

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
 Data File : VN059088.D
 Acq On : 5 Nov 2019 13:37
 Operator : JC/SP
 Sample : VN1105WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Quant Time: Nov 06 00:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	451348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	628217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	278200	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
35) Dibromofluoromethane	7.57	113	212880	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	10.08	98	833802	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	293289	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89924	18.427	ug/l	98
3) Chloromethane	2.04	50	119174	18.010	ug/l	99
4) Vinyl Chloride	2.17	62	118249	18.410	ug/l	99
5) Bromomethane	2.55	94	68804	18.119	ug/l	96
6) Chloroethane	2.69	64	71183	18.096	ug/l	100
7) Trichlorofluoromethane	3.00	101	143869	18.850	ug/l	99
8) Diethyl Ether	3.39	74	56846	19.072	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85952	19.106	ug/l	97
10) Methyl Iodide	3.93	142	101787	18.616	ug/l	100
11) Tert butyl alcohol	4.74	59	91679	82.869	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81949	18.317	ug/l	96
13) Acrolein	3.58	56	57461	82.313	ug/l	99
14) Allyl chloride	4.30	41	162843	18.369	ug/l	97
15) Acrylonitrile	4.95	53	258914	93.295	ug/l	99
16) Acetone	3.79	43	298815	98.742	ug/l	98
17) Carbon Disulfide	4.03	76	249981	17.575	ug/l	99
18) Methyl Acetate	4.29	43	132210	17.245	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	289902	19.025	ug/l	99
20) Methylene Chloride	4.52	84	97420	18.389	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	89054	18.541	ug/l	99
22) Diisopropyl ether	5.92	45	332586	19.696	ug/l	96
23) Vinyl Acetate	5.86	43	1347954	100.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	181414	18.791	ug/l	99
25) 2-Butanone	6.81	43	377730	93.740	ug/l	99
26) 2,2-Dichloropropane	6.80	77	158904	18.963	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	102127	18.884	ug/l	98
28) Bromochloromethane	7.17	49	52902	17.755	ug/l	99
29) Tetrahydrofuran	7.18	42	238743	93.880	ug/l	100
30) Chloroform	7.35	83	174423	18.894	ug/l	99
31) Cyclohexane	7.63	56	167655	18.207	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	149197	19.102	ug/l	100
36) 1,1-Dichloropropene	7.77	75	131579	19.176	ug/l	100
37) Ethyl Acetate	6.90	43	148778	19.515	ug/l	99
38) Carbon Tetrachloride	7.75	117	131322	19.638	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	151820	19.143	ug/l	97
40) Benzene	8.02	78	397042	19.498	ug/l	100
41) Methacrylonitrile	7.18	41	208322	63.191	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	141980	20.076	ug/l	99
43) Isopropyl Acetate	8.14	43	228999	19.207	ug/l	99
44) Trichloroethene	8.82	130	100137	19.987	ug/l	99
45) 1,2-Dichloropropane	9.10	63	109902	19.956	ug/l	98
46) Dibromomethane	9.19	93	66004	19.392	ug/l	100
47) Bromodichloromethane	9.39	83	136146	19.751	ug/l	99
48) Methyl methacrylate	9.18	41	100870	18.555	ug/l	99
49) 1,4-Dioxane	9.18	88	33057	372.783	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	715586	103.319	ug/l	98
52) Toluene	10.15	92	242126	20.293	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	152631	19.149	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	166720	19.830	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	96698	19.895	ug/l	100
56) Ethyl methacrylate	10.42	69	141221	18.343	ug/l	99
57) 1,3-Dichloropropane	10.70	76	170020	20.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	290045	97.954	ug/l	100
59) 2-Hexanone	10.75	43	533161	101.330	ug/l	99
60) Dibromochloromethane	10.90	129	101305	19.340	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96883	19.676	ug/l	100
64) Tetrachloroethene	10.63	164	87627	19.968	ug/l	100
65) Chlorobenzene	11.43	112	251897	19.537	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	92015	19.397	ug/l	98
67) Ethyl Benzene	11.51	91	448529	20.095	ug/l	100
68) m/p-Xylenes	11.62	106	329140	39.491	ug/l	99
69) o-Xylene	11.95	106	158222	19.880	ug/l	99
70) Styrene	11.96	104	251486	19.499	ug/l	98
71) Bromoform	12.13	173	70021	19.070	ug/l #	99
73) Isopropylbenzene	12.25	105	428030	20.340	ug/l	100
74) N-amyl acetate	12.07	43	174949	18.689	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	143795	19.183	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	188021	27.777	ug/l #	100
77) Bromobenzene	12.53	156	102146	19.413	ug/l	98
78) n-propylbenzene	12.59	91	502306	20.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	299986	19.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358892	20.067	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48793	18.479	ug/l	93
82) 4-Chlorotoluene	12.78	91	302722	19.600	ug/l	98
83) tert-Butylbenzene	13.00	119	302539	19.913	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	356757	20.529	ug/l	98
85) sec-Butylbenzene	13.17	105	405274	20.353	ug/l	99
86) p-Isopropyltoluene	13.29	119	365897	20.382	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	178383	19.081	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177358	19.179	ug/l	98
89) n-Butylbenzene	13.62	91	313404	20.036	ug/l	99
90) Hexachloroethane	13.88	117	69437	19.458	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179924	19.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29631	18.300	ug/l	92

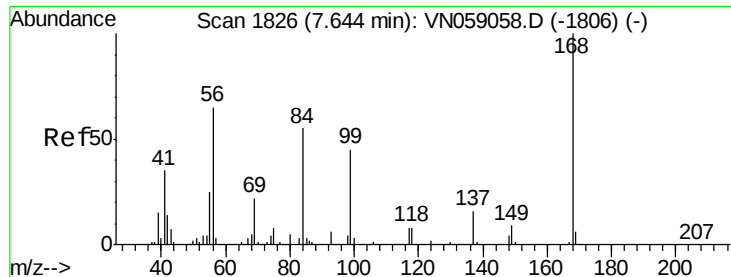
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110519\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95141	18.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	59662	19.813	ug/l	99
95) Naphthalene	15.13	128	247235	17.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	95068	18.618	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

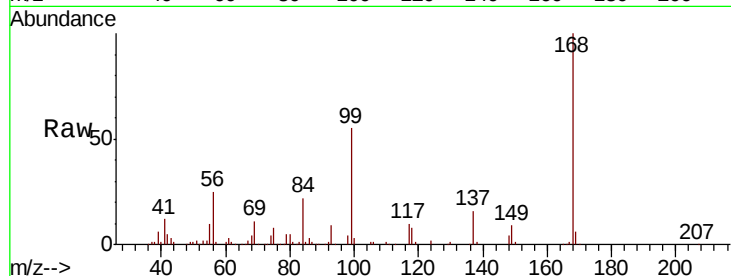
VN1105WBS01

Tot Ion:168 Resp: 451348

Ion Ratio Lower Upper

168 100

99 55.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

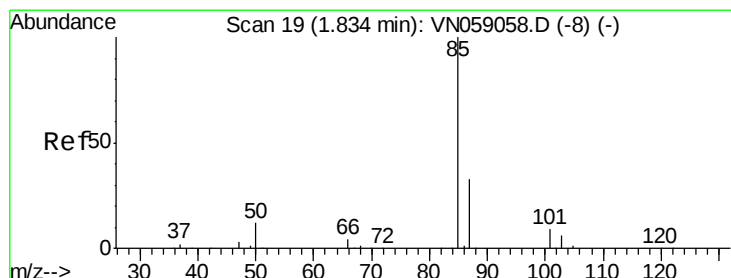
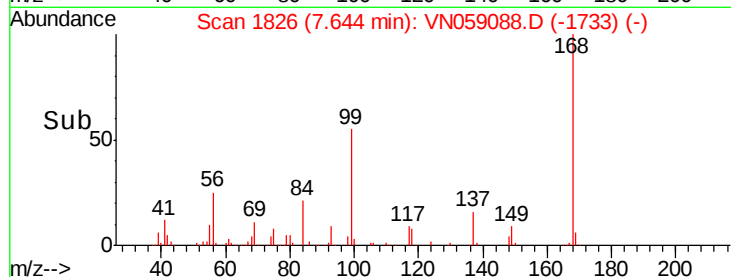
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.427 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059088.D

