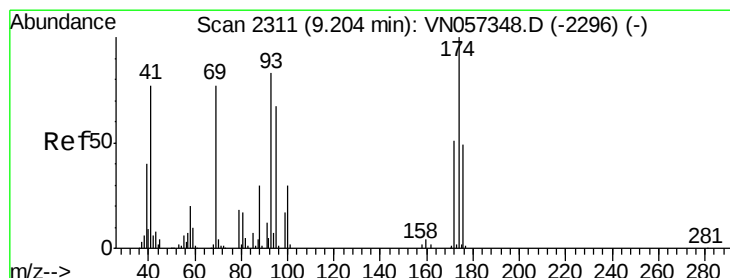
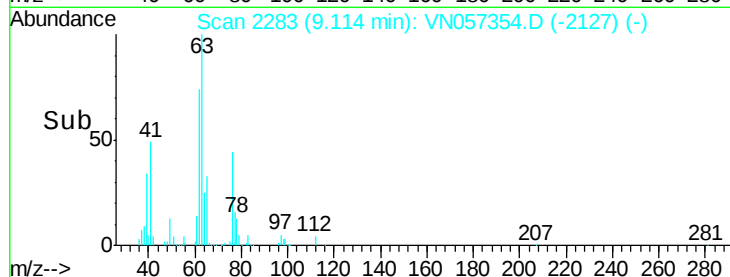
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 20.500 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

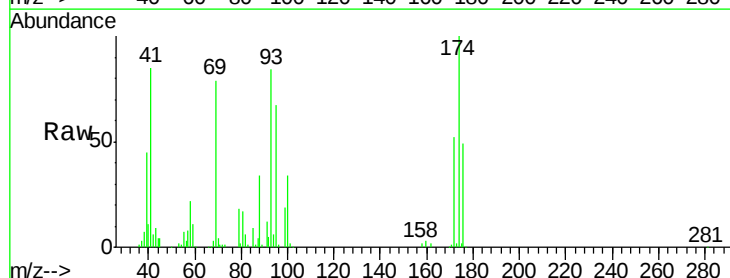
Tgt Ion: 93 Resp: 125655

Ion Ratio Lower Upper

93 100

95 82.7 0.0 167.0

174 121.8 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

100000

80000

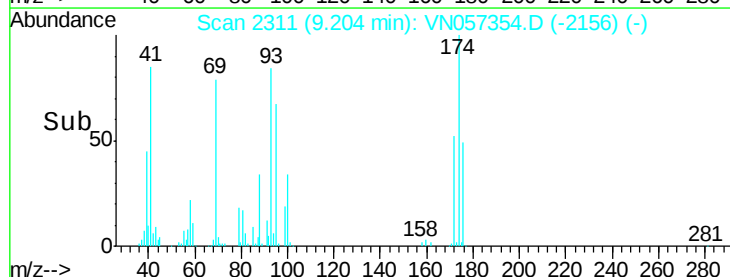
60000

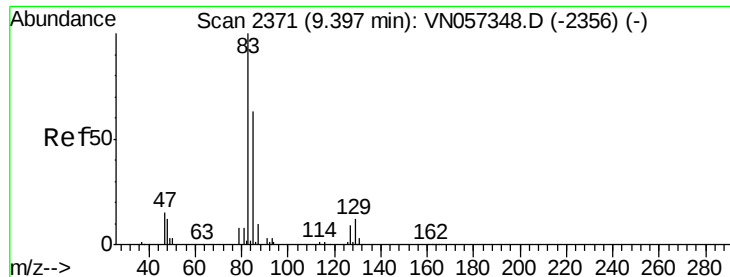
40000

20000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#41

Bromodichloromethane

Concen: 20.265 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

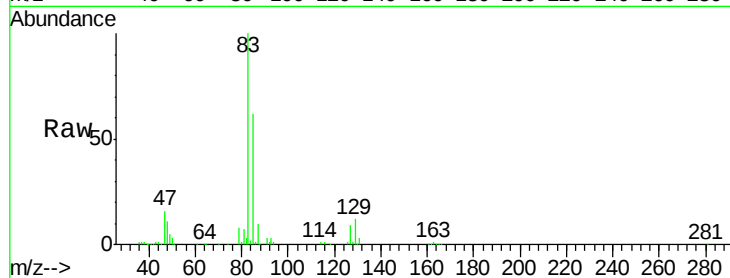
Tot Ion: 83 Resp: 251695

Ion Ratio Lower Upper

83 100

85 61.8 50.1 75.1

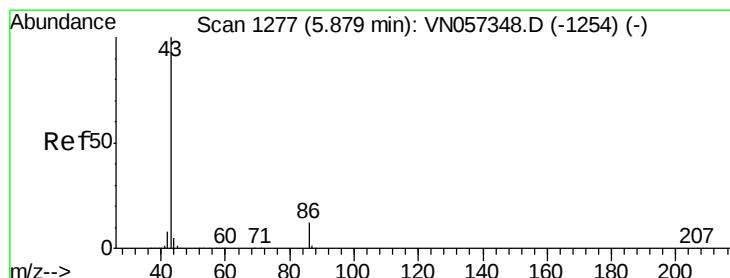
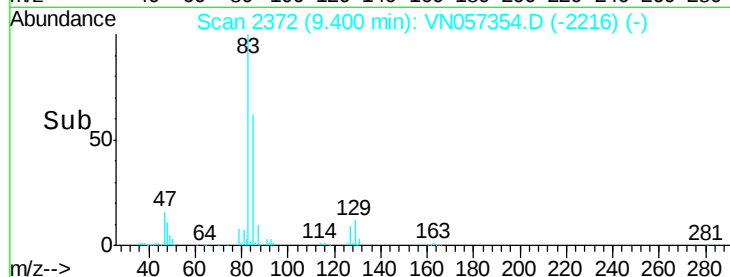
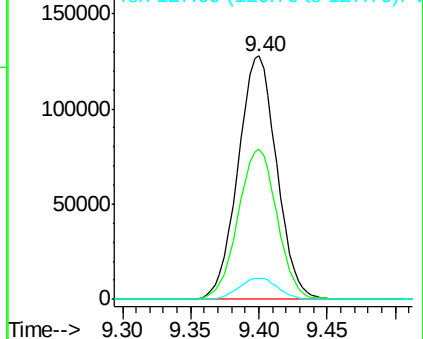
127 8.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 103.060 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VN057354.D

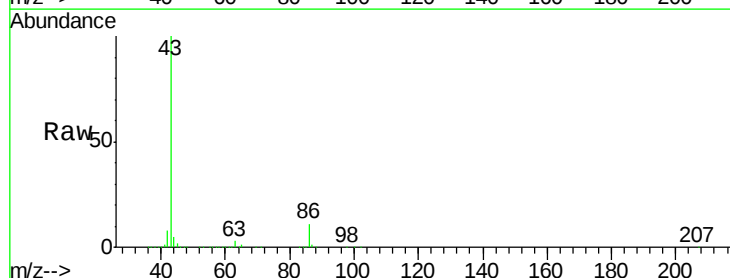
Acq: 16 Aug 2019 14:40

Tgt Ion: 43 Resp: 2033074

Ion Ratio Lower Upper

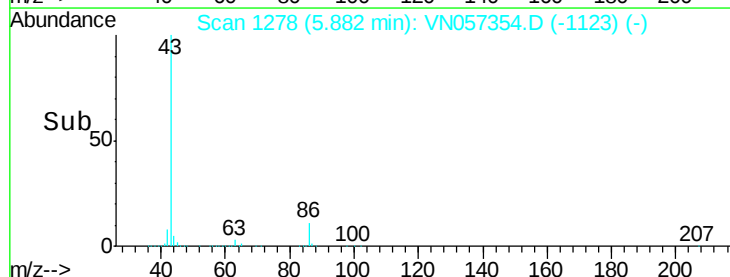
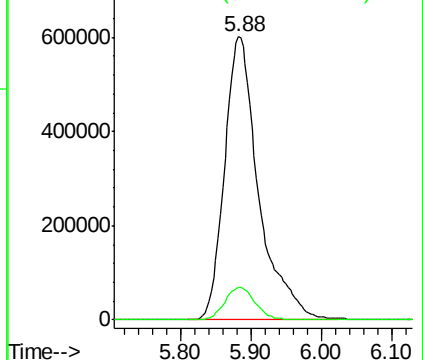
43 100

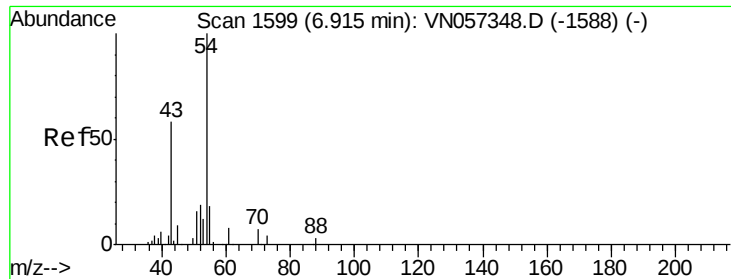
86 10.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

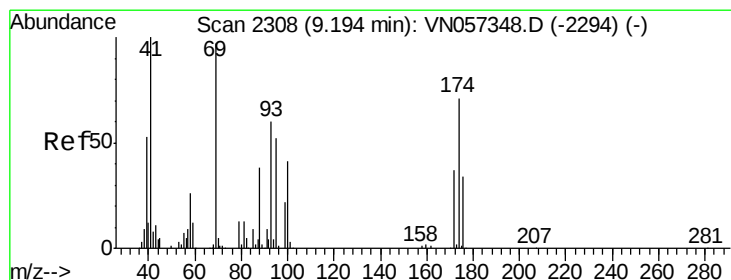
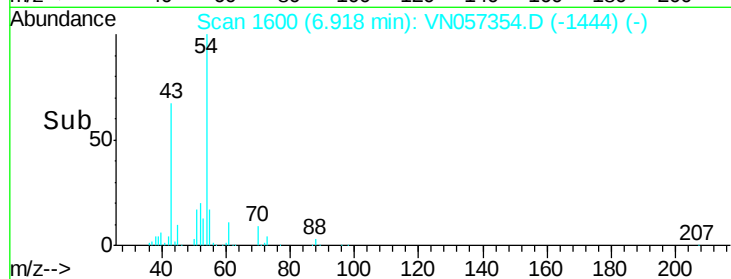
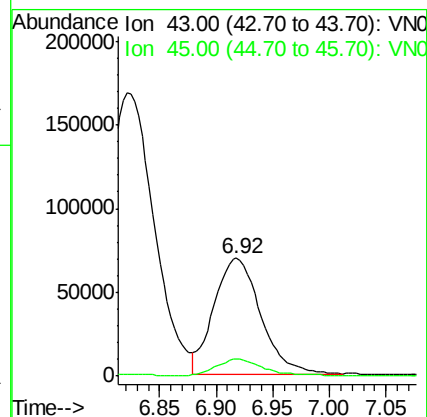
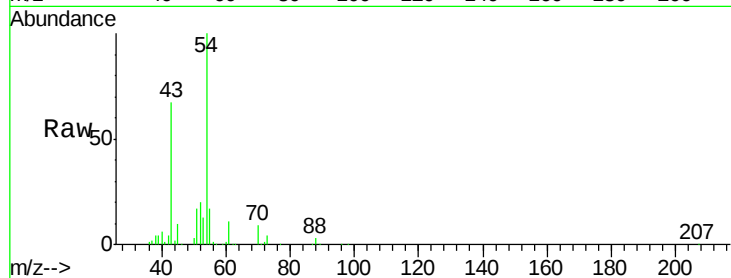




#43
Ethyl Acetate
Concen: 20.940 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

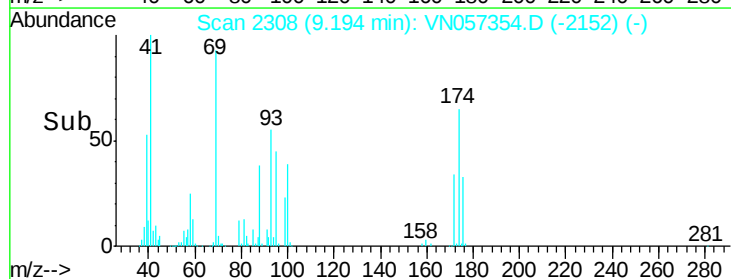
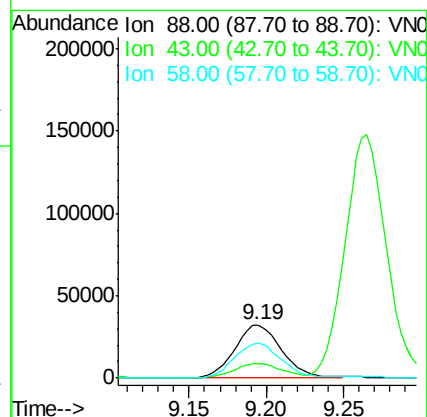
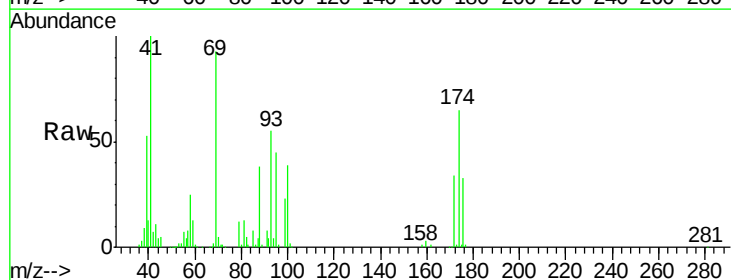
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

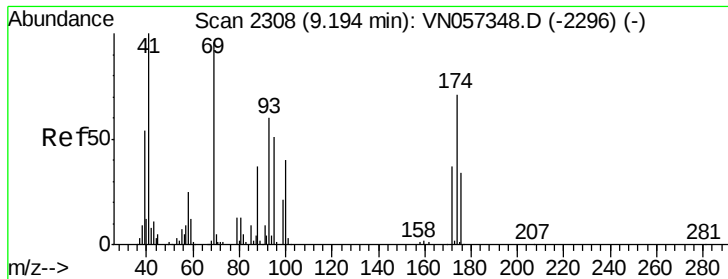
Tot Ion: 43 Resp: 201421
Ion Ratio Lower Upper
43 100
45 14.7 11.2 16.8



#45
1,4-Dioxane
Concen: 428.469 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 88 Resp: 68367
Ion Ratio Lower Upper
88 100
43 26.1 23.0 34.6
58 65.2 54.6 81.8

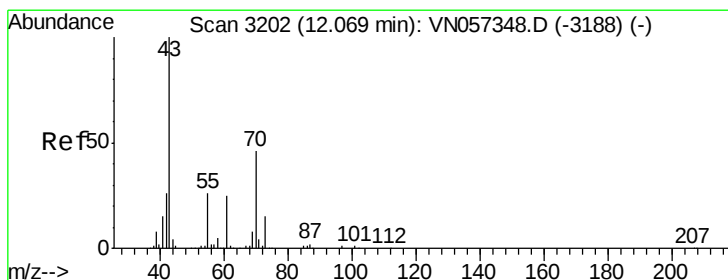
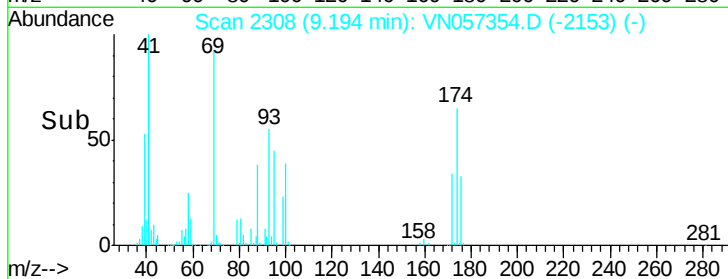
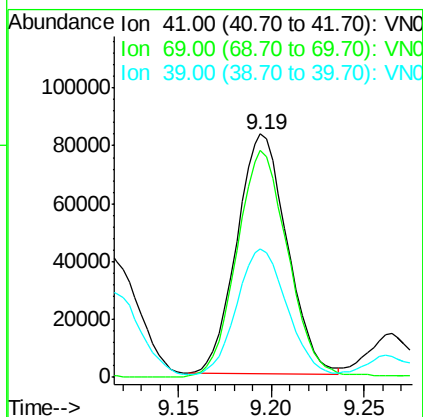
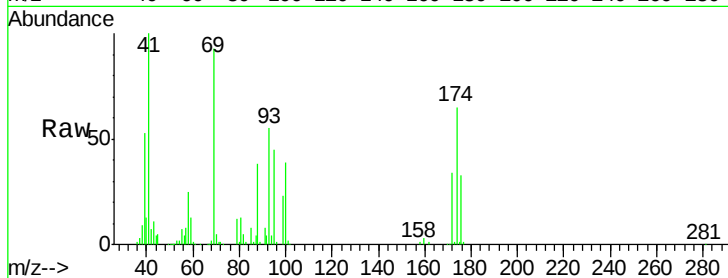




#46
Methvl methacrylate
Concen: 20.554 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