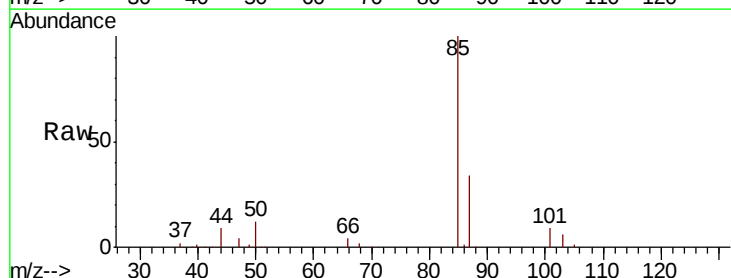
Acq: 5 Nov 2019 13:37

Tgt Ion: 85 Resp: 89924

Ion Ratio Lower Upper

85 100

87 33.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

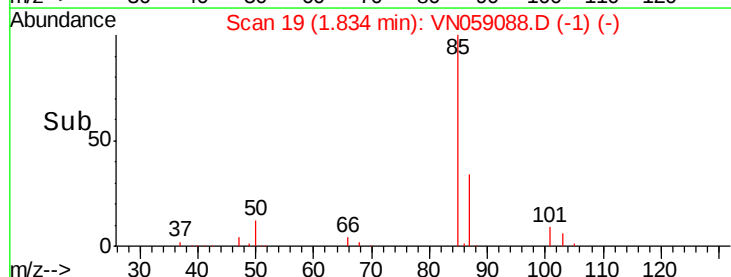
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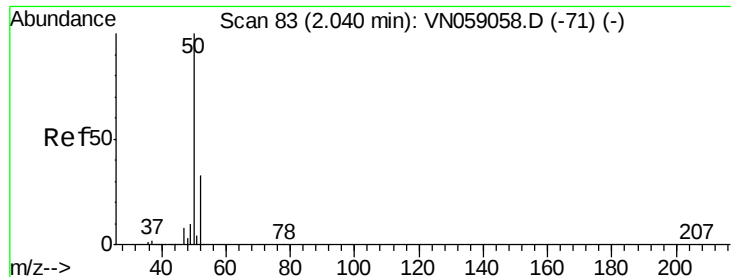
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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.010 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

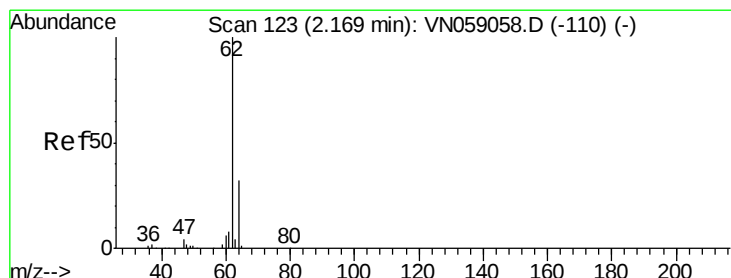
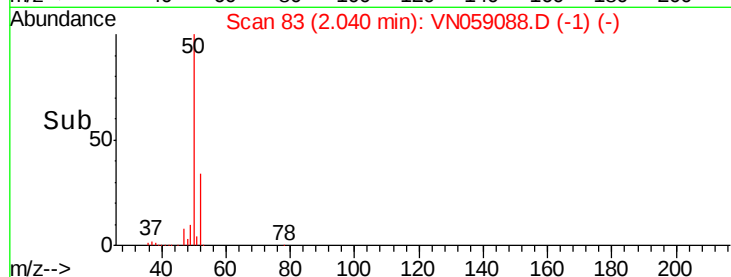
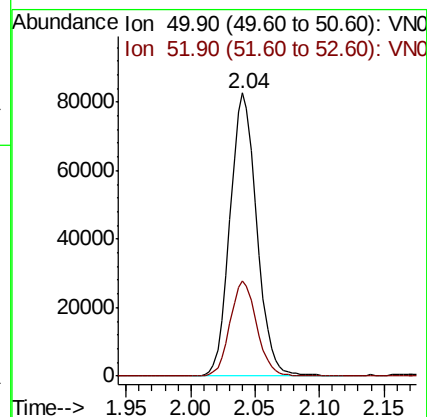
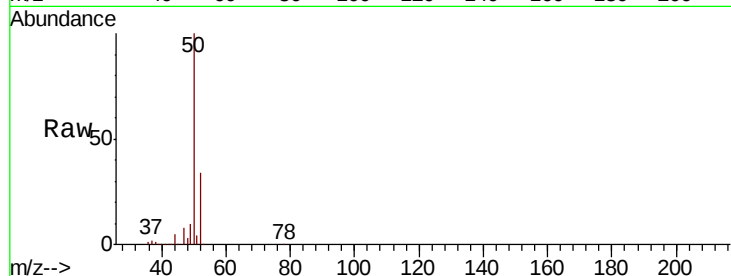
VN1105WBS01

Tot Ion: 50 Resp: 119174

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



#4

Vinyl Chloride

Concen: 18.410 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059088.D

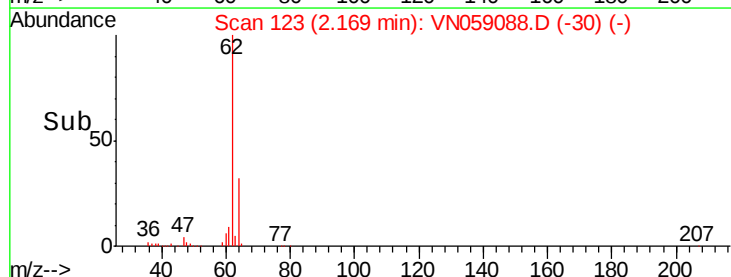
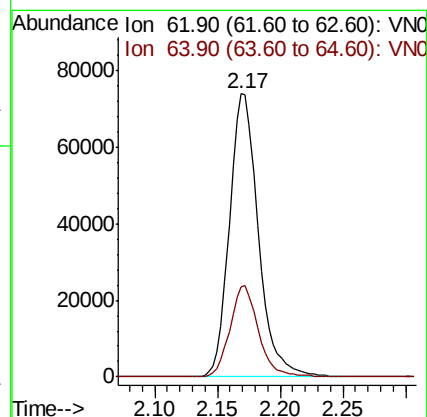
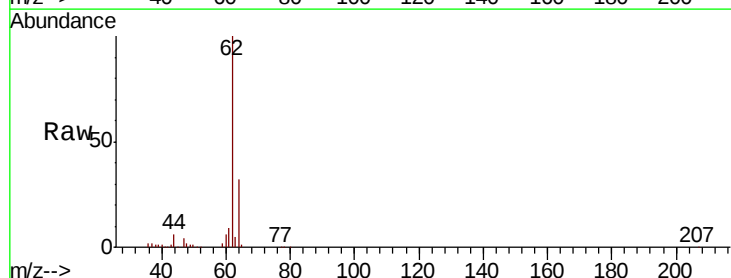
Acq: 5 Nov 2019 13:37

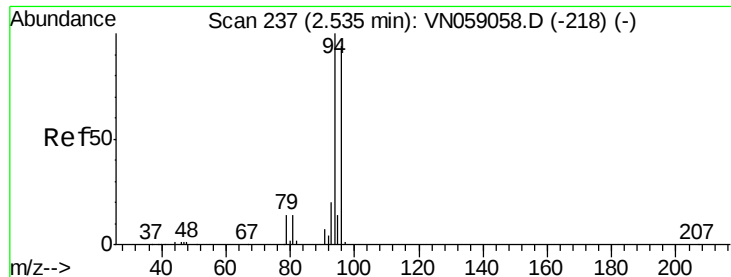
Tgt Ion: 62 Resp: 118249

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 18.119 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

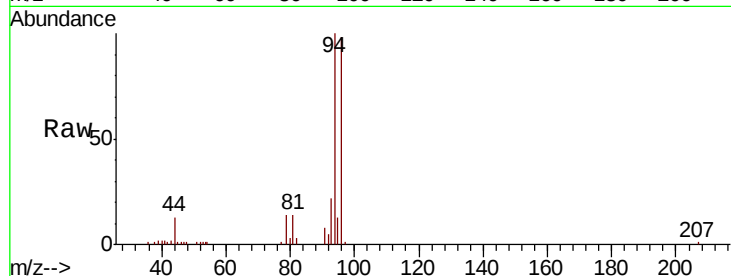
VN1105WBS01

Tot Ion: 94 Resp: 68804

Ion Ratio Lower Upper

94 100

96 97.8 75.1 112.7

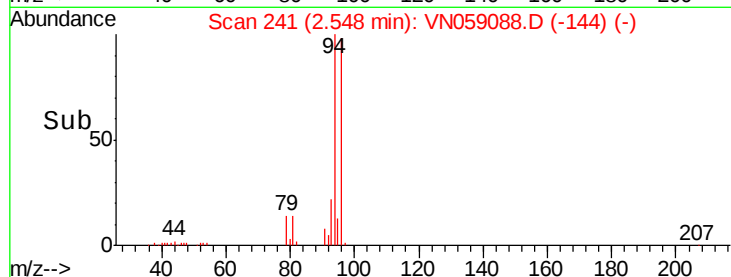


Abundance Ion 93.90 (93.60 to 94.60): VN059088.D (-241) (-)

Ion 95.90 (95.60 to 96.60): VN059088.D (-241) (-)