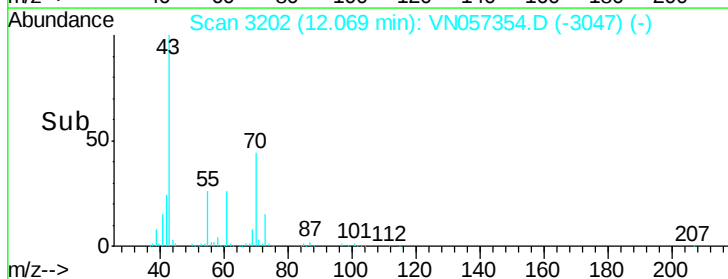
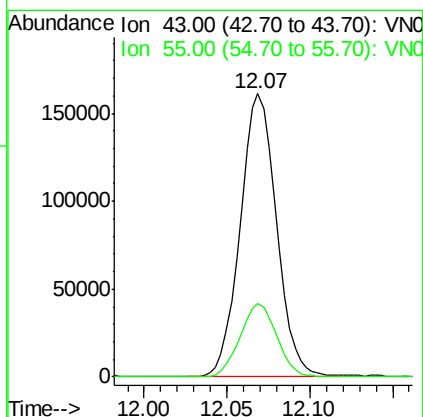
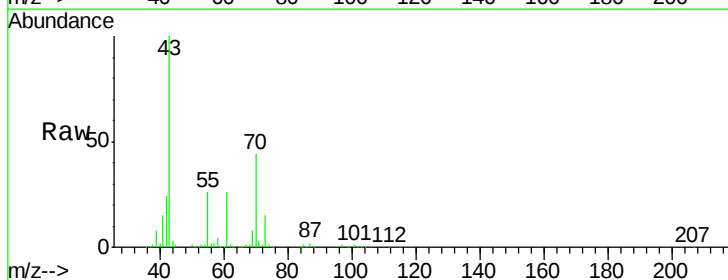
Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

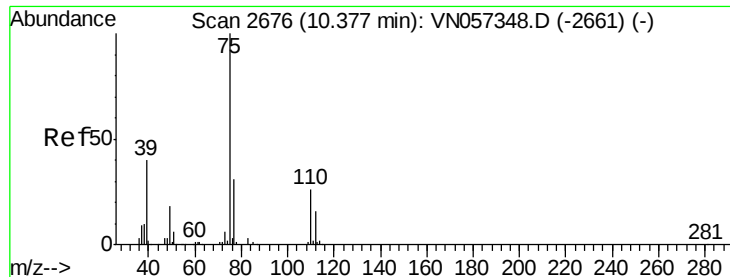
Tot Ion: 41 Resp: 156007
Ion Ratio Lower Upper
41 100
69 94.4 43.0 129.0
39 52.7 25.1 75.4



#47
n-aml Acetate
Concen: 19.508 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion: 43 Resp: 243983
Ion Ratio Lower Upper
43 100
55 26.2 20.7 31.1





#48

t-1,3-Dichloropropene

Concen: 19.975 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

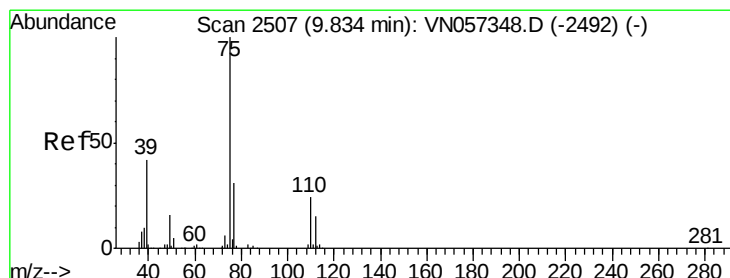
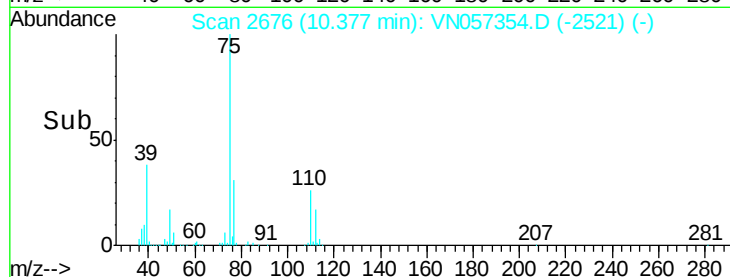
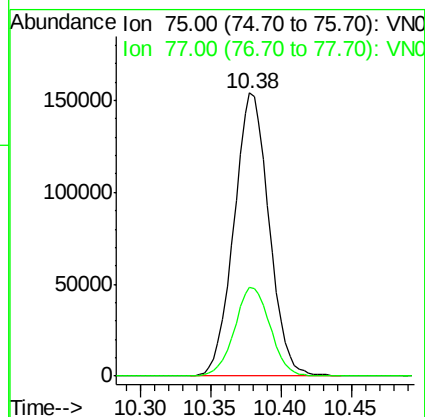
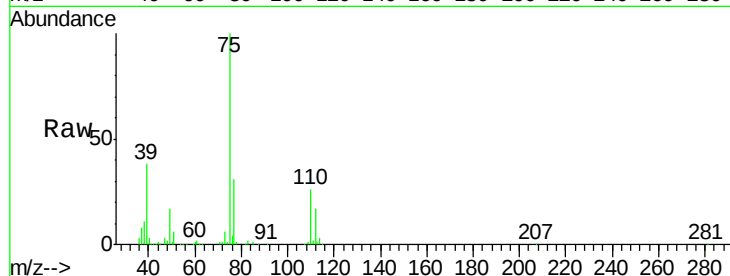
VN0817WBS01

Tot Ion: 75 Resp: 268401

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#49

cis-1,3-Dichloropropene

Concen: 20.036 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

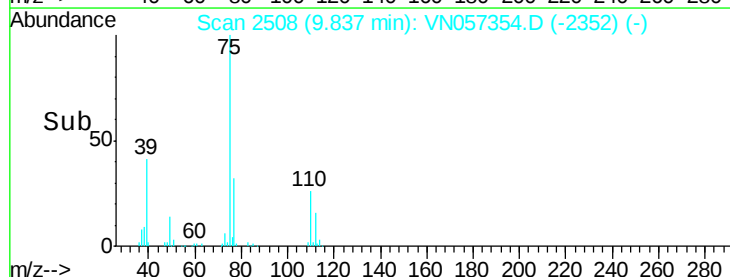
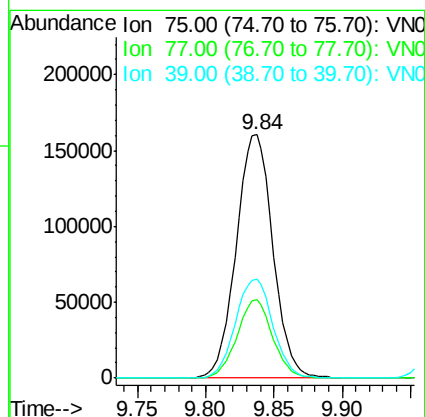
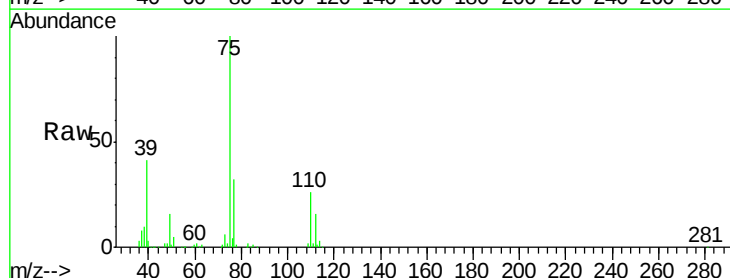
Tgt Ion: 75 Resp: 299749

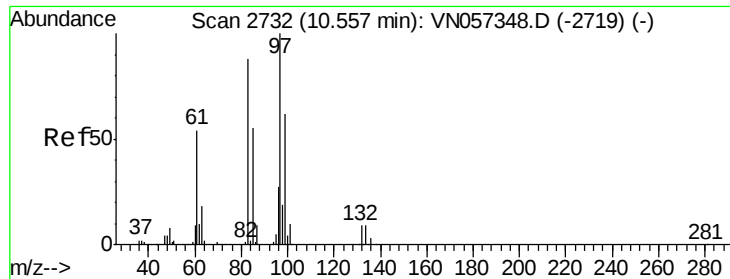
Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0

39 40.7 36.2 54.4





#50

1,1,2-Trichloroethane

Concen: 20.300 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS01

Tot Ion: 97 Resp: 181593

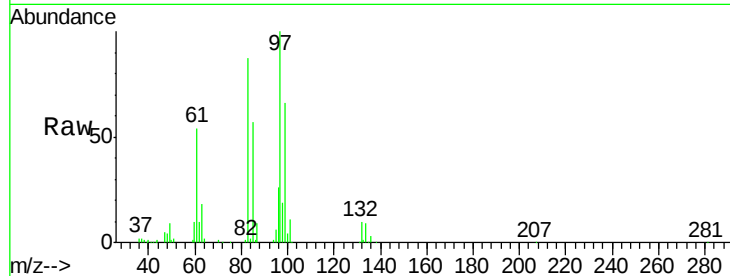
Ion Ratio Lower Upper

97 100

83 86.6 69.2 103.8

85 57.0 45.3 67.9

99 65.8 51.6 77.4

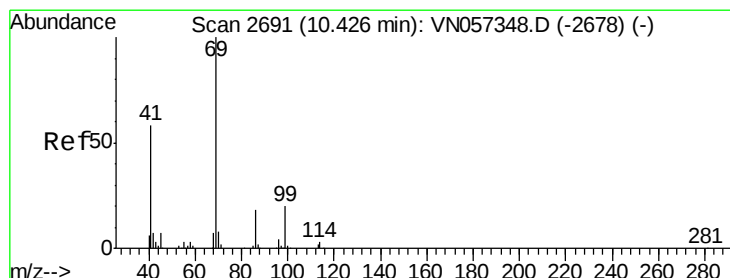
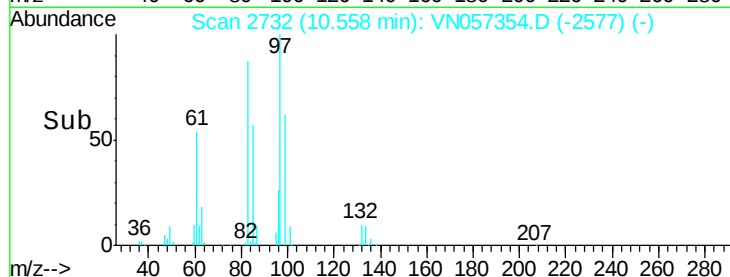
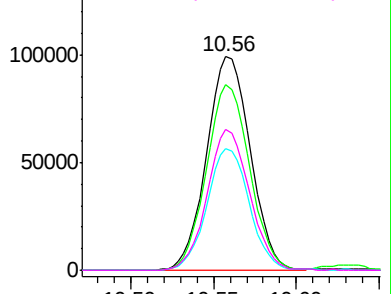


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 20.268 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

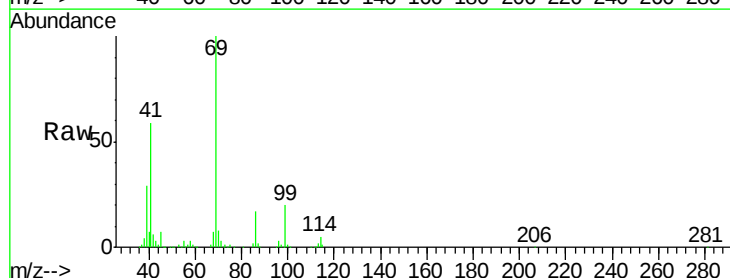
Tgt Ion: 69 Resp: 262831

Ion Ratio Lower Upper

69 100

41 58.9 32.8 98.3

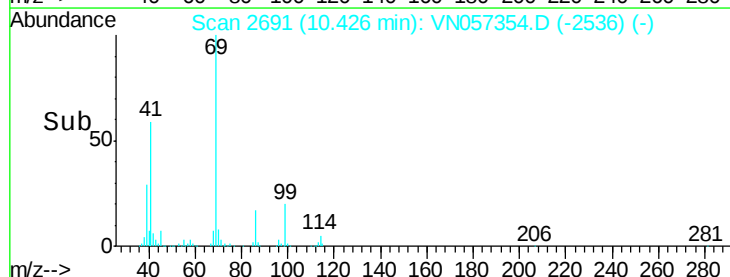
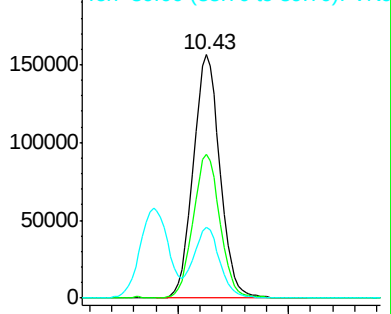
39 28.8 15.4 46.2

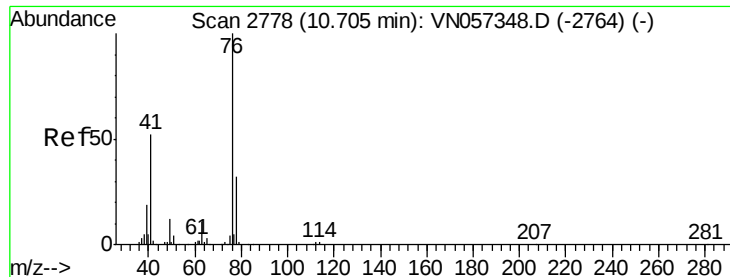


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 20.383 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

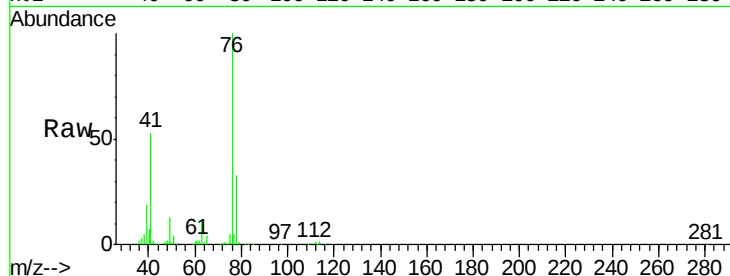
VN0817WBS01

Tot Ion: 76 Resp: 297782

Ion Ratio Lower Upper

76 100

78 32.7 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-2764) (-)

10.71

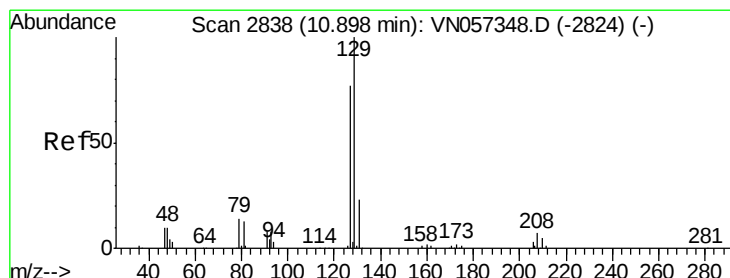
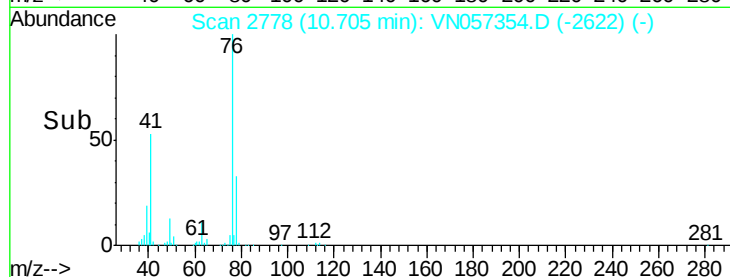
150000

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 20.032 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057354.D

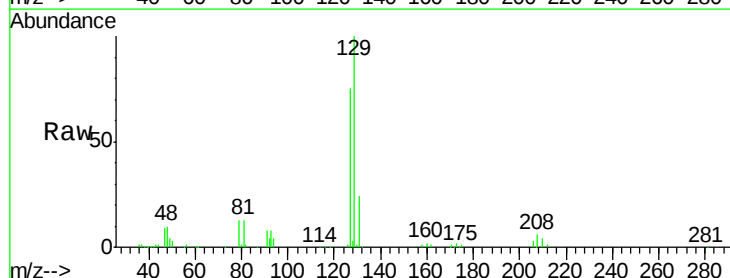
Acq: 16 Aug 2019 14:40

Tgt Ion: 129 Resp: 206164

Ion Ratio Lower Upper

129 100

127 75.9 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): VN057348.D (-2824) (-)

Ion 127.00 (126.70 to 127.70): VN057348.D (-2824) (-)

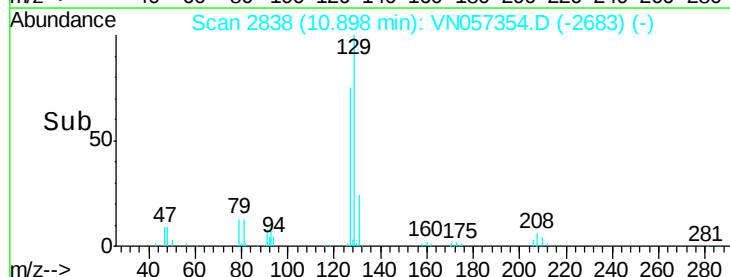
10.90

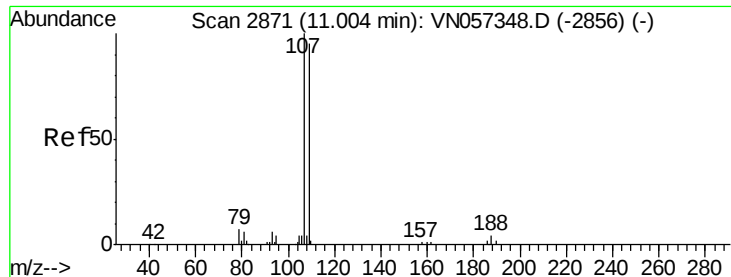
100000

50000

0

Time-->

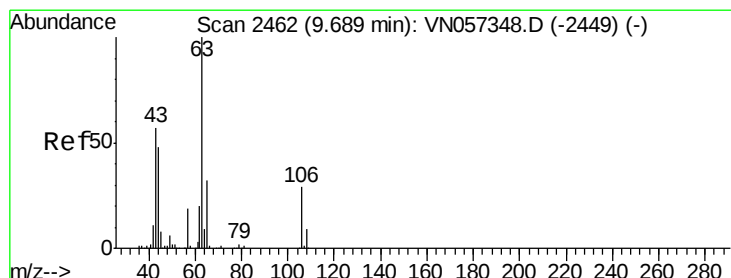
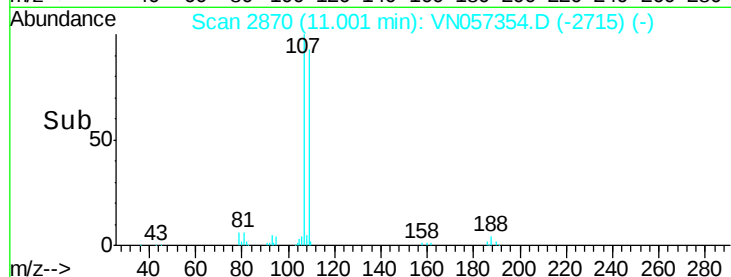
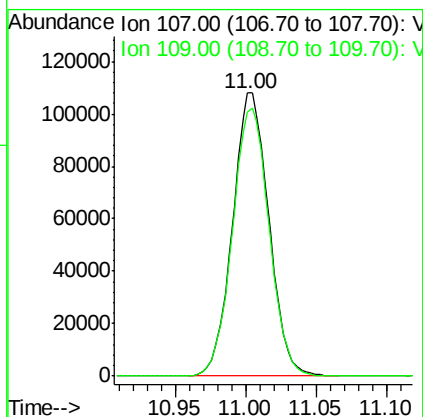
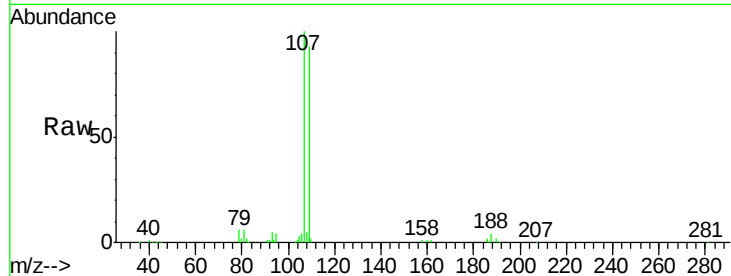




#54
 1,2-Dibromoethane
 Concen: 20.620 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

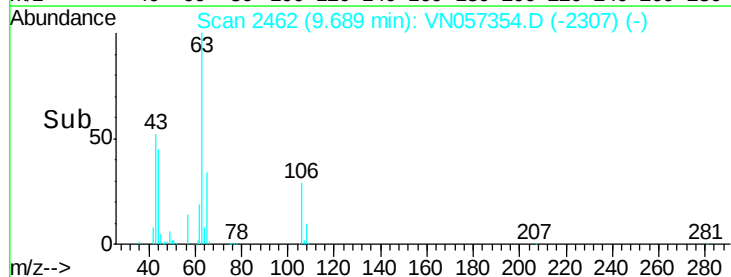
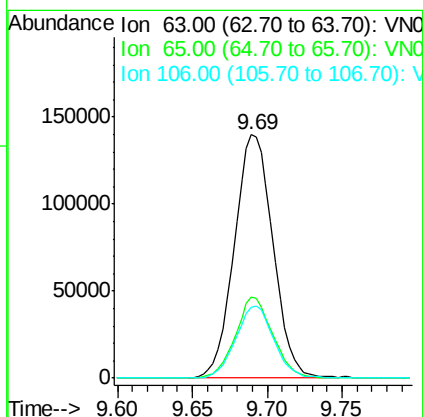
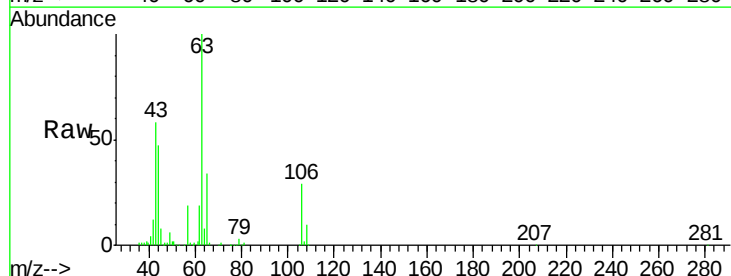
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

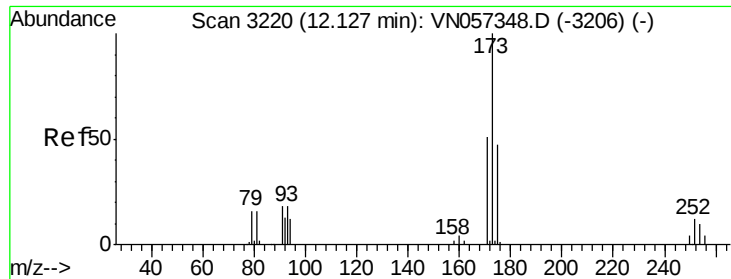
Tot Ion:107 Resp: 194270
 Ion Ratio Lower Upper
 107 100
 109 95.7 77.9 116.9



#55
 2-Chloroethyl vinyl ether
 Concen: 83.293 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Tgt Ion: 63 Resp: 251430
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.2 37.8
 106 29.1 21.6 32.4

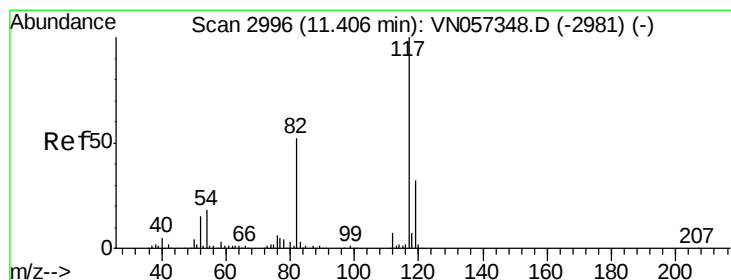
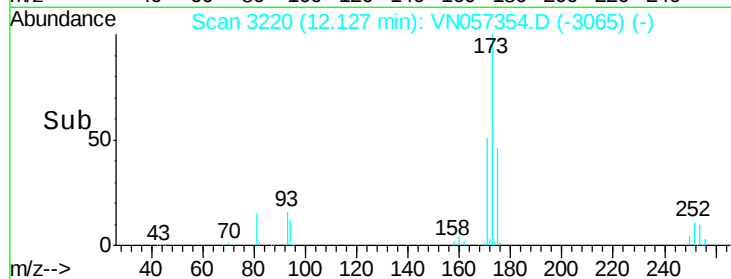
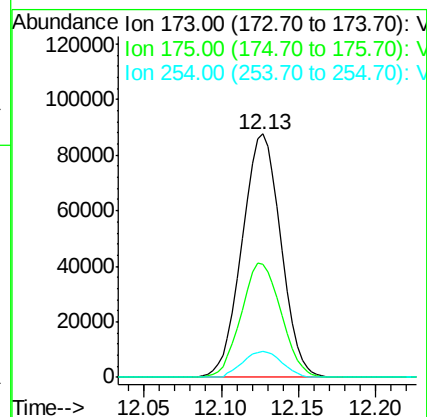
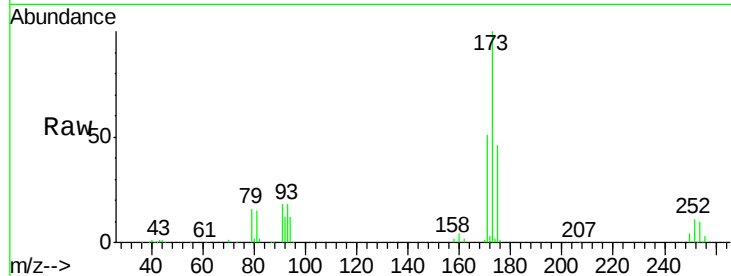




#56
Bromoform
Concen: 19.754 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

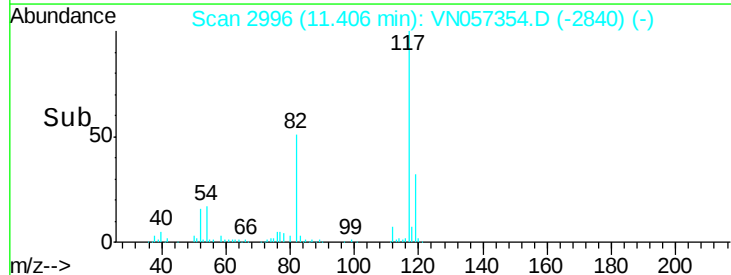
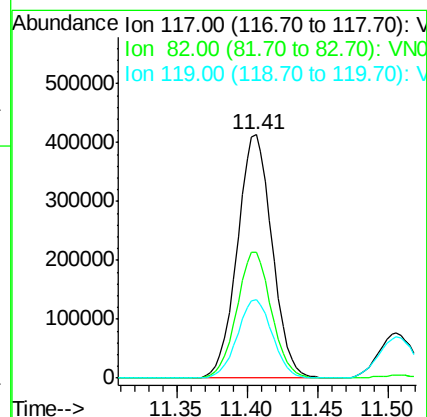
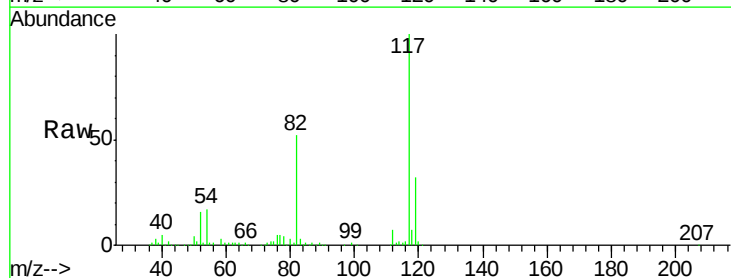
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

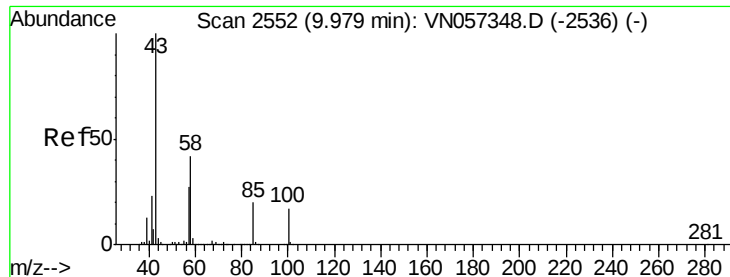
Tot Ion:173 Resp: 153513
Ion Ratio Lower Upper
173 100
175 48.3 39.7 59.5
254 10.7 7.8 11.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion:117 Resp: 714707
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 32.5 26.0 39.0

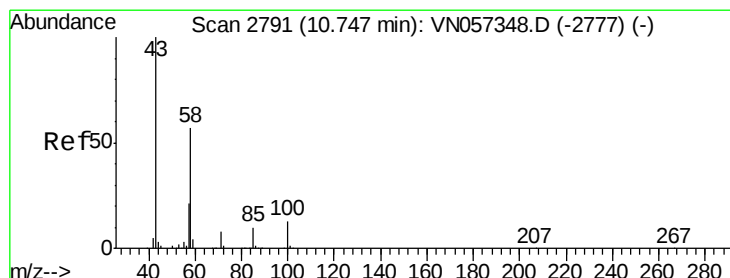
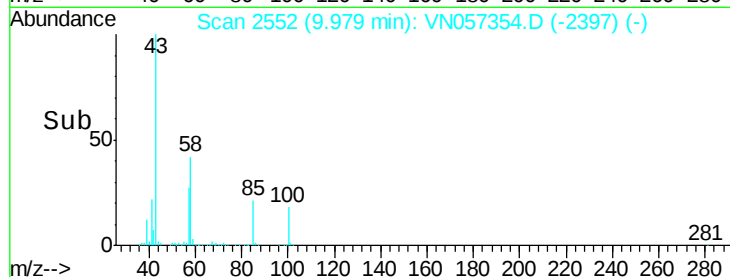
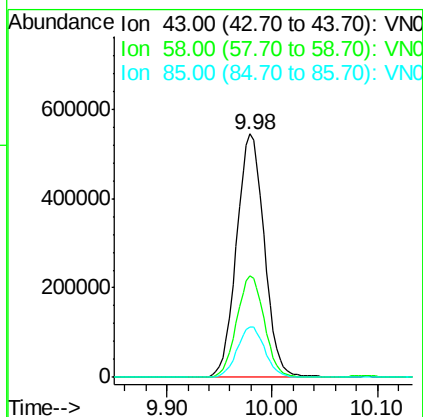
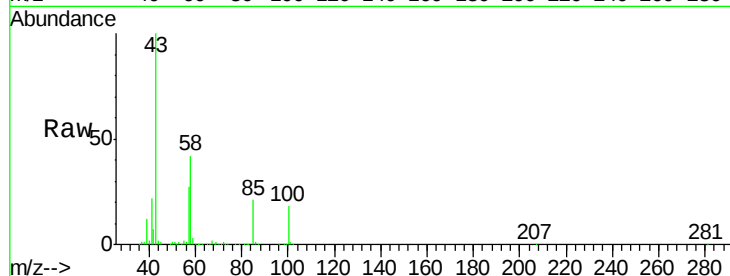




#58
4-Methyl-2-Pentanone
Concen: 106.212 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

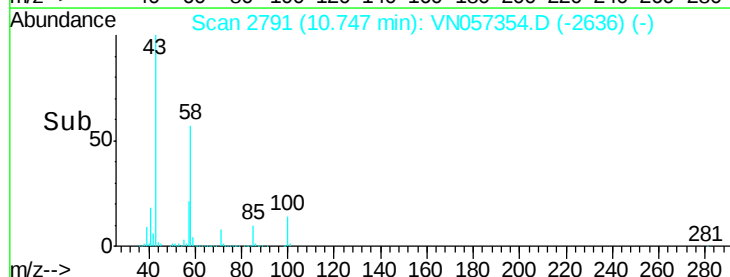
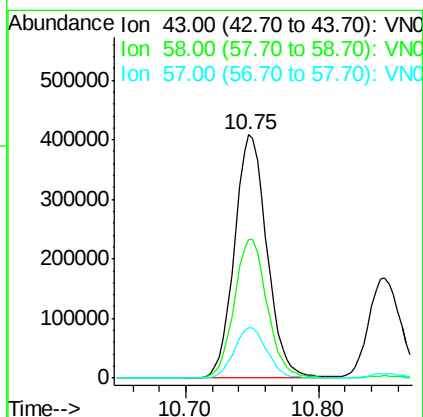
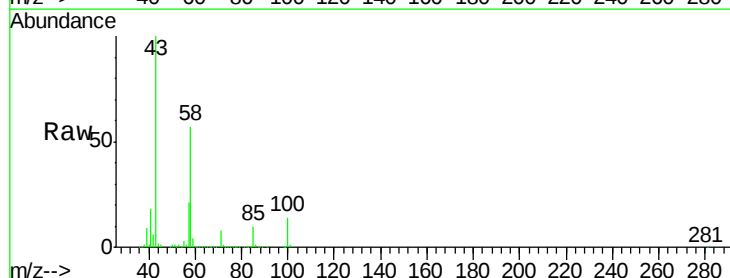
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

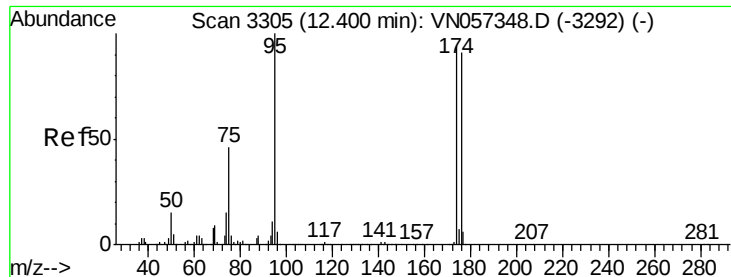
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.7	31.9	47.9
85	20.7	14.2	21.4



#59
2-Hexanone
Concen: 104.128 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.9	44.4	66.6
57	20.8	15.2	22.8