2.55

Time-->

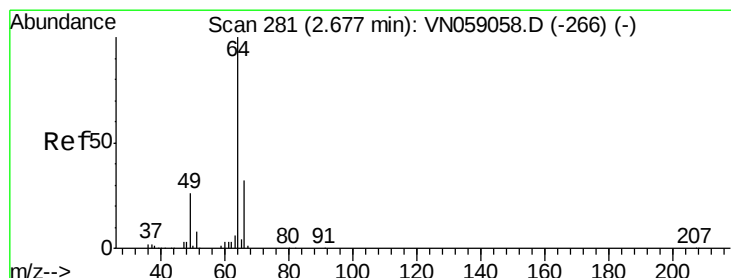


Abundance Ion 93.90 (93.60 to 94.60): VN059088.D (-241) (-)

Ion 95.90 (95.60 to 96.60): VN059088.D (-241) (-)

2.55

Time-->



#6

Chloroethane

Concen: 18.096 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059088.D

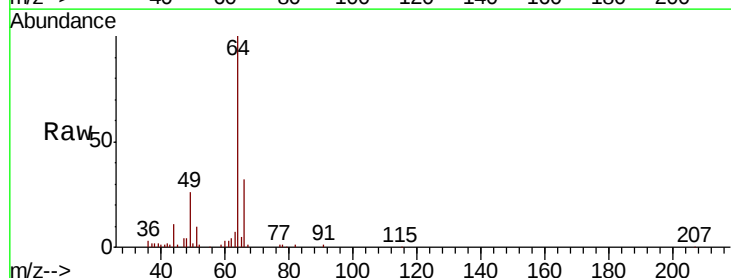
Acq: 5 Nov 2019 13:37

Tgt Ion: 64 Resp: 71183

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4

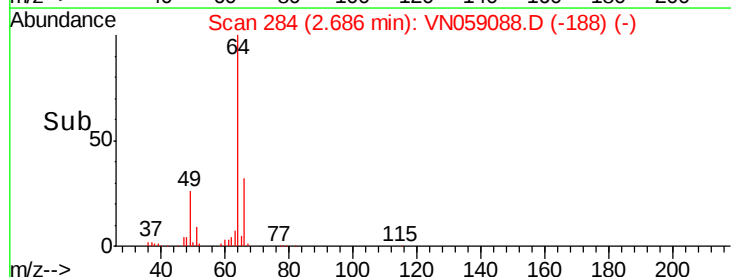


Abundance Ion 63.90 (63.60 to 64.60): VN059088.D (-284) (-)

Ion 65.90 (65.60 to 66.60): VN059088.D (-284) (-)

2.69

Time-->

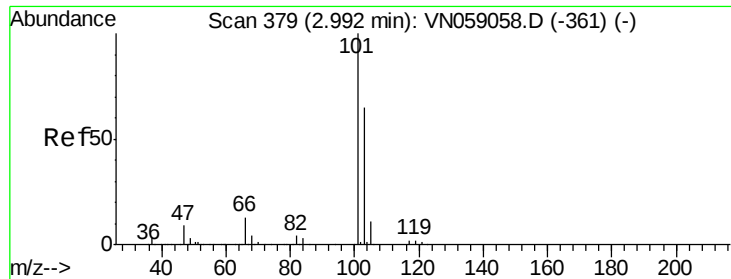


Abundance Ion 63.90 (63.60 to 64.60): VN059088.D (-284) (-)

Ion 65.90 (65.60 to 66.60): VN059088.D (-284) (-)

2.69

Time-->

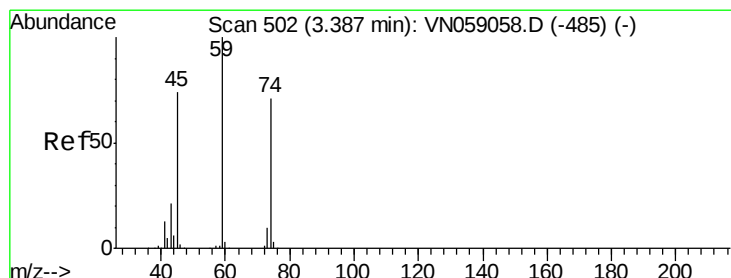
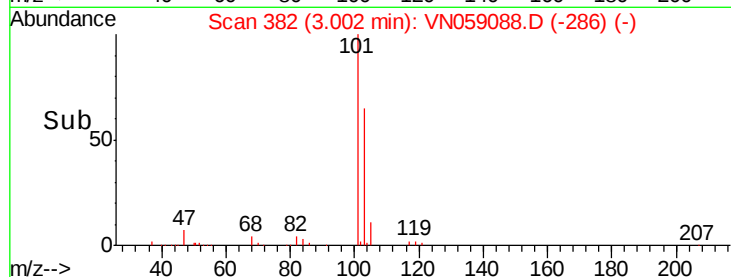
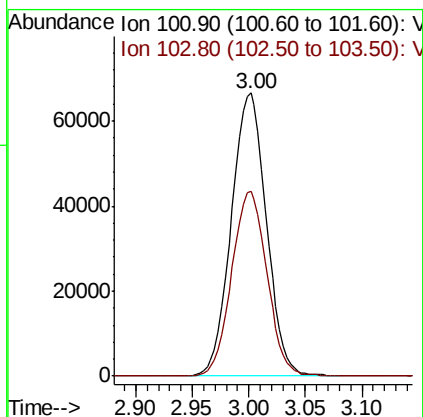
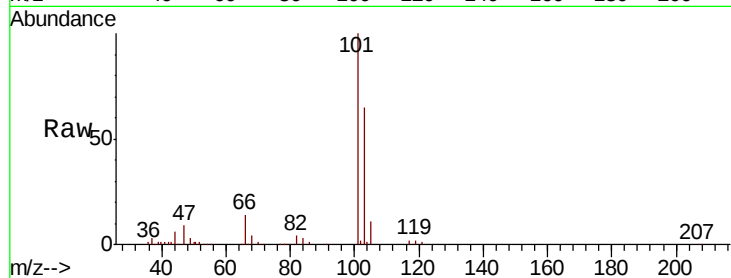


#7

Trichlorofluoromethane
Concen: 18.850 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

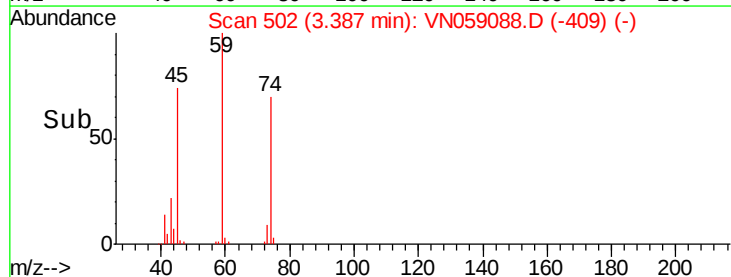
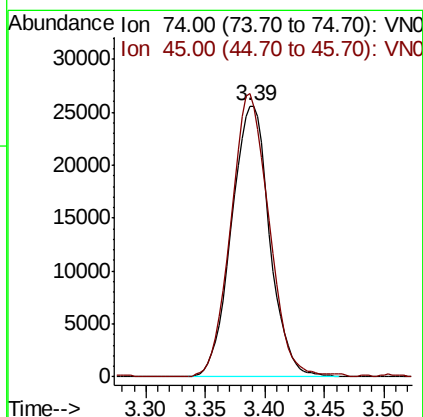
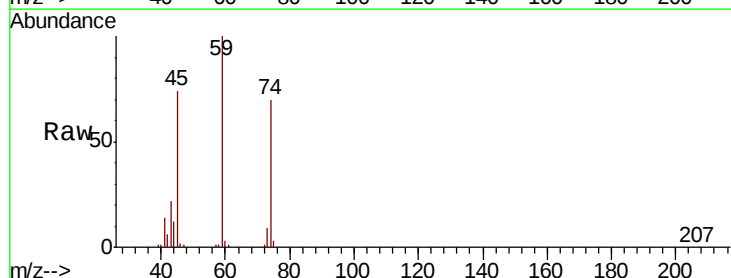
Tot Ion:101 Resp: 143869
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

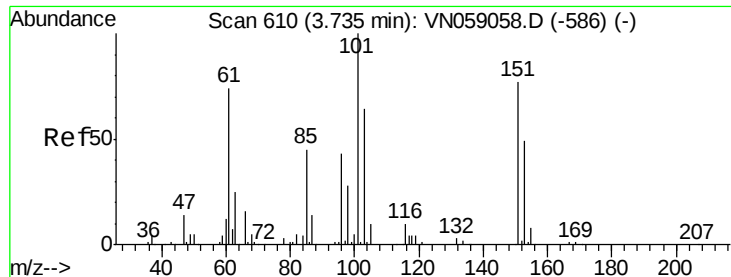


#8

Diethyl Ether
Concen: 19.072 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 74 Resp: 56846
Ion Ratio Lower Upper
74 100
45 105.0 52.8 158.3