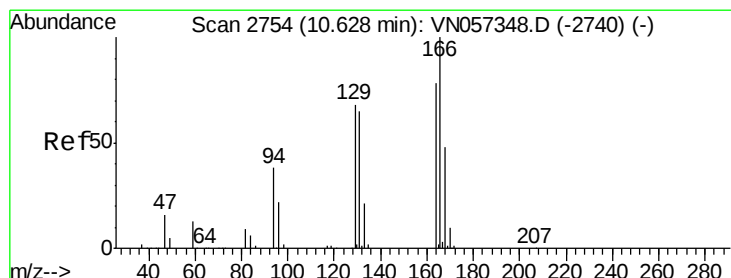
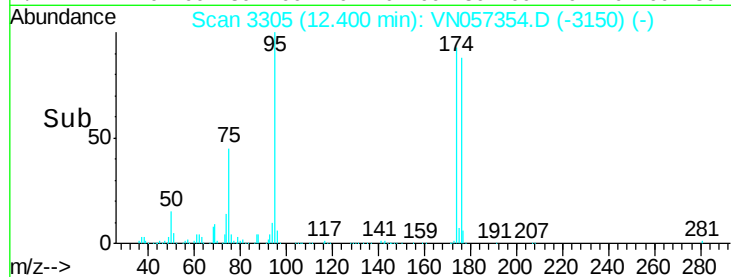
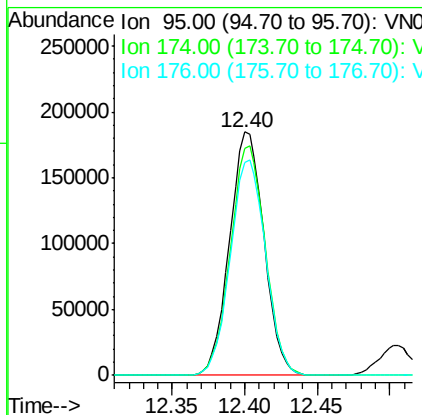
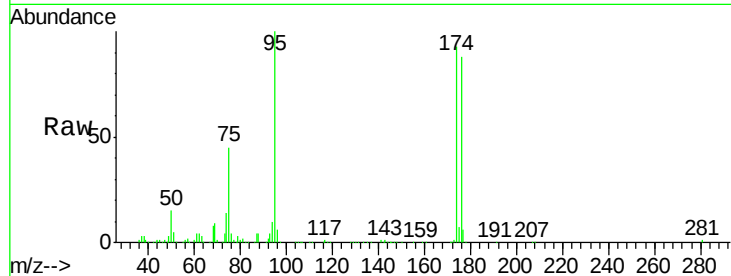




#60
4-Bromofluorobenzene
Concen: 28.895 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

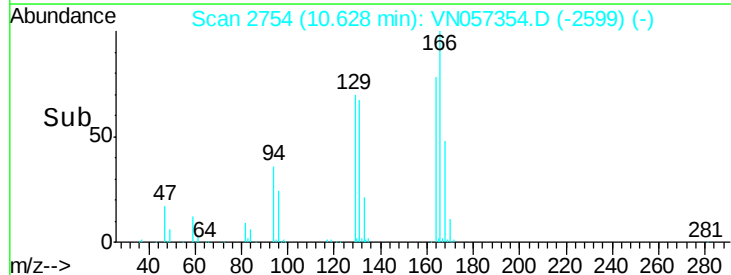
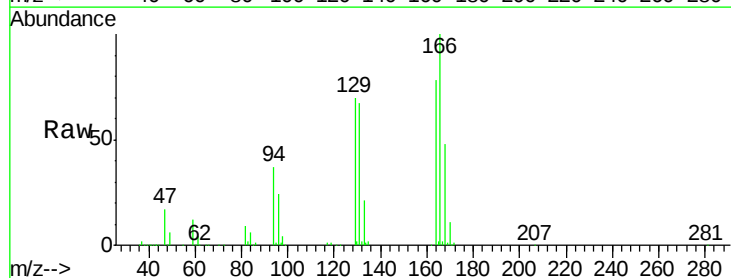
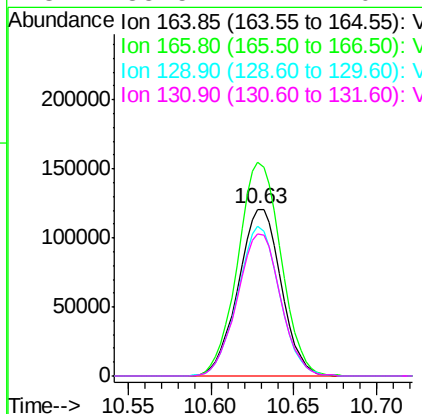
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

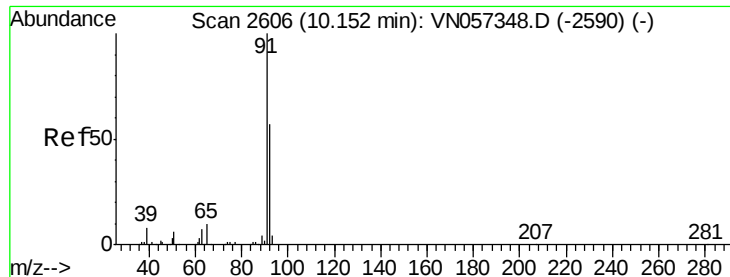
Tot Ion	95	Resp	304103
Ion Ratio	Lower	Upper	
95	100		
174	95.3	72.6	108.8
176	90.8	71.0	106.6



#61
Tetrachloroethene
Concen: 20.800 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion	164	Resp	217883
Ion Ratio	Lower	Upper	
164	100		
166	128.0	102.3	153.5
129	89.7	72.6	108.8
131	85.5	71.4	107.2





#62

Toluene

Concen: 20.431 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

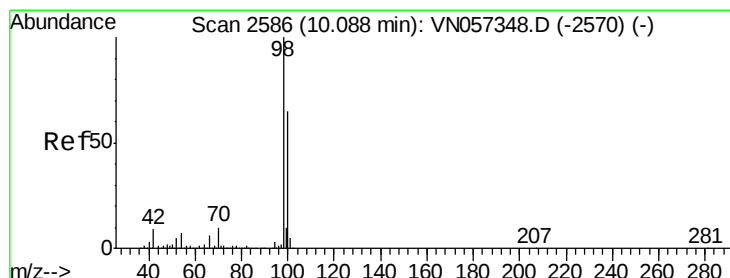
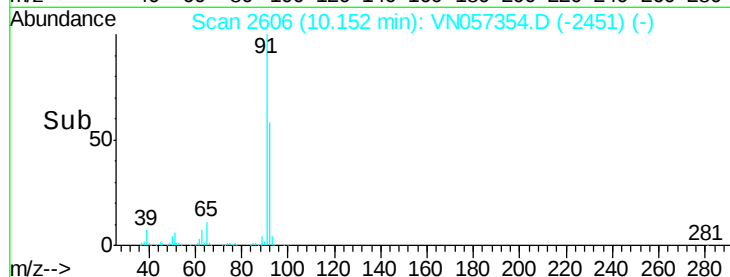
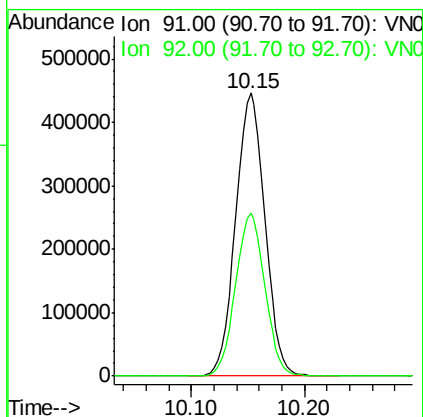
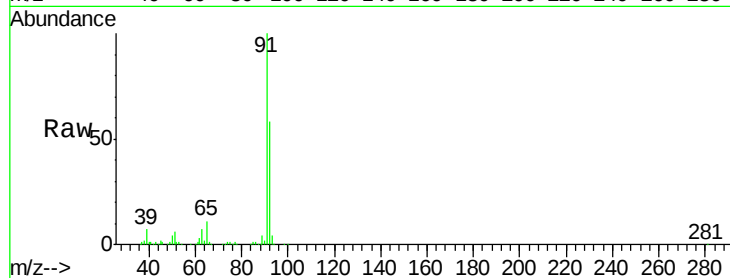
VN0817WBS01

Tot Ion: 91 Resp: 805400

Ion Ratio Lower Upper

91 100

92 57.7 46.7 70.1



#63

Toluene-d8

Concen: 30.443 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057354.D

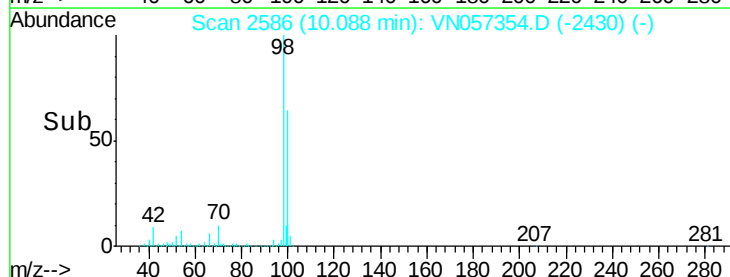
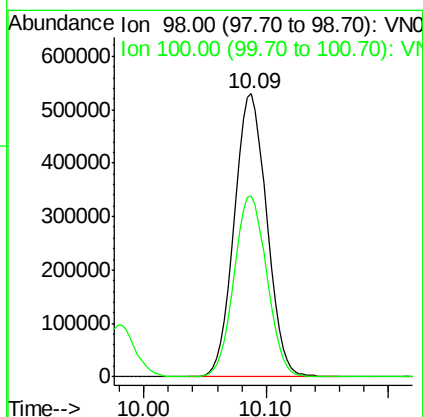
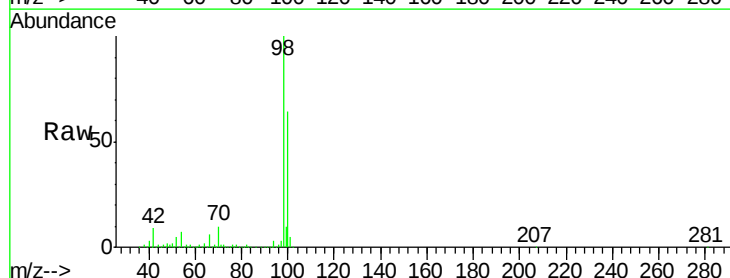
Acq: 16 Aug 2019 14:40

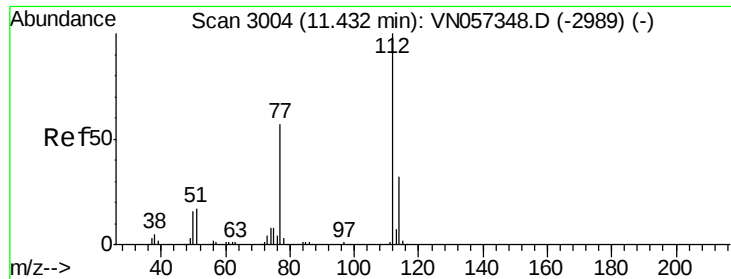
Tgt Ion: 98 Resp: 981395

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7

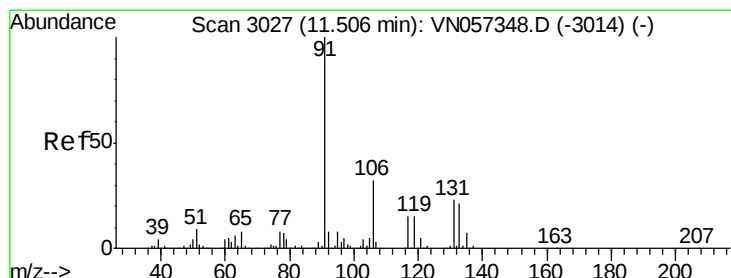
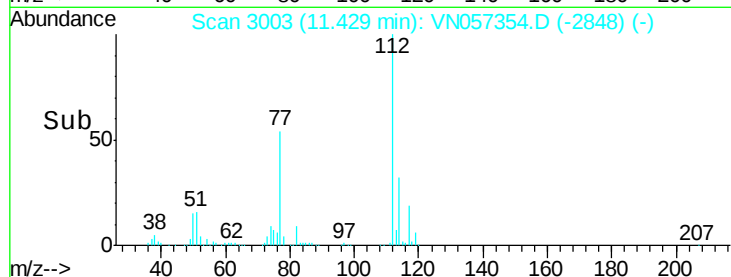
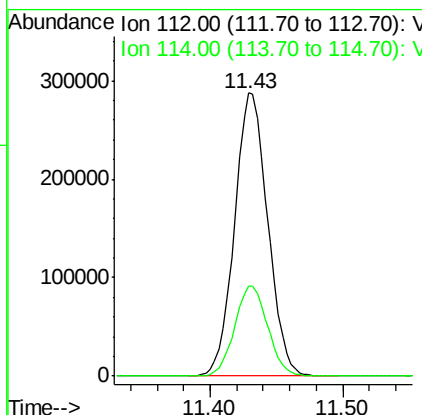
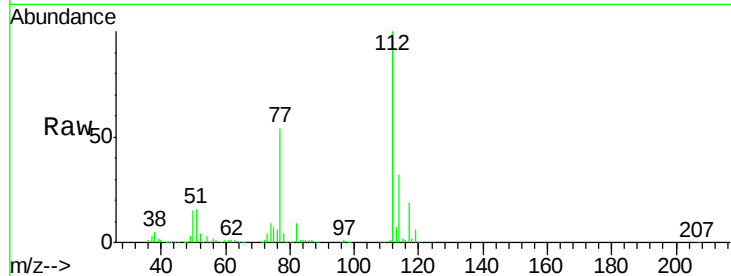




#64
Chlorobenzene
Concen: 20.142 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

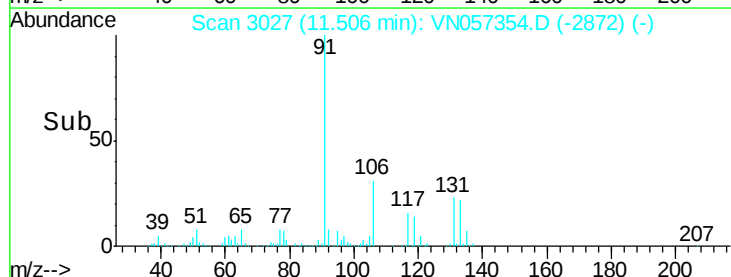
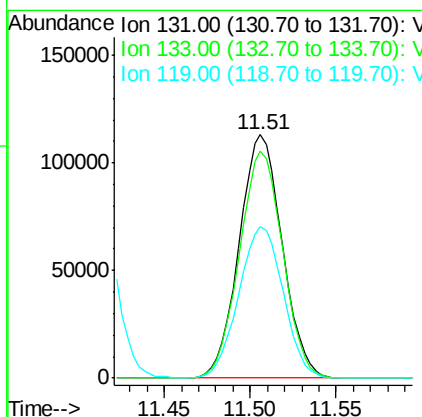
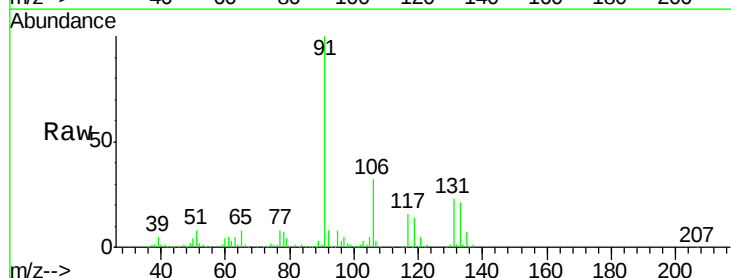
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

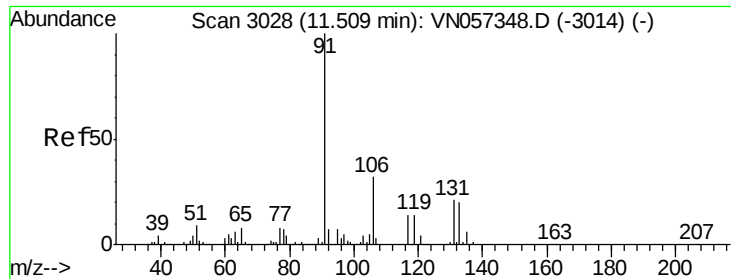
Tot Ion:112 Resp: 498803
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#65
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion:131 Resp: 196062
Ion Ratio Lower Upper
131 100
133 93.9 0.0 191.4
119 64.3 0.0 133.4