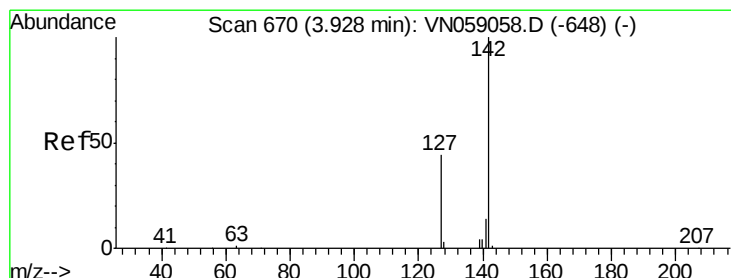
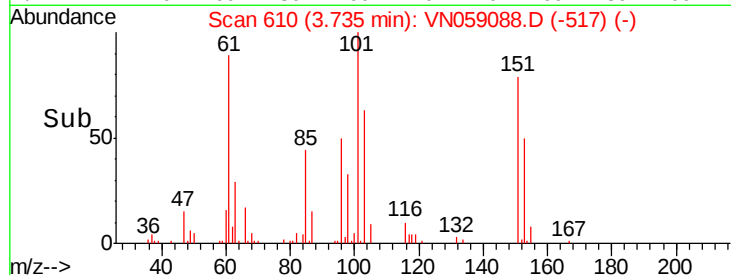
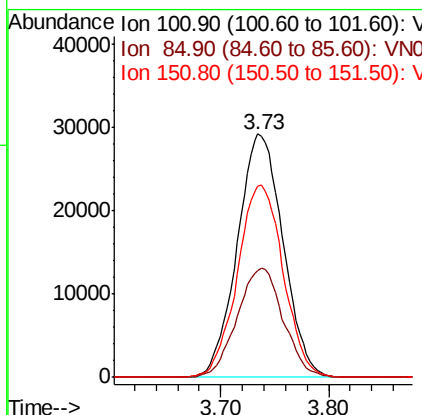
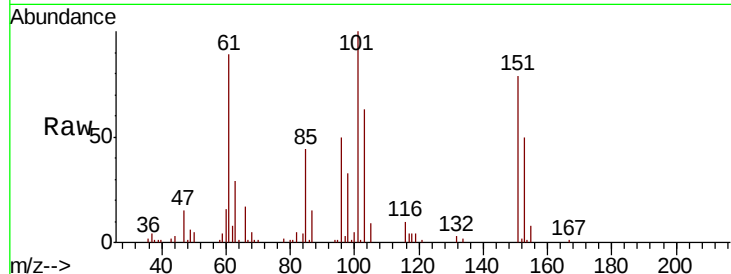




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.106 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

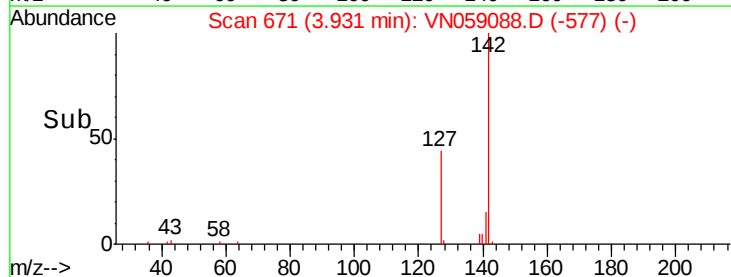
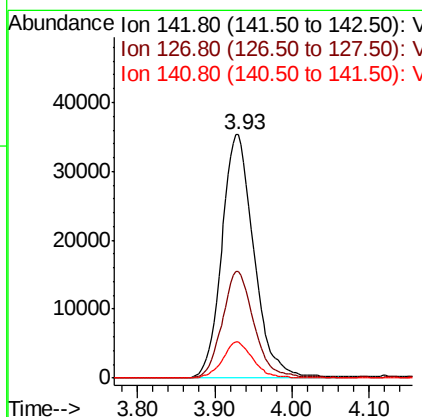
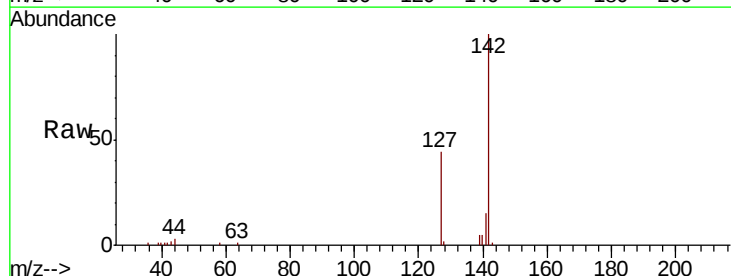
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

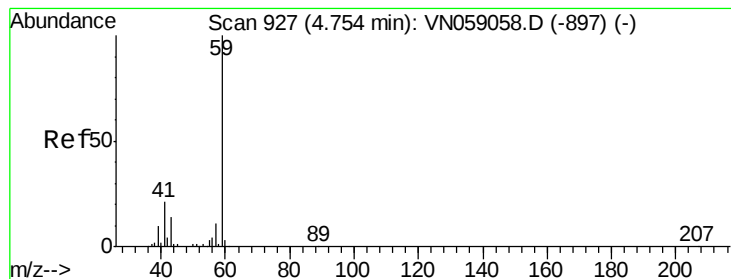
Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.0	52.6
151	79.2	61.3	91.9



#10
 Methyl Iodide
 Concen: 18.616 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	34.2	51.2
141	14.0	11.1	16.7





#11

Tert butyl alcohol

Concen: 82.869 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

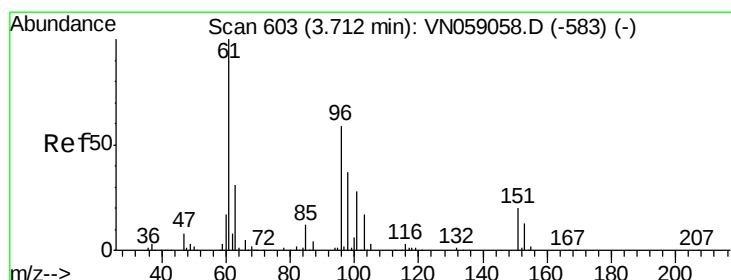
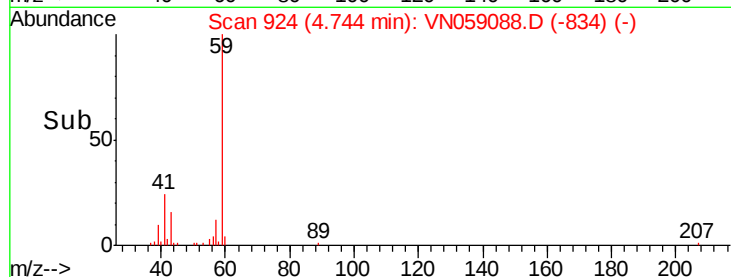
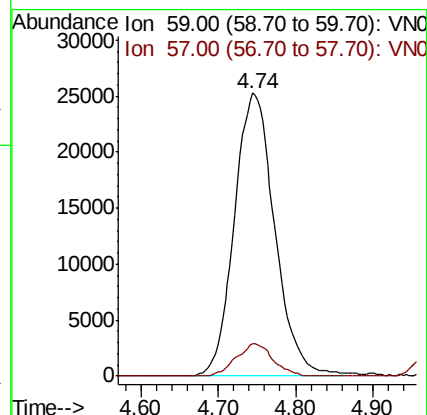
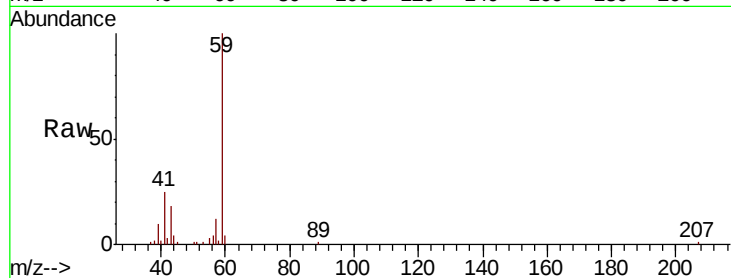
VN1105WBS01