#66

Ethyl Benzene

Concen: 19.976 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

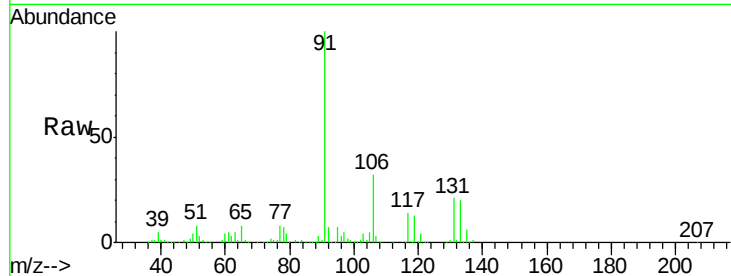
VN0817WBS01

Tot Ion: 91 Resp: 860331

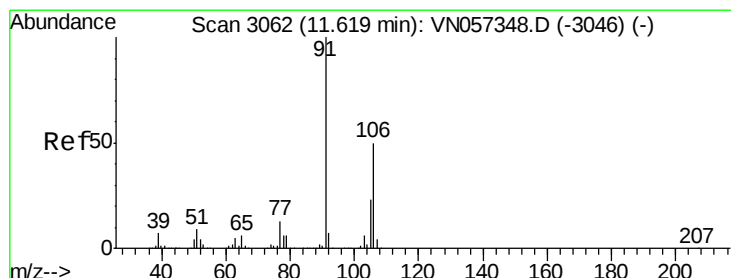
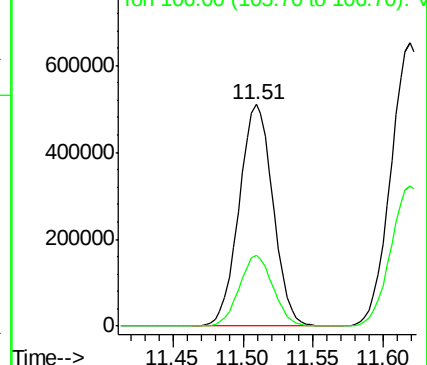
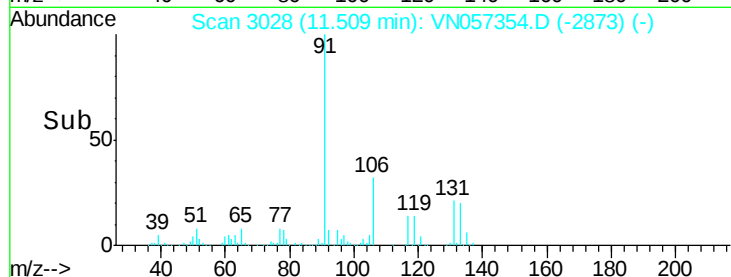
Ion Ratio Lower Upper

91 100

106 32.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN057354.D (-2873) (-)



#67

m/p-Xylenes

Concen: 39.144 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057354.D

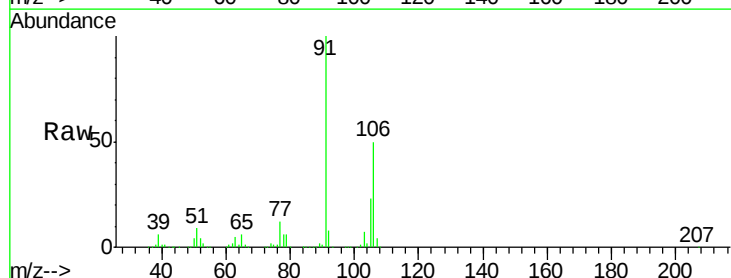
Acq: 16 Aug 2019 14:40

Tgt Ion: 106 Resp: 630973

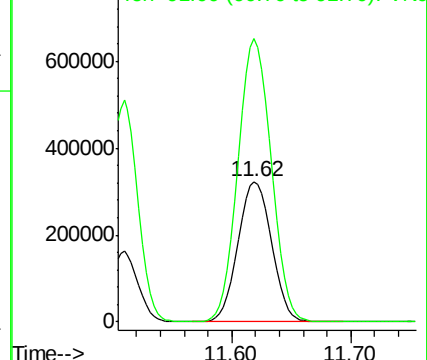
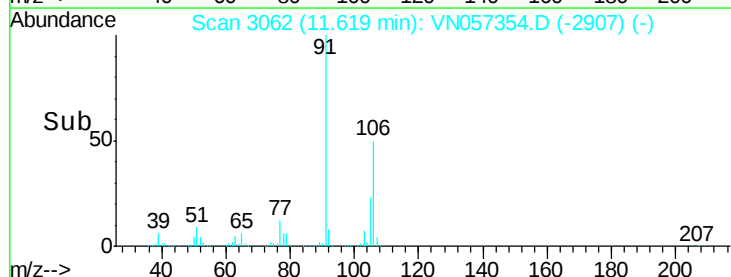
Ion Ratio Lower Upper

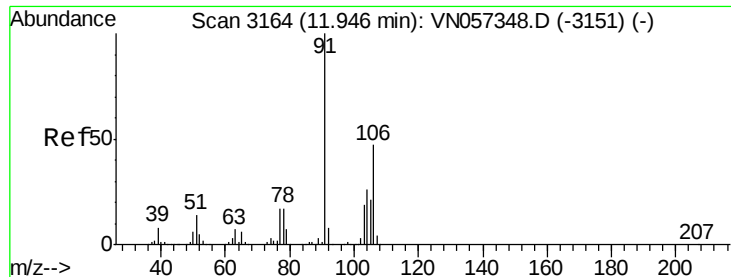
106 100

91 200.6 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): VN057354.D (-2907) (-)

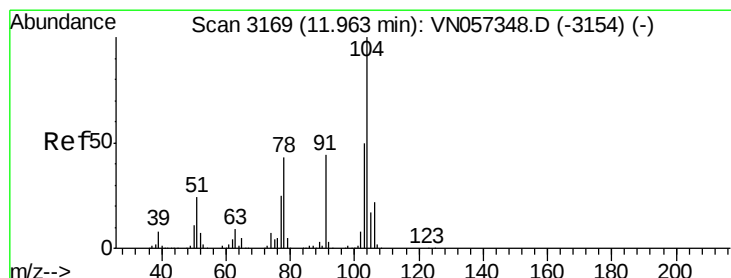
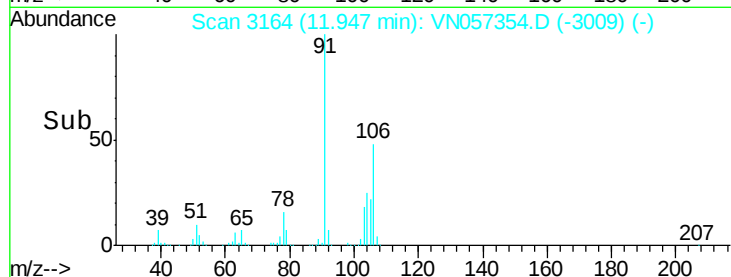
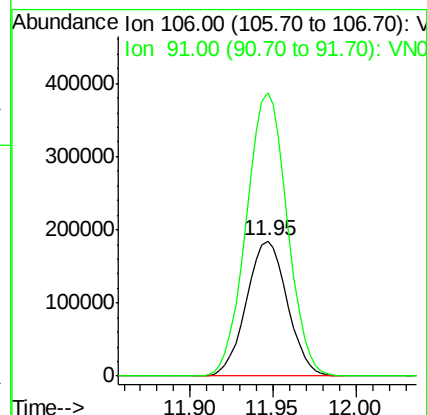
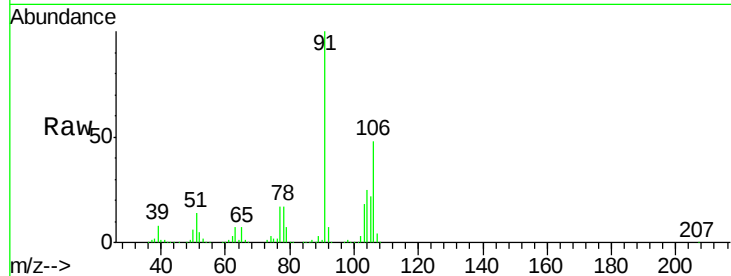




#68
o-Xylene
Concen: 20.111 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

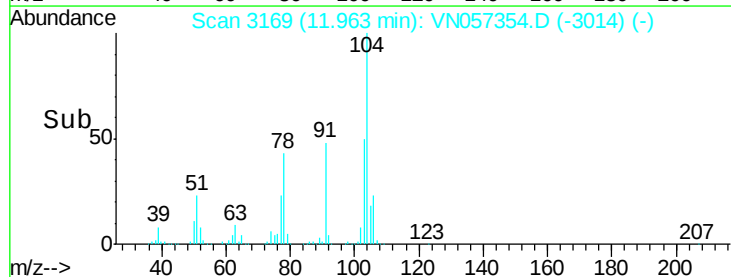
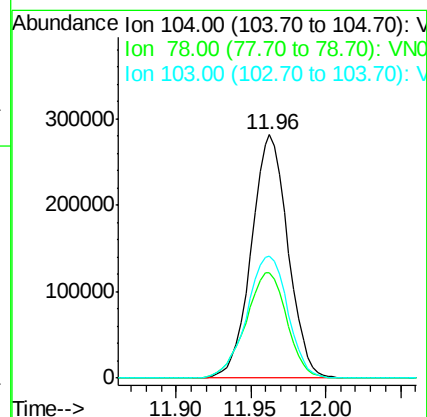
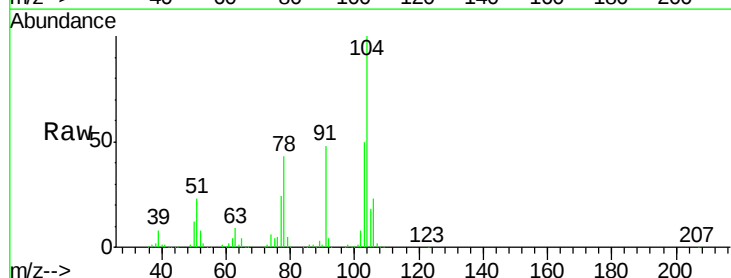
Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

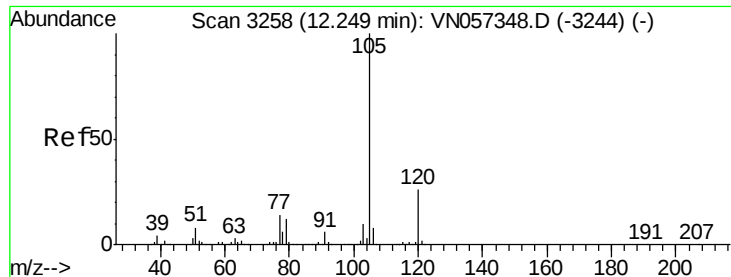
Tot Ion:106 Resp: 316920
Ion Ratio Lower Upper
106 100
91 209.3 108.1 324.2



#69
Styrene
Concen: 18.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion:104 Resp: 480025
Ion Ratio Lower Upper
104 100
78 48.7 38.7 58.1
103 56.1 45.0 67.4





#70

Isopropylbenzene

Concen: 19.826 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

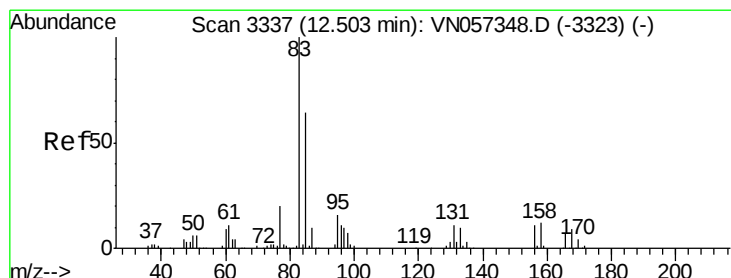
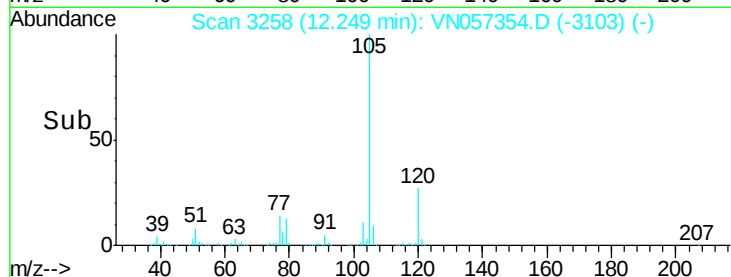
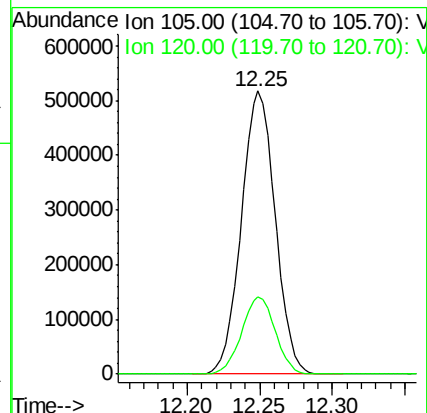
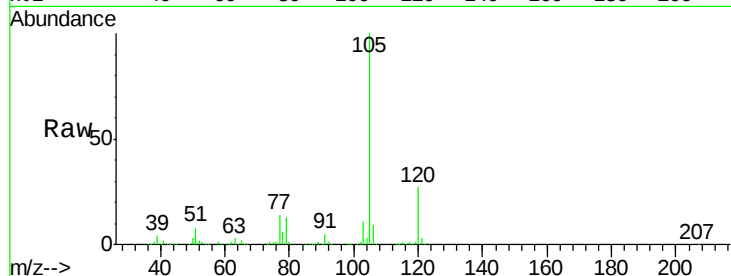
VN0817WBS01

Tot Ion:105 Resp: 837572

Ion Ratio Lower Upper

105 100

120 27.1 18.6 34.5



#71

1,1,2,2-Tetrachloroethane

Concen: 21.014 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

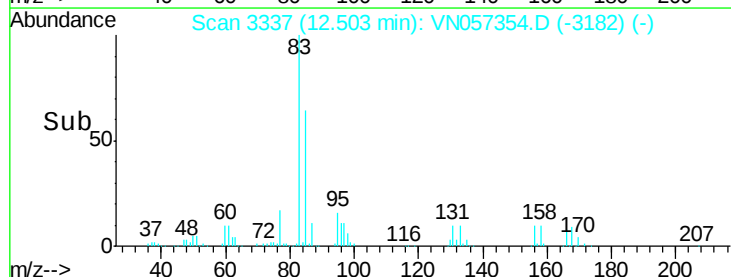
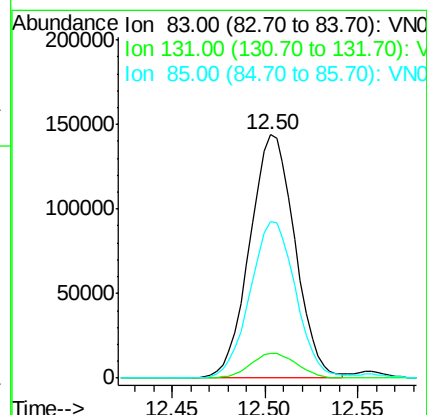
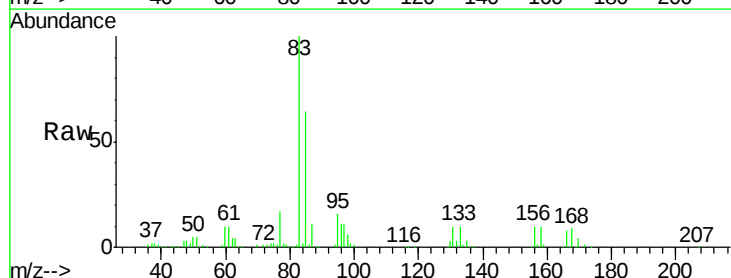
Tgt Ion: 83 Resp: 243189

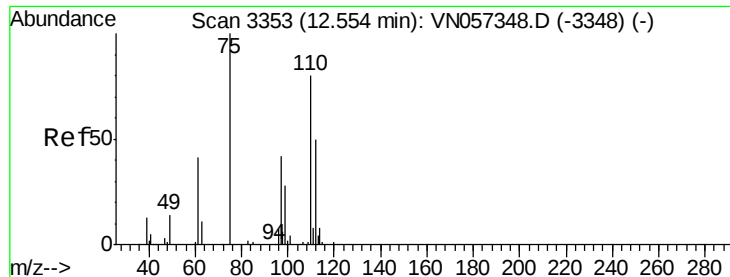
Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 64.8 31.9 95.7





#72

1,2,3-Trichloropropane

Concen: 20.555 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

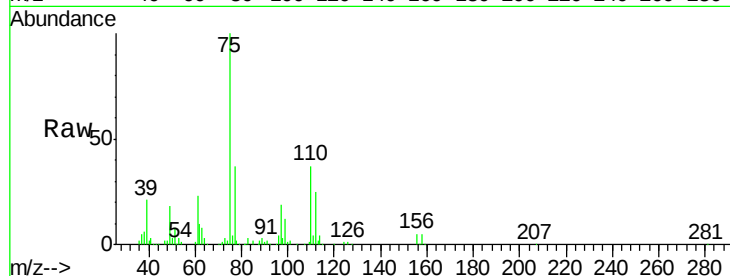
VN0817WBS01

Tot Ion: 75 Resp: 200740

Ion Ratio Lower Upper

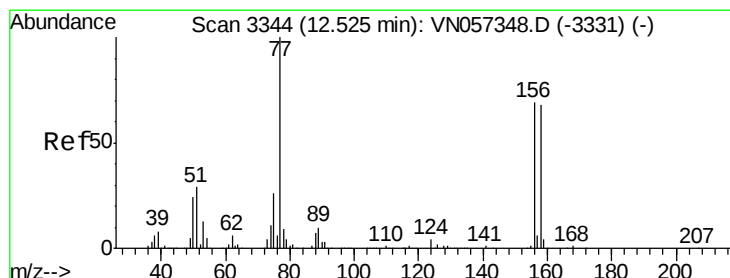
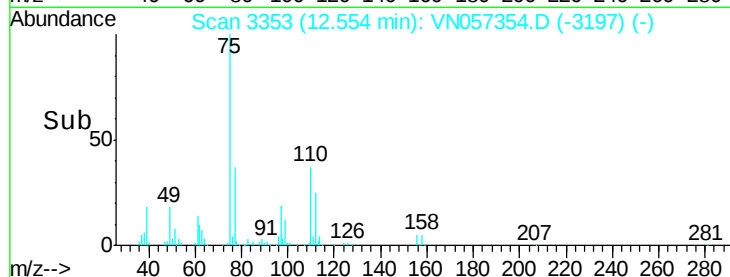
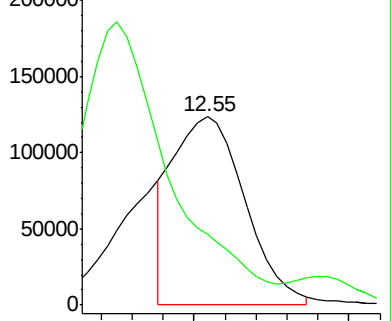
75 100