Tot Ion: 59 Resp: 91679

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4



#12

1,1-Dichloroethene

Concen: 18.317 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

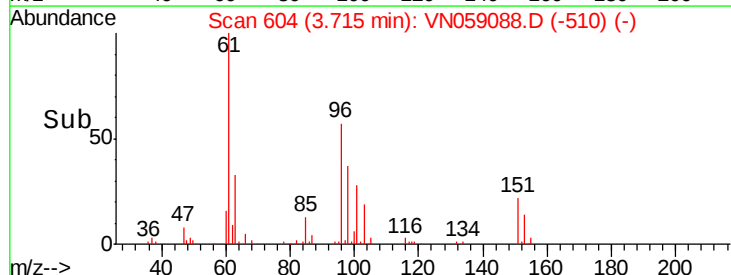
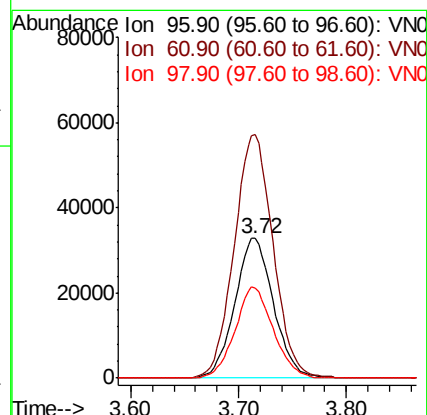
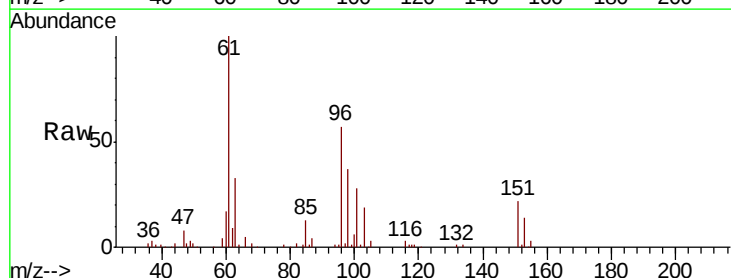
Tgt Ion: 96 Resp: 81949

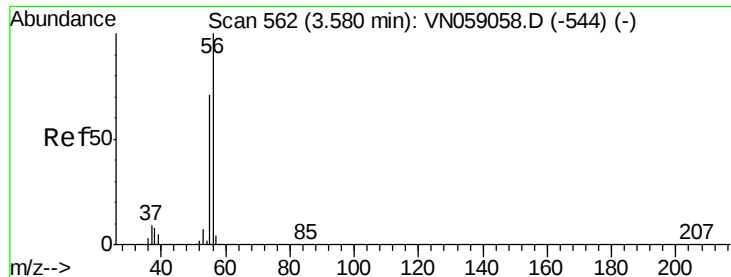
Ion Ratio Lower Upper

96 100

61 174.0 135.3 202.9

98 64.6 49.4 74.2





#13

Acrolein

Concen: 82.313 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

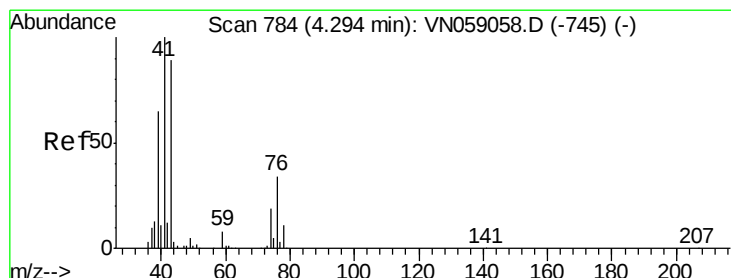
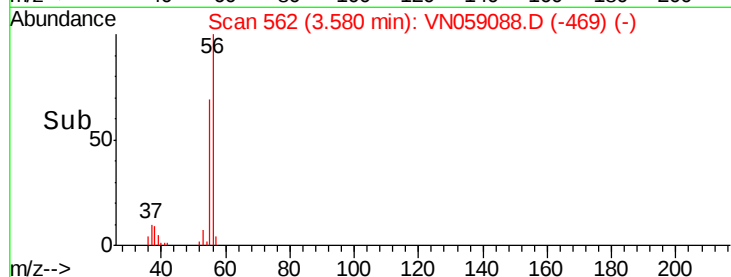
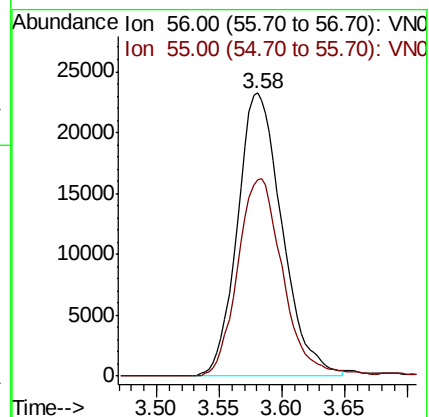
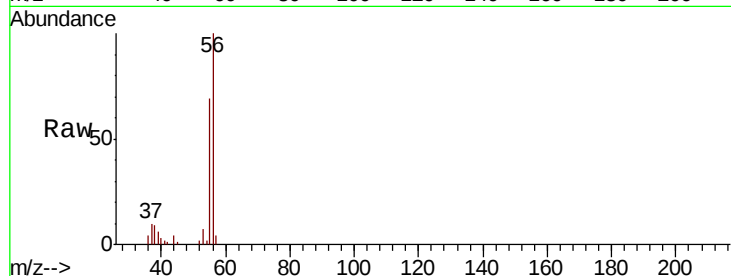
VN1105WBS01

Tot Ion: 56 Resp: 57461

Ion Ratio Lower Upper

56 100

55 70.6 56.1 84.1



#14

Allyl chloride

Concen: 18.369 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

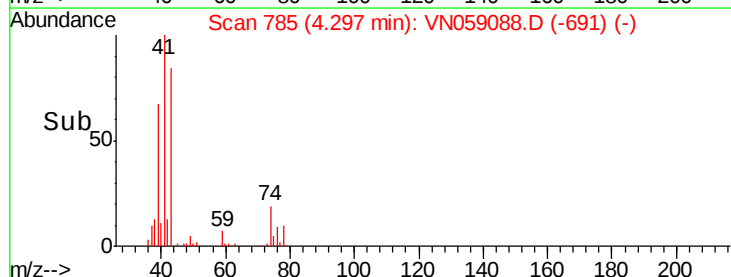
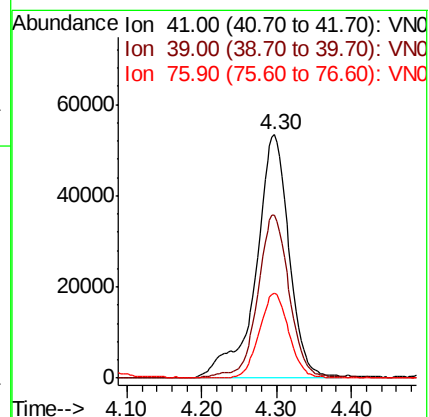
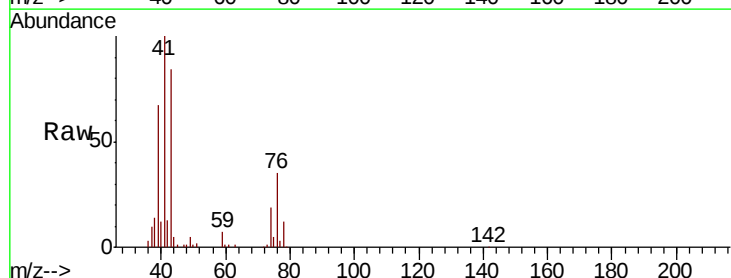
Tgt Ion: 41 Resp: 162843

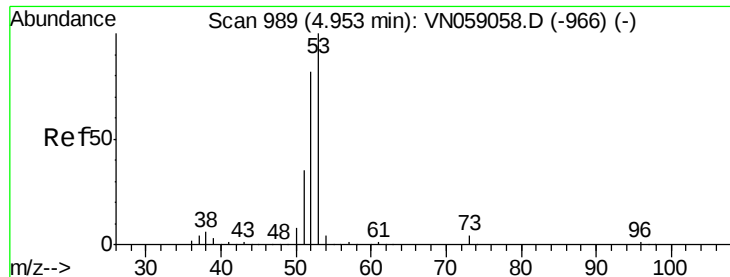
Ion Ratio Lower Upper

41 100

39 64.8 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 93.295 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