77 189.9 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 19.314 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

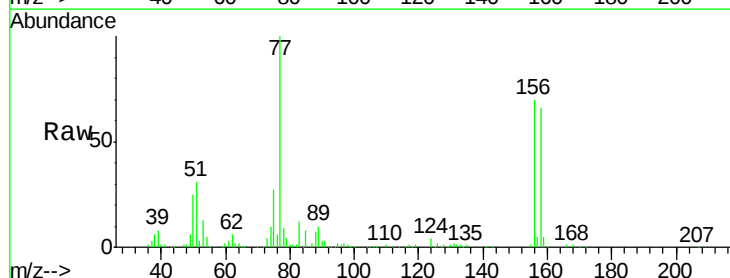
Tgt Ion: 156 Resp: 216226

Ion Ratio Lower Upper

156 100

77 176.3 0.0 381.8

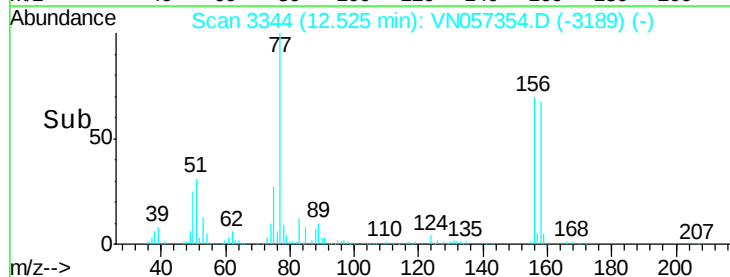
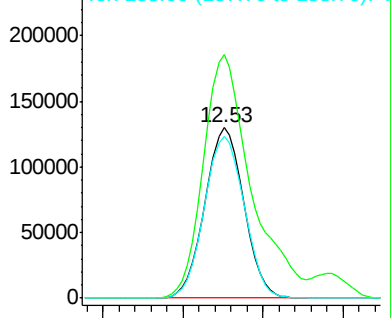
158 97.3 0.0 195.8

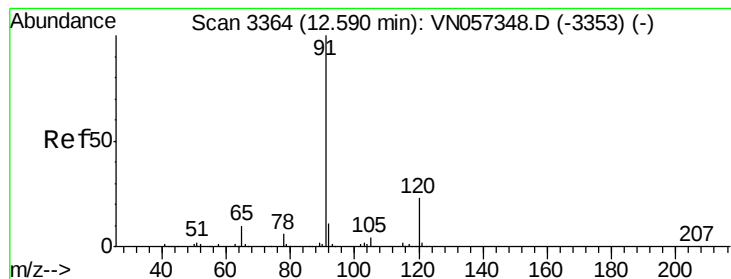


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 18.555 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

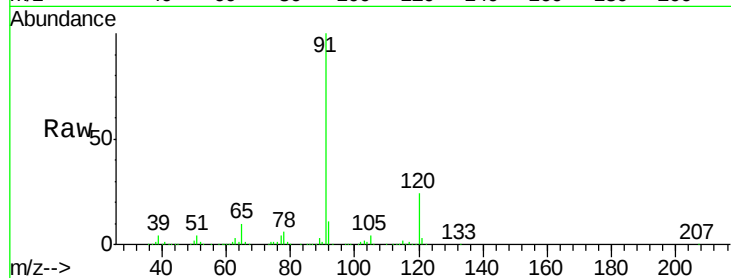
VN0817WBS01

Tot Ion: 91 Resp: 814252

Ion Ratio Lower Upper

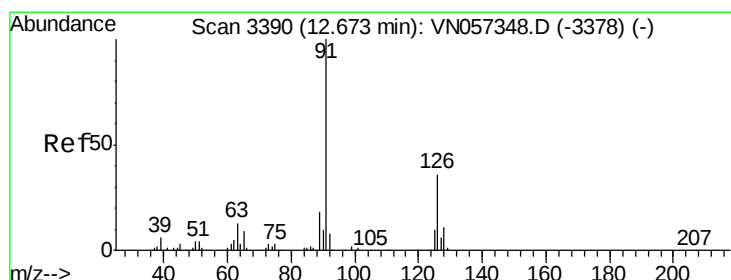
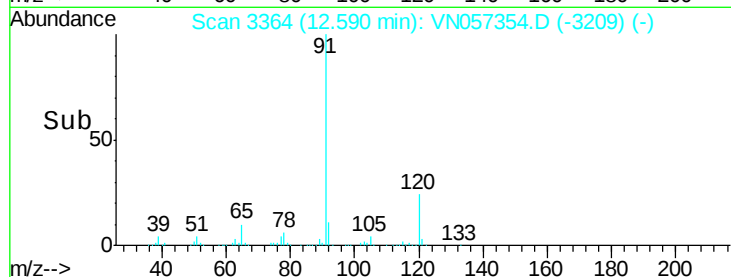
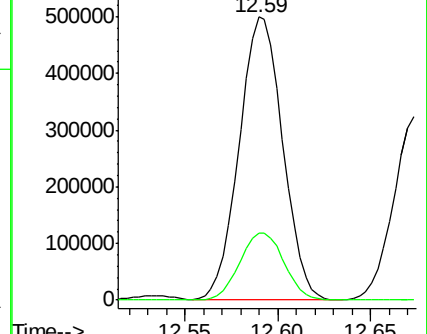
91 100

120 24.3 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 19.411 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057354.D

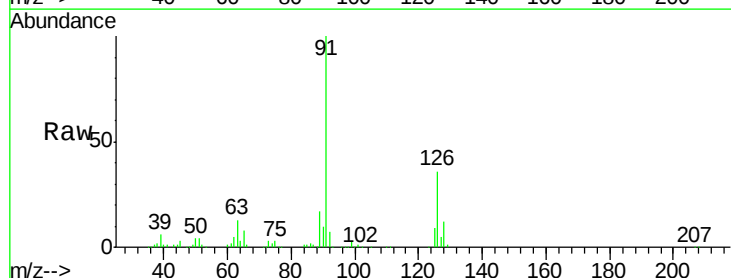
Acq: 16 Aug 2019 14:40

Tgt Ion: 91 Resp: 528582

Ion Ratio Lower Upper

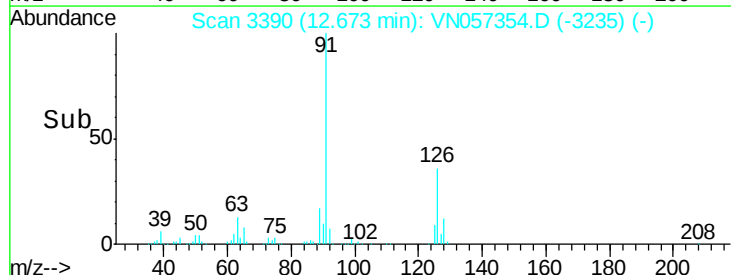
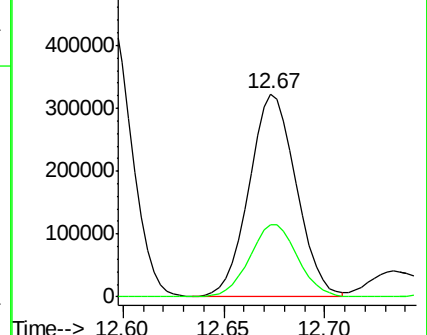
91 100

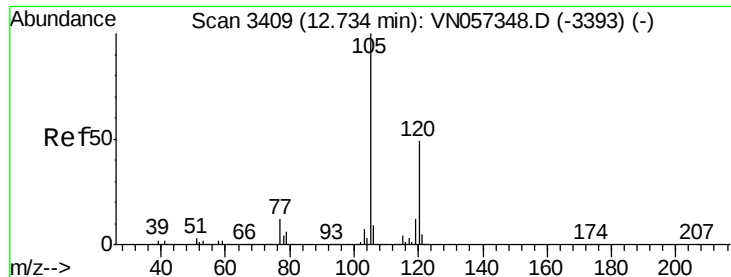
126 36.3 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 19.179 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

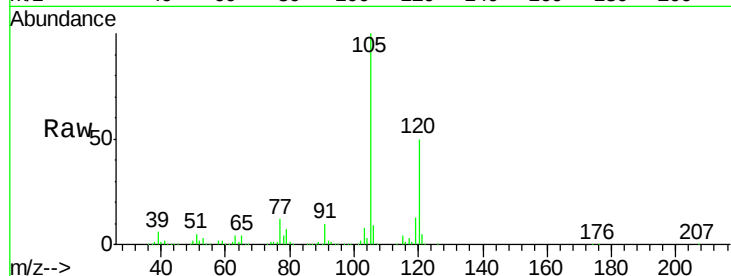
VN0817WBS01

Tot Ion:105 Resp: 673905

Ion Ratio Lower Upper

105 100

120 50.1 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

400000

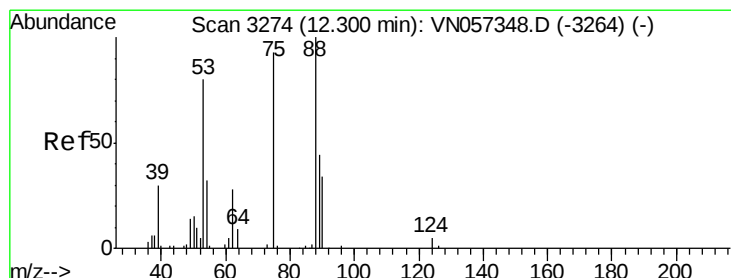
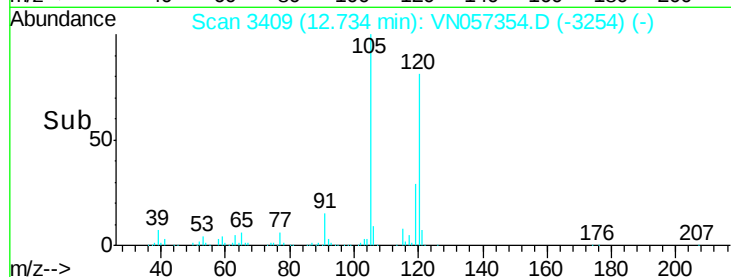
300000

200000

100000

0

Time--> 12.65 12.70 12.75 12.80



#77

t-1,4-Dichloro-2-butene

Concen: 19.767 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

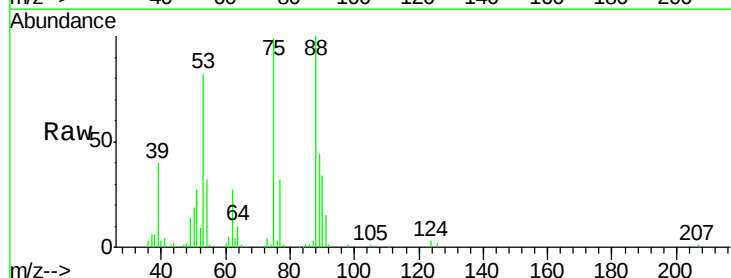
Tgt Ion: 75 Resp: 74078

Ion Ratio Lower Upper

75 100

53 82.8 48.6 145.8

89 44.6 21.3 64.0



Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

12.30

60000

50000

40000

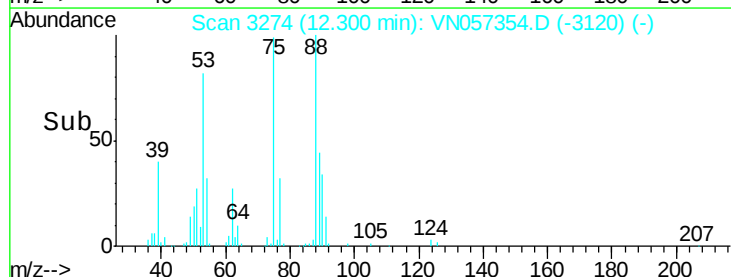
30000

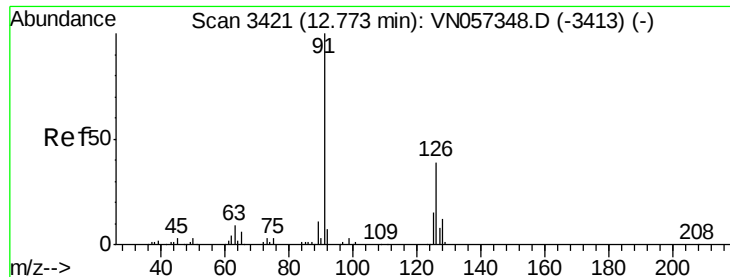
20000

10000

0

Time--> 12.25 12.30 12.35





#78

4-Chlorotoluene

Concen: 17.987 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

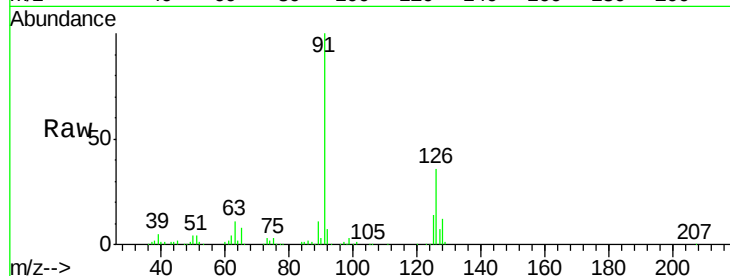
VN0817WBS01

Tot Ion: 91 Resp: 458301

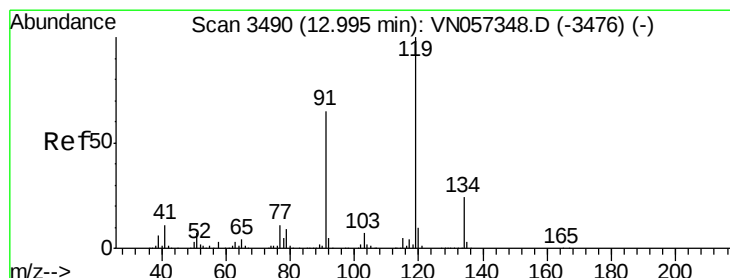
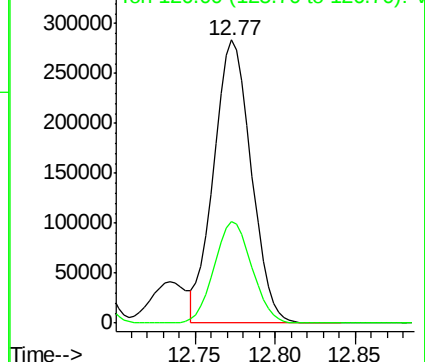
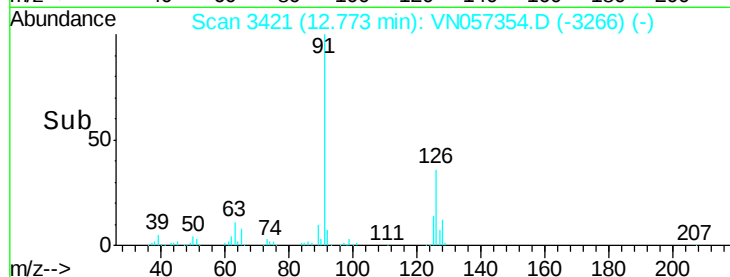
Ion Ratio Lower Upper

91 100

126 36.1 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN057354.D (-3266) (-)



#79

tert-butylbenzene

Concen: 19.792 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

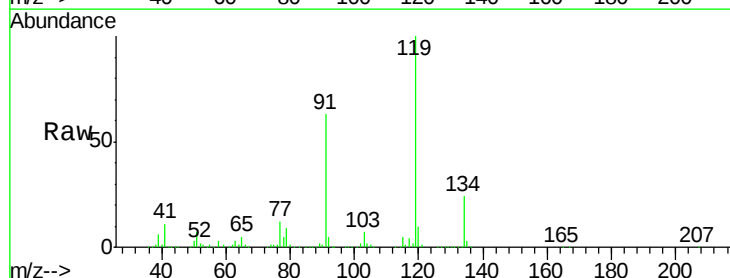
Tgt Ion: 119 Resp: 619700

Ion Ratio Lower Upper

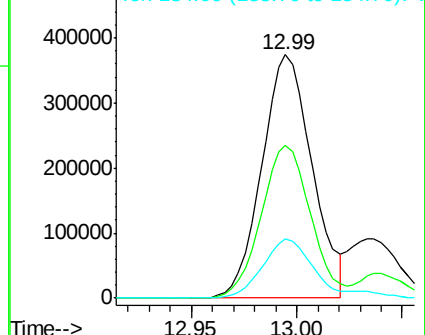
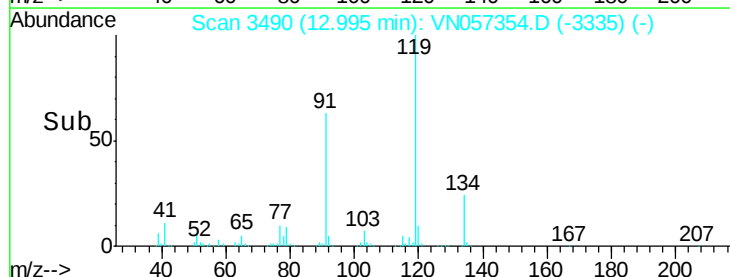
119 100