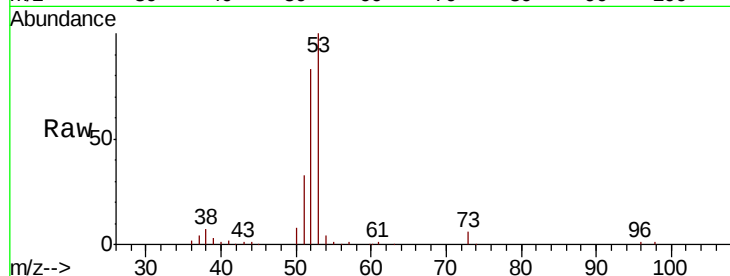
Tot Ion: 53 Resp: 258914

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

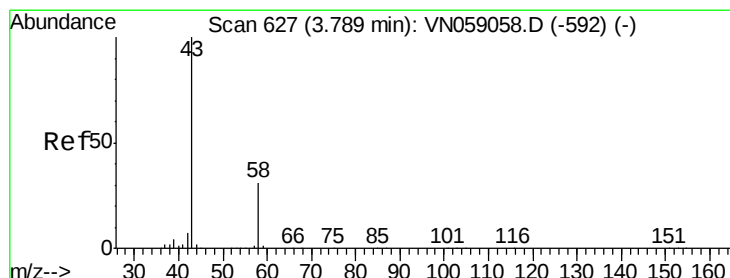
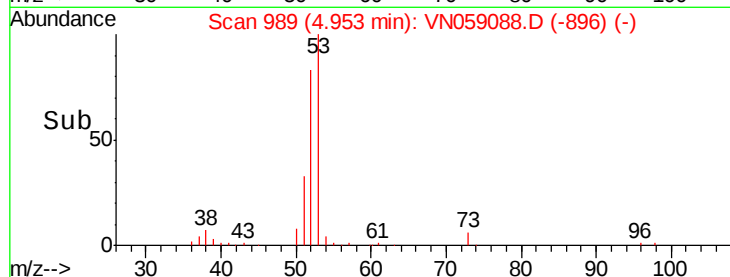
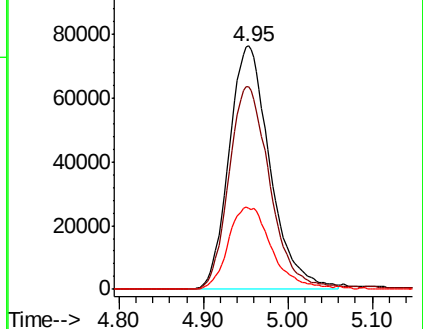
51 35.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN059088.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059088.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059088.D (-966) (-)



#16

Acetone

Concen: 98.742 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059088.D

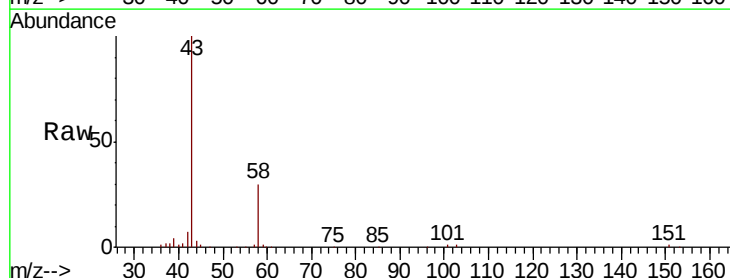
Acq: 5 Nov 2019 13:37

Tgt Ion: 43 Resp: 298815

Ion Ratio Lower Upper

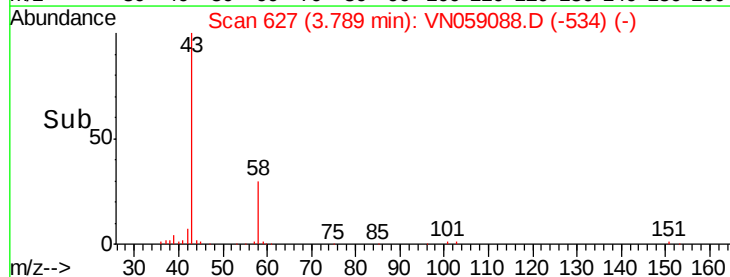
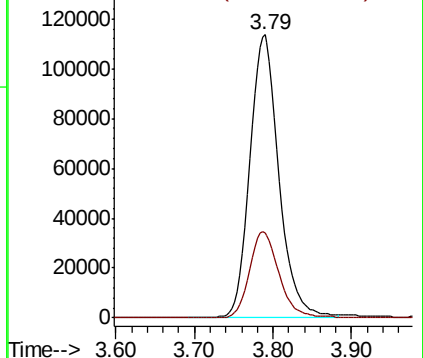
43 100

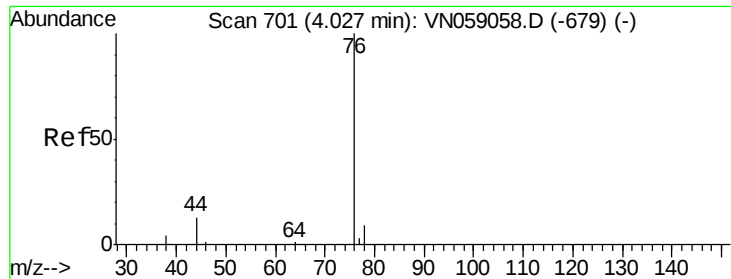
58 30.2 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN059088.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN059088.D (-592) (-)

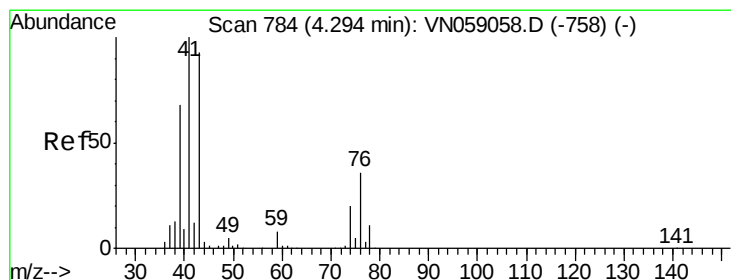
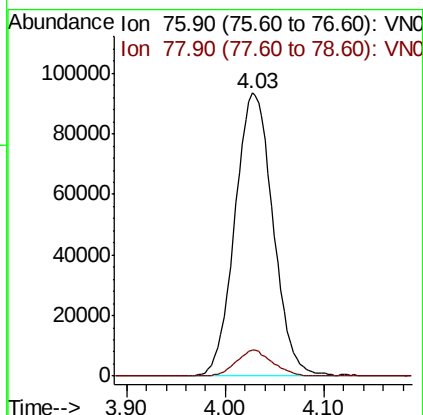
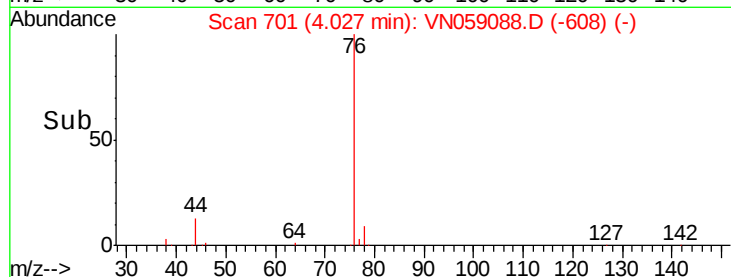
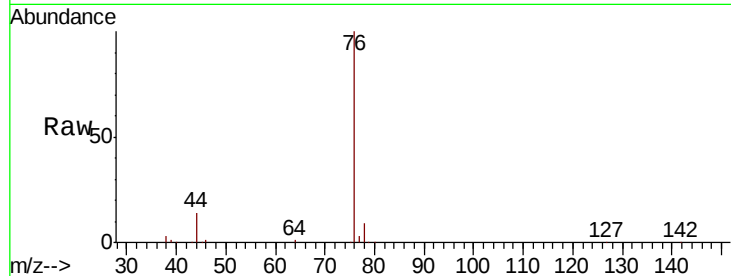




#17
Carbon Disulfide
Concen: 17.575 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

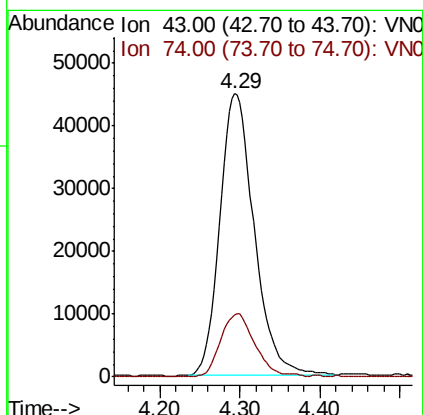
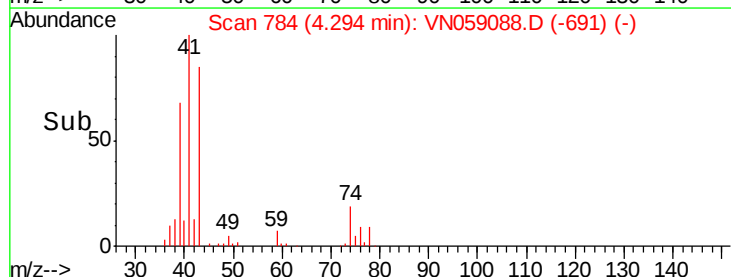
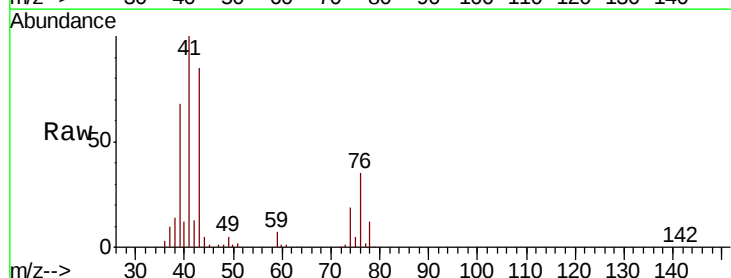
Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