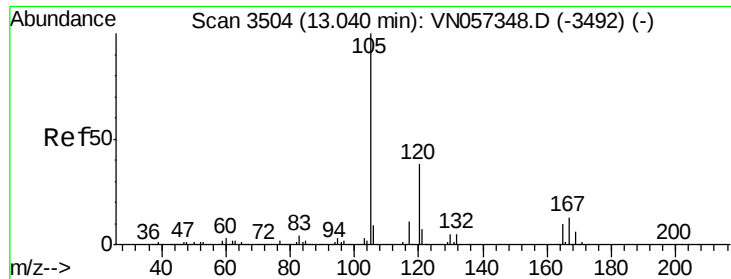
91 61.8 0.0 125.4

134 24.1 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): VN057354.D (-3335) (-)

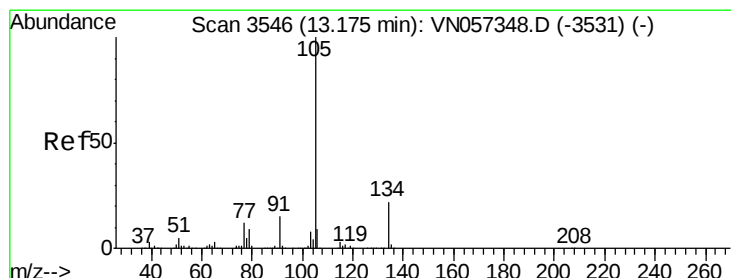
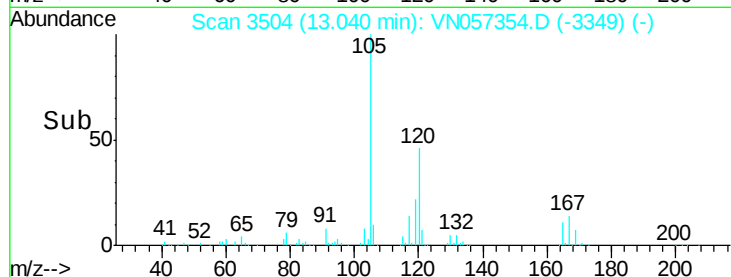
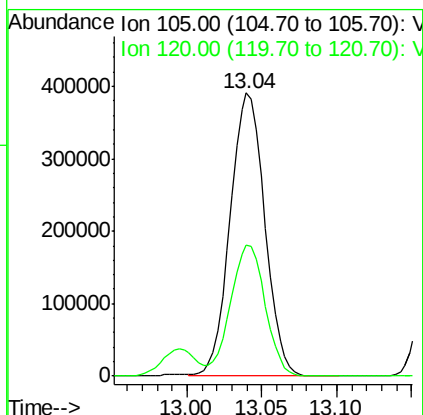
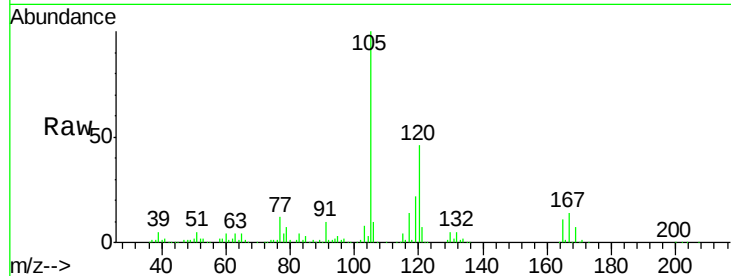




#80
 1,2,4-Trimethylbenzene
 Concen: 18.999 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

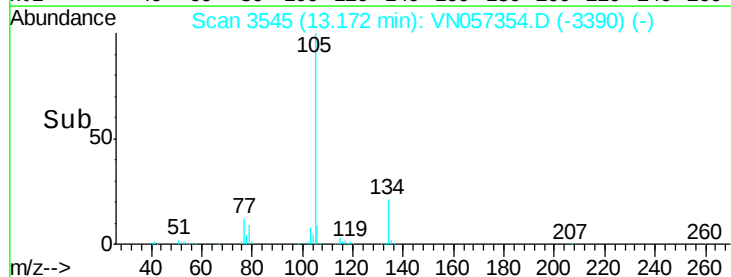
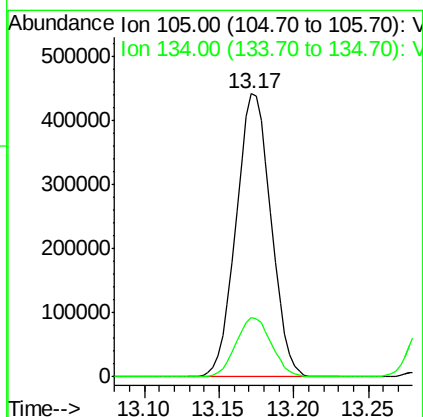
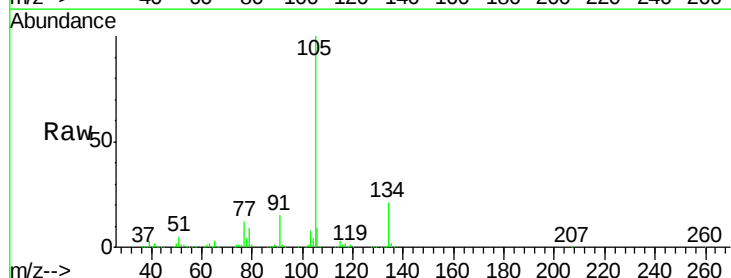
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

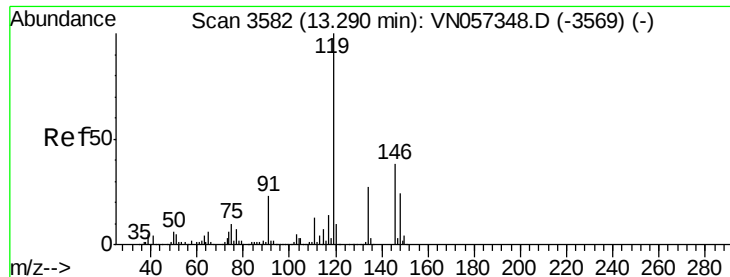
Tot Ion:105 Resp: 629685
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 18.574 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Tgt Ion:105 Resp: 716902
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 40.8

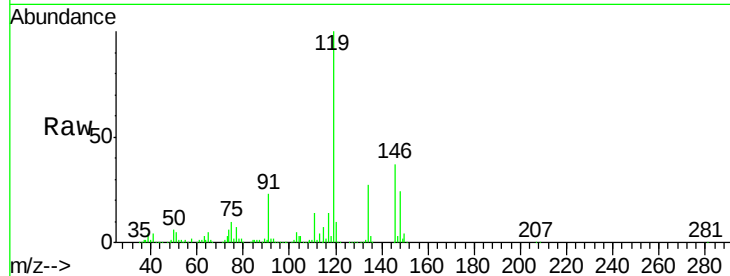




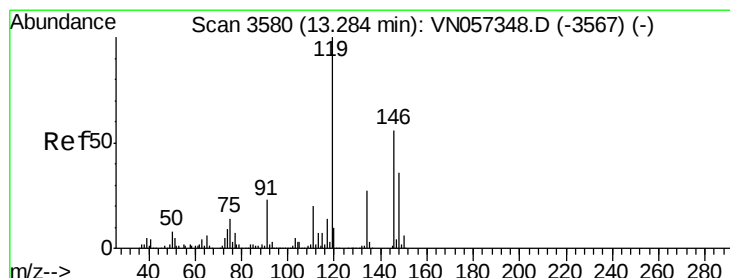
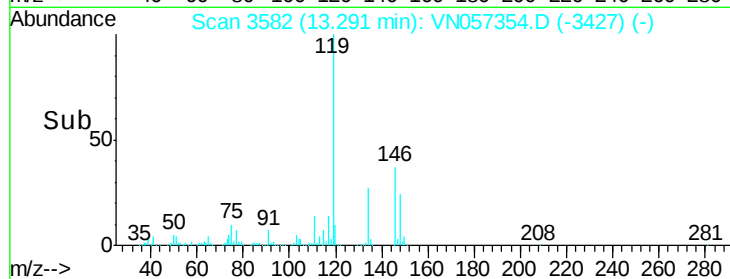
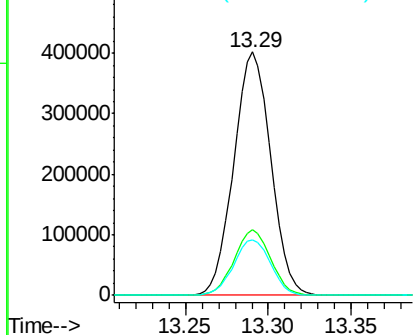
#82
 p-Isopropyltoluene
 Concen: 18.042 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.8
91	22.9	0.0	45.4

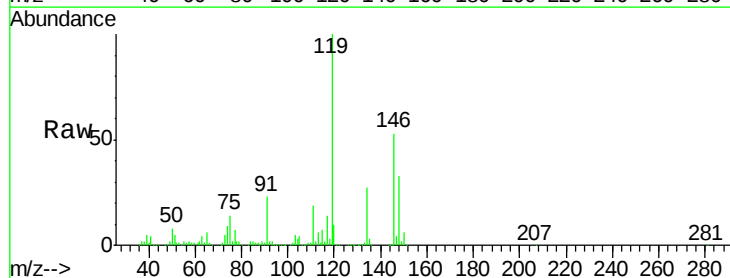


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

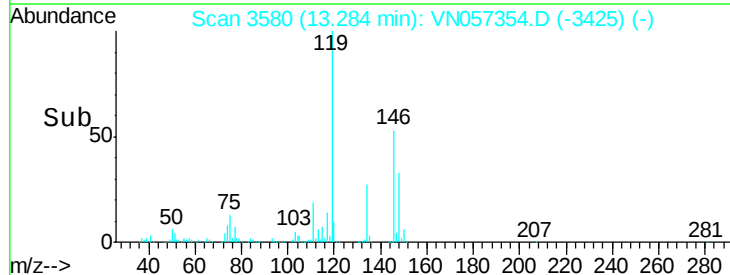
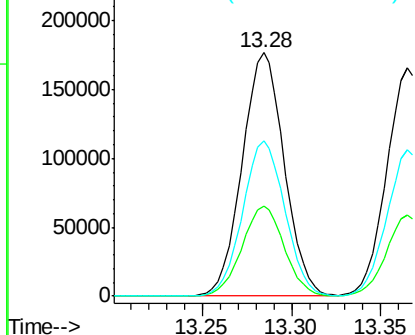


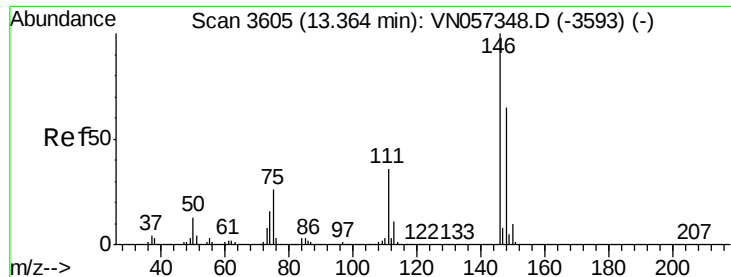
#83
 1,3-Dichlorobenzene
 Concen: 17.792 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.1	31.8	95.4



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 17.916 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS01

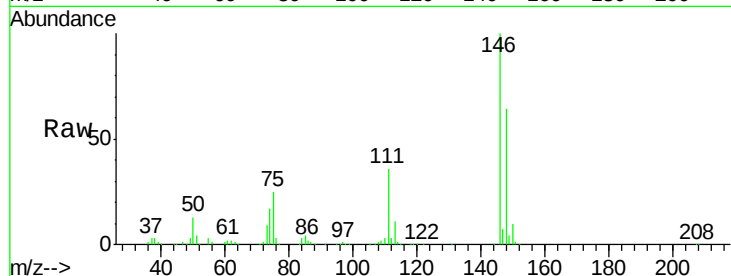
Tot Ion:146 Resp: 274241

Ion Ratio Lower Upper

146 100

111 35.2 17.8 53.4

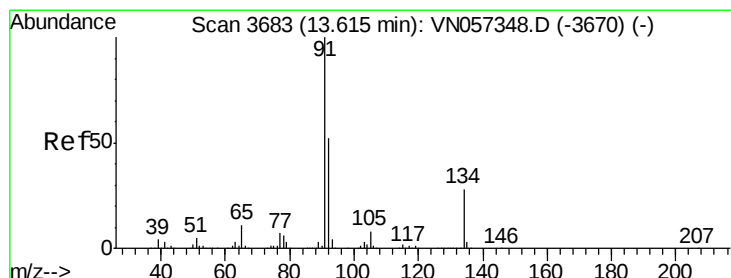
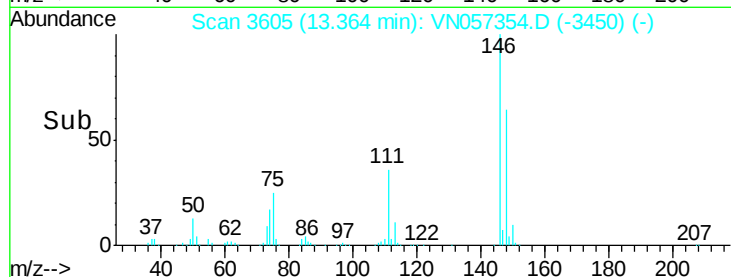
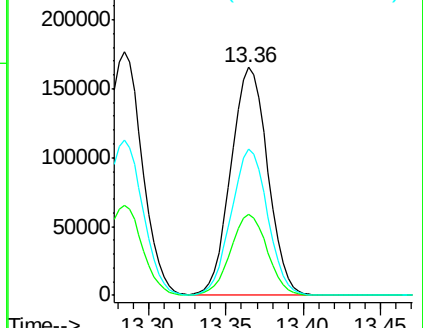
148 63.1 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.303 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

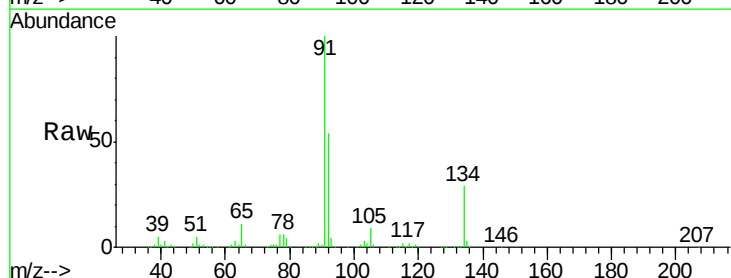
Tgt Ion: 91 Resp: 470590

Ion Ratio Lower Upper

91 100

92 53.5 0.0 104.0

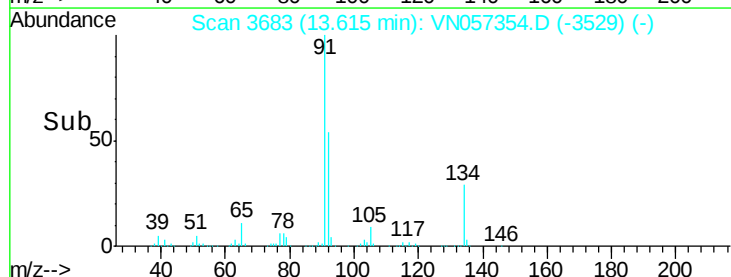
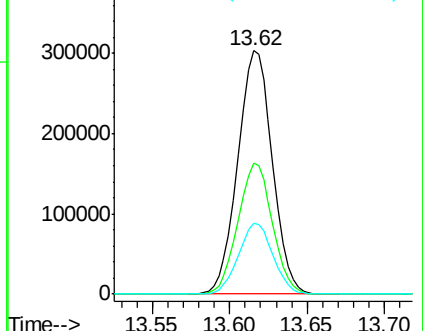
134 29.0 0.0 53.2

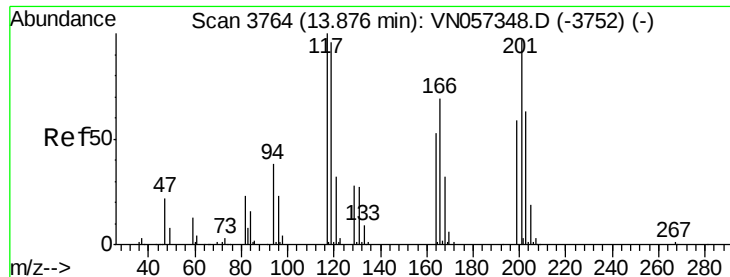


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 19.325 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