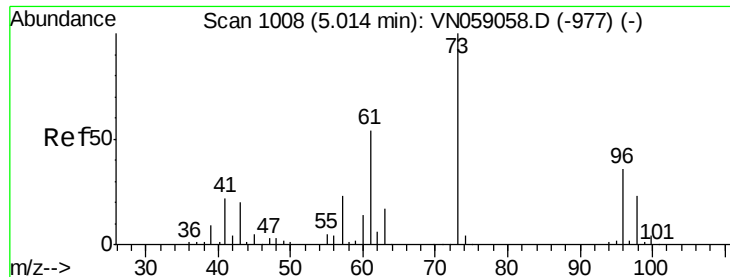
Tot Ion: 76 Resp: 249981
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 17.245 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 43 Resp: 132210
Ion Ratio Lower Upper
43 100
74 22.6 17.5 26.3

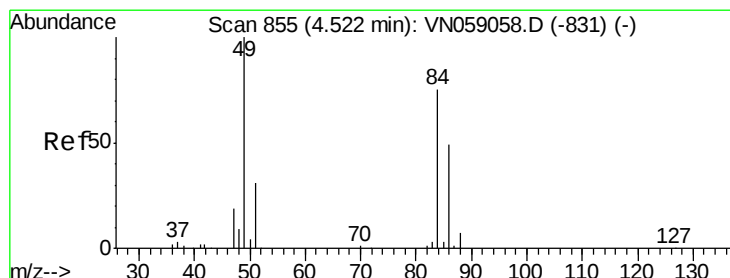
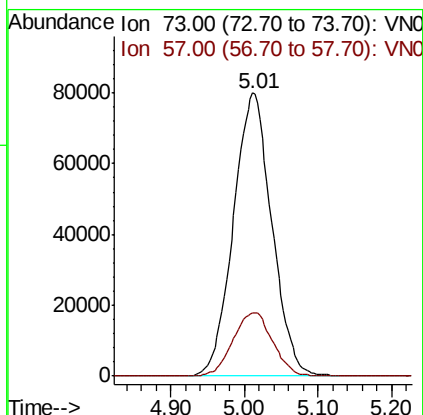
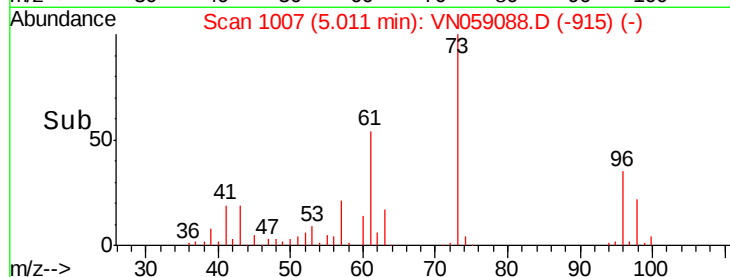
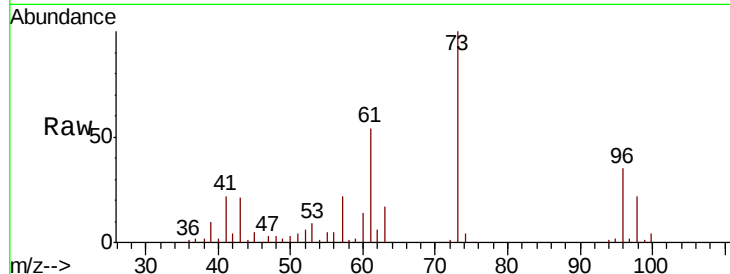




#19
Methyl tert-butyl Ether
Concen: 19.025 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

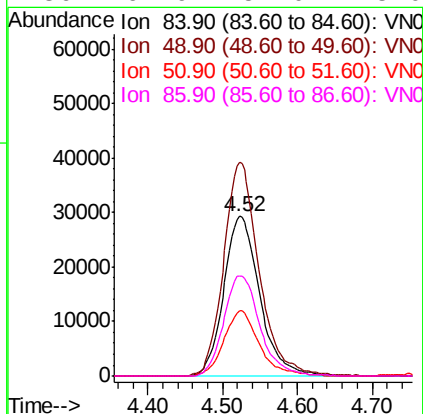
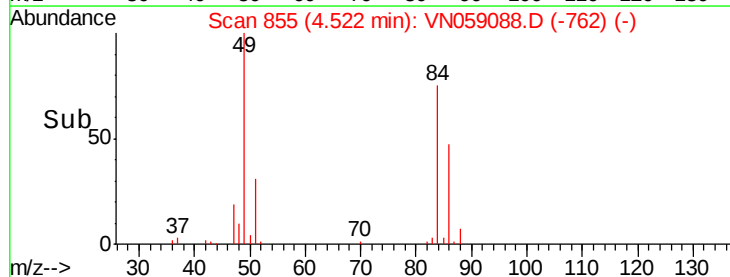
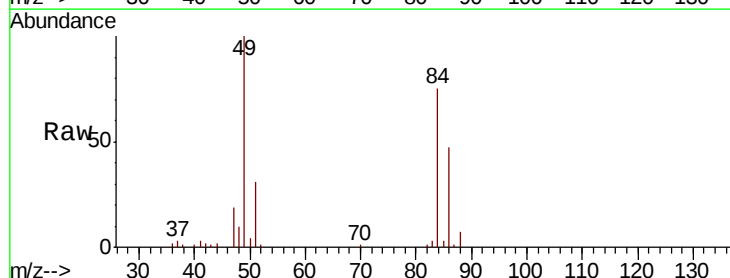
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

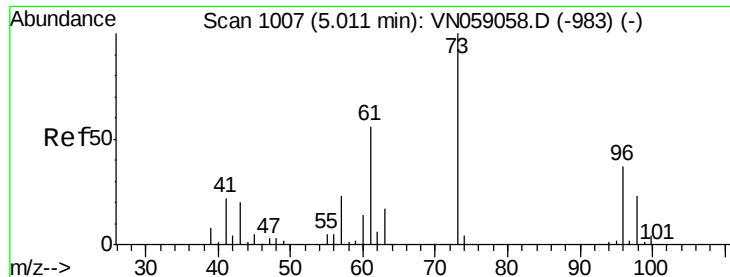
Tot Ion: 73 Resp: 289902
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 18.389 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 84 Resp: 97420
Ion Ratio Lower Upper
84 100
49 133.9 106.4 159.6
51 41.0 33.0 49.4
86 62.9 52.0 78.0

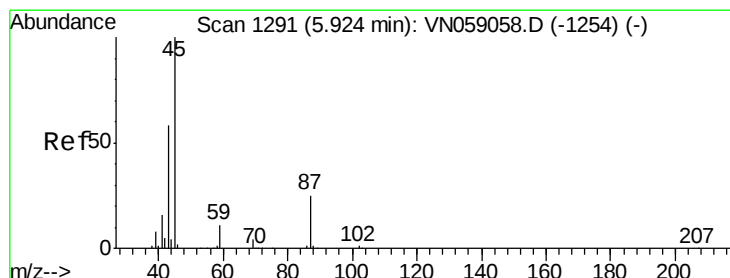
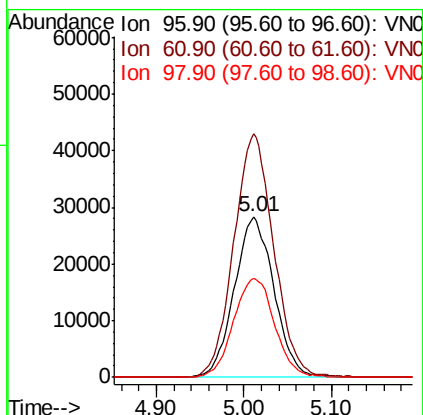
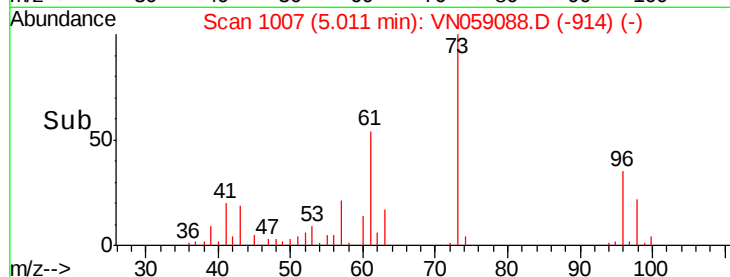
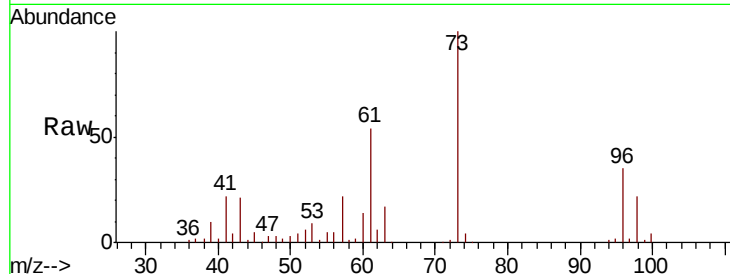




#21
trans-1,2-Dichloroethene
Concen: 18.541 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