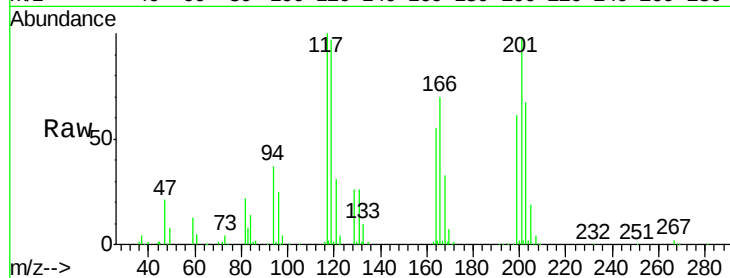
VN0817WBS01

Tot Ion:117 Resp: 128612

Ion Ratio Lower Upper

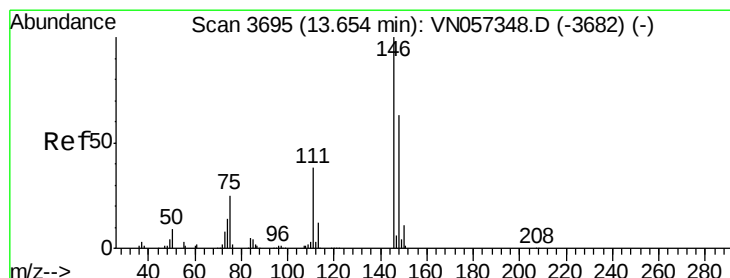
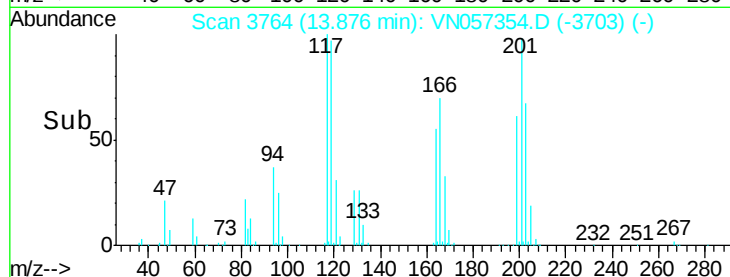
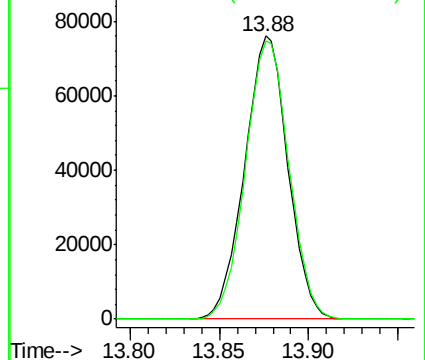
117 100

201 98.8 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 18.859 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

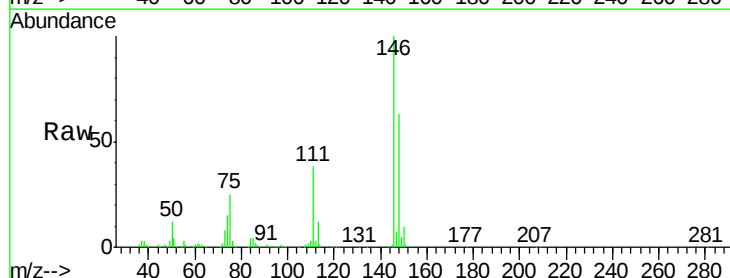
Tgt Ion:146 Resp: 292177

Ion Ratio Lower Upper

146 100

111 37.7 19.7 59.0

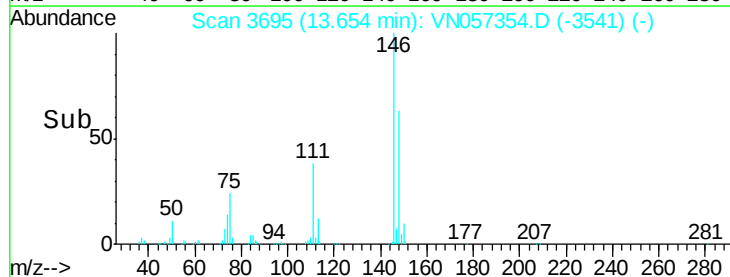
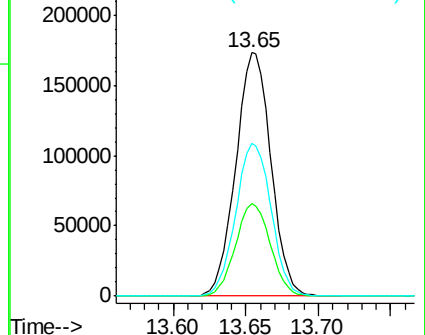
148 63.1 32.7 98.1

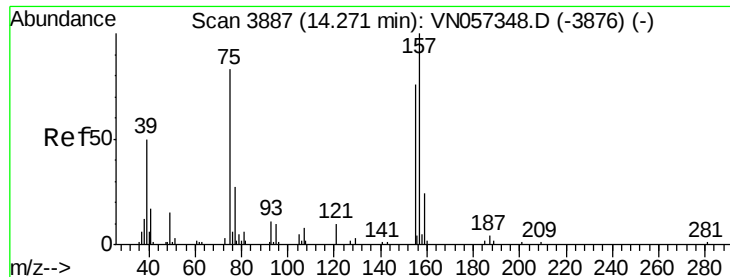


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.182 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

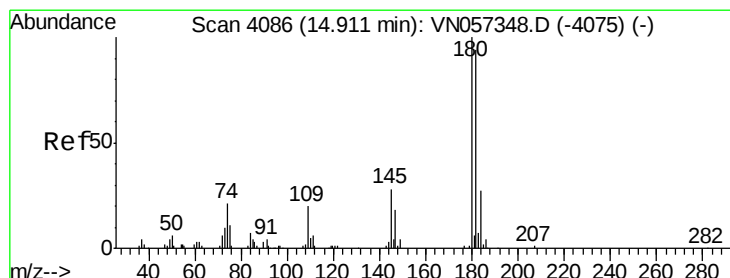
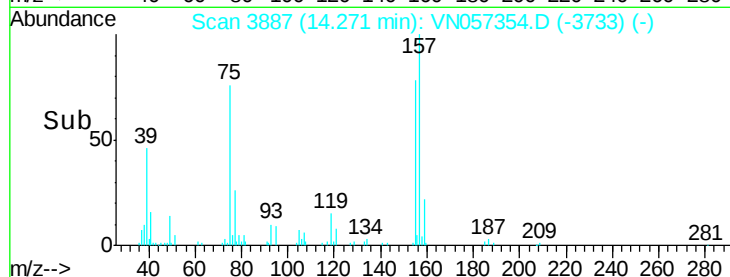
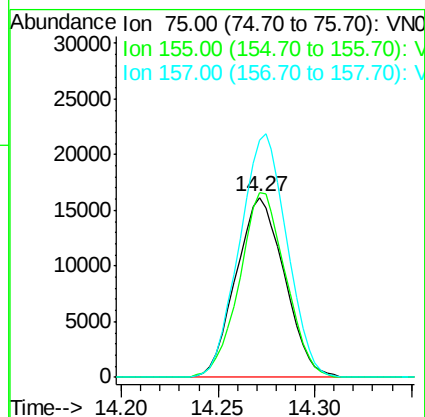
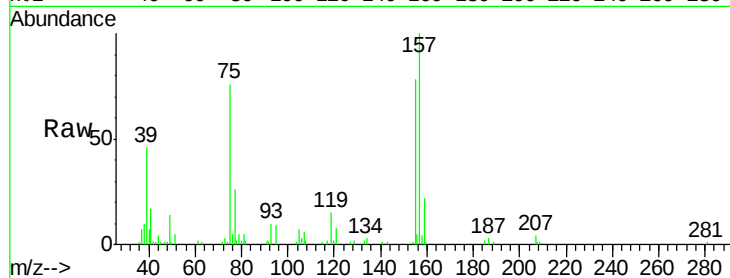
Tot Ion: 75 Resp: 28203

Ion Ratio Lower Upper

75 100

155 97.5 78.6 117.8

157 132.2 99.3 148.9



#89

1,2,4-Trichlorobenzene

Concen: 13.131 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057354.D

Acq: 16 Aug 2019 14:40

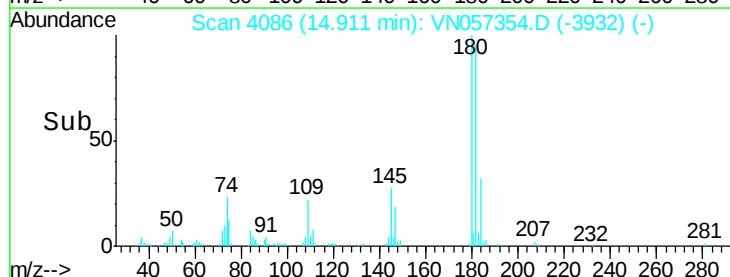
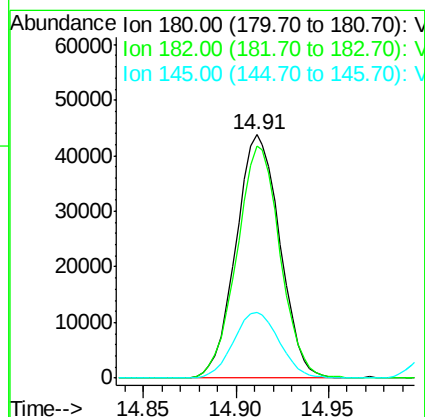
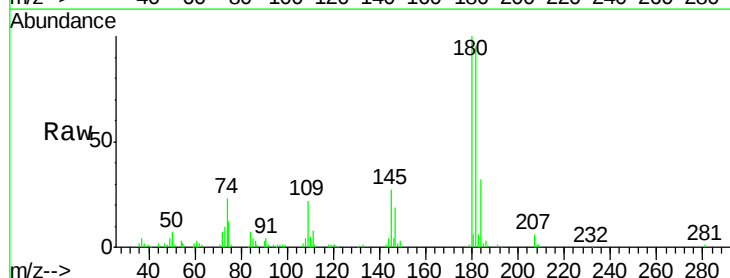
Tgt Ion: 180 Resp: 71979

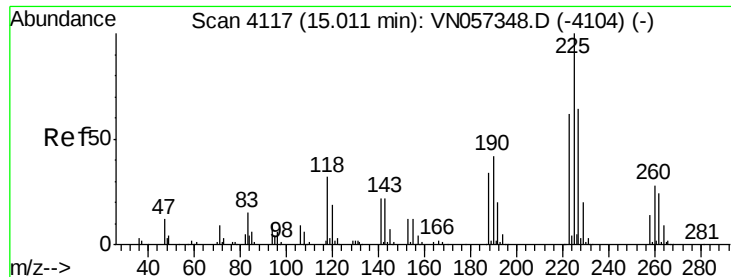
Ion Ratio Lower Upper

180 100

182 93.7 78.2 117.4

145 28.1 23.2 34.8

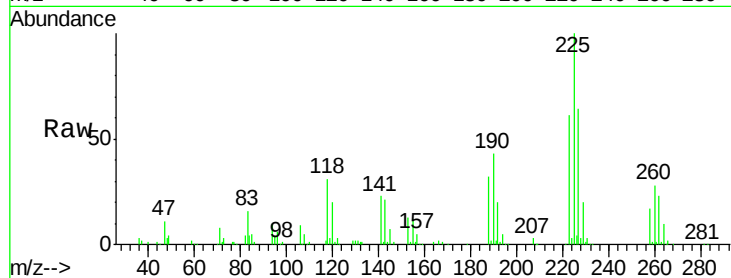




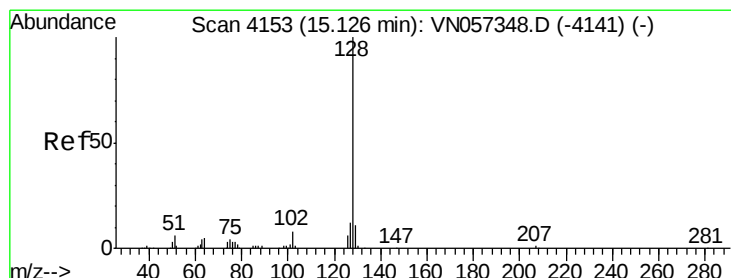
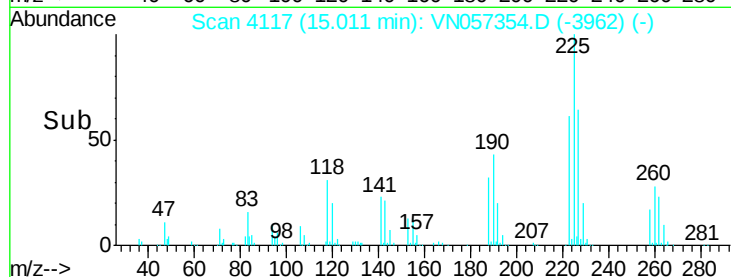
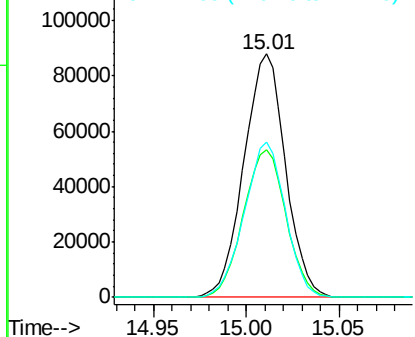
#90
Hexachlorobutadiene
Concen: 19.690 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion:225 Resp: 137738
Ion Ratio Lower Upper
225 100
223 62.1 0.0 124.6
227 62.8 0.0 128.6

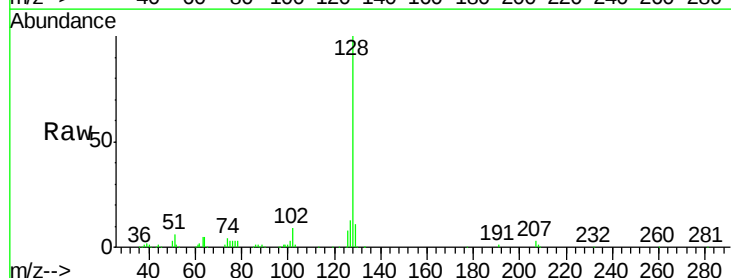


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

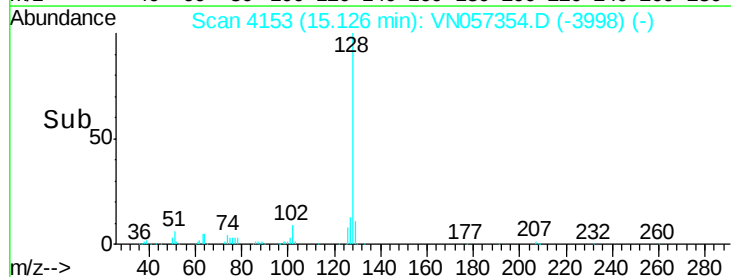
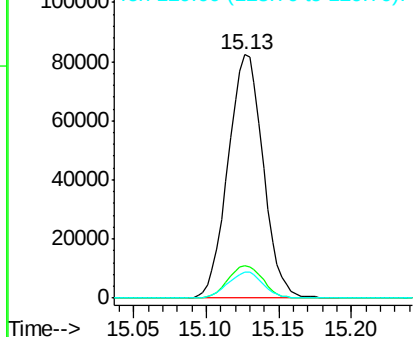


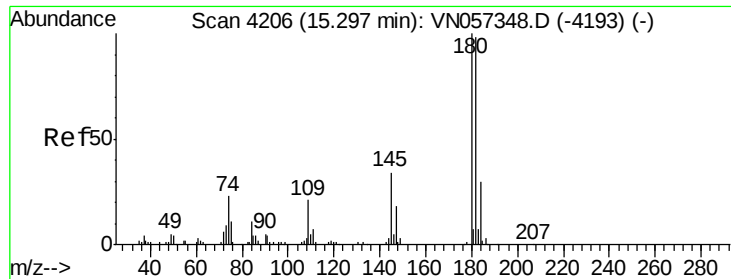
#91
Naphthalene
Concen: 11.666 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057354.D
Acq: 16 Aug 2019 14:40

Tgt Ion:128 Resp: 138213
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

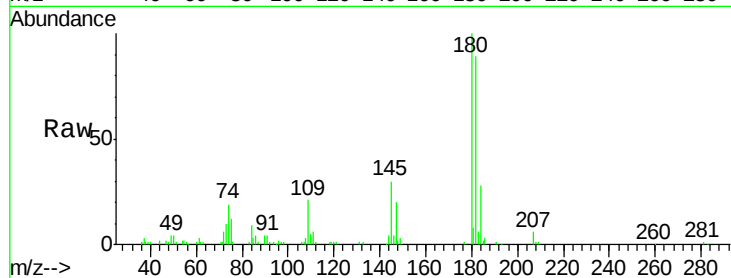




#92
 1,2,3-Trichlorobenzene
 Concen: 13.767 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057354.D
 Acq: 16 Aug 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	192.4
145	30.0	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