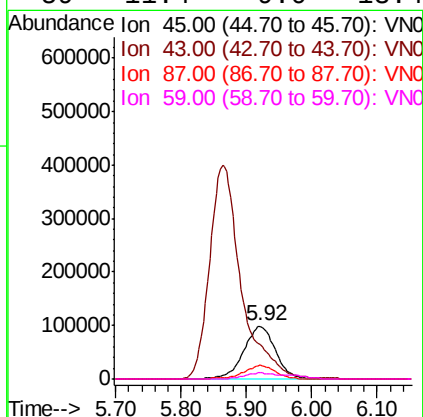
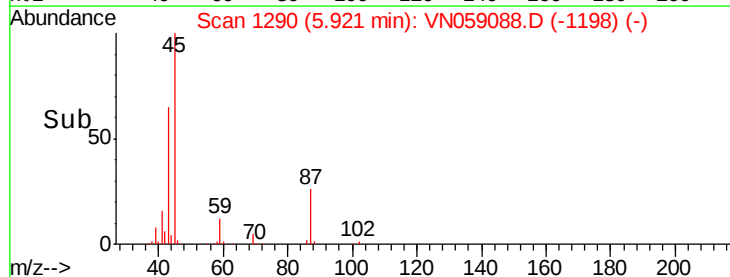
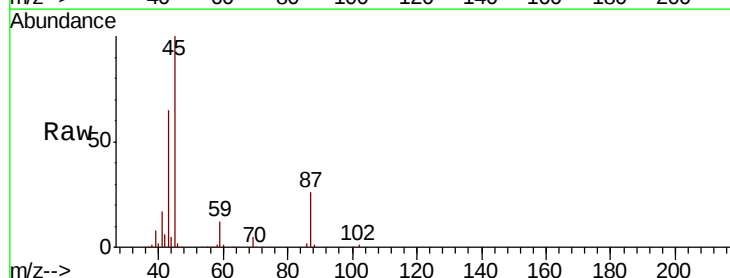
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

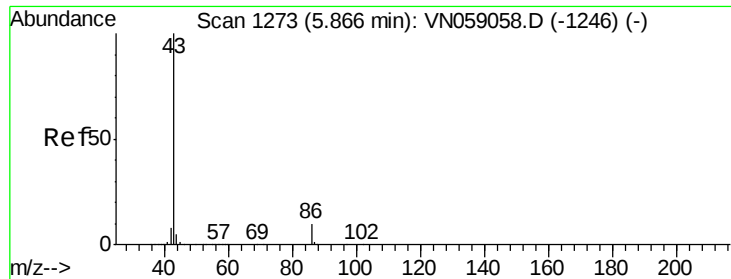
Tot Ion: 96 Resp: 89054
Ion Ratio Lower Upper
96 100
61 151.7 121.7 182.5
98 61.5 50.6 76.0



#22
Diisopropyl ether
Concen: 19.696 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 45 Resp: 332586
Ion Ratio Lower Upper
45 100
43 63.4 46.9 70.3
87 26.0 20.1 30.1
59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 100.224 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

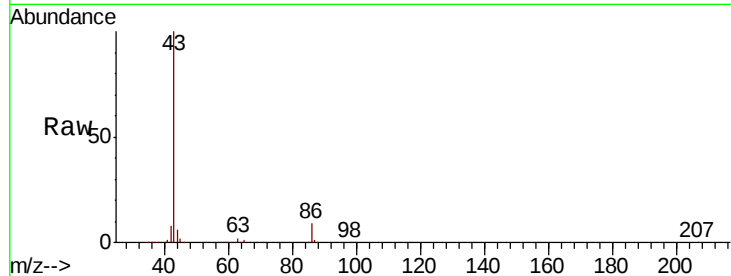
VN1105WBS01

Tot Ion: 43 Resp: 1347954

Ion Ratio Lower Upper

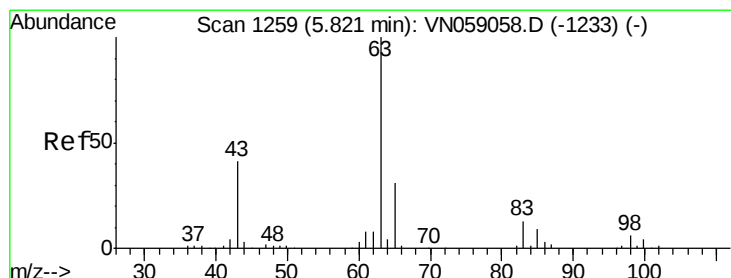
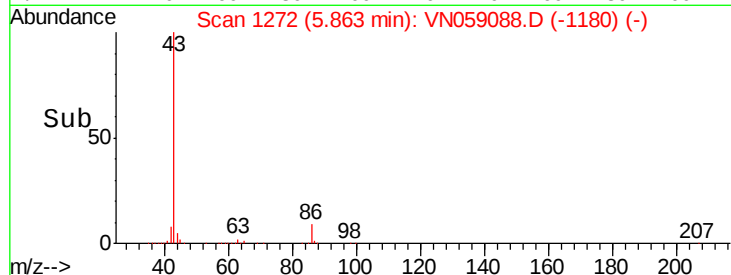
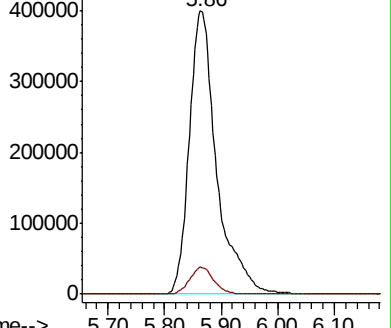
43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 18.791 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

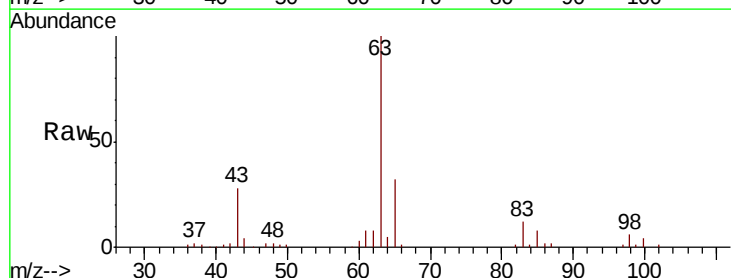
Tgt Ion: 63 Resp: 181414

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

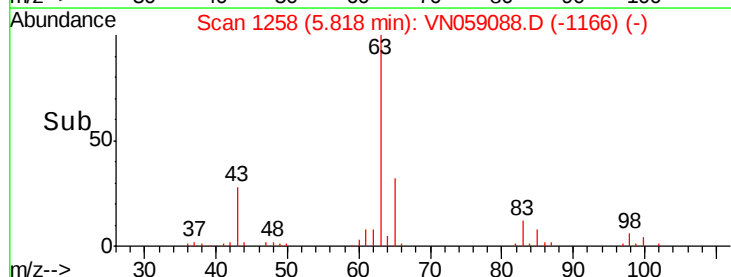
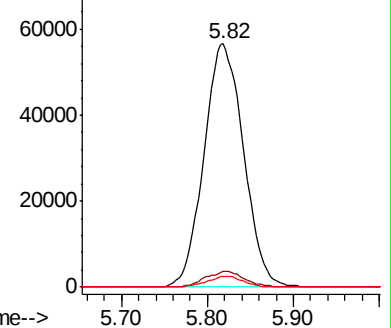
100 4.5 2.0 6.0

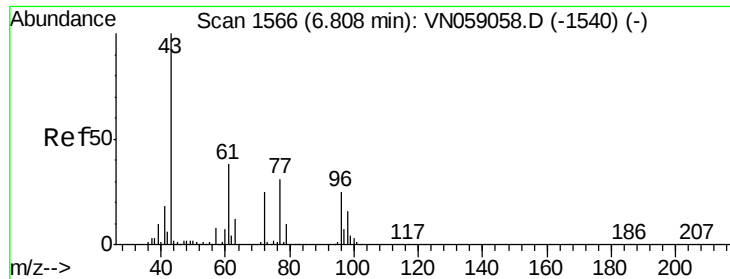


Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)





#25

2-Butanone

Concen: 93.740 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

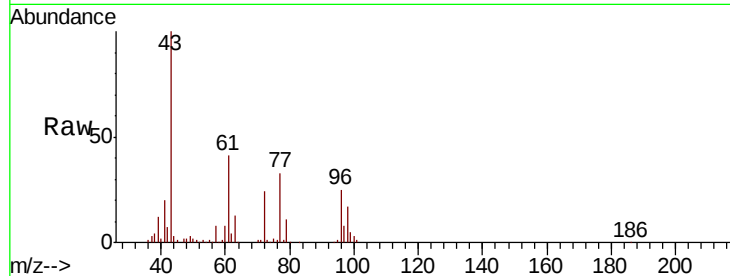
VN1105WBS01

Tot Ion: 43 Resp: 377730

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

150000

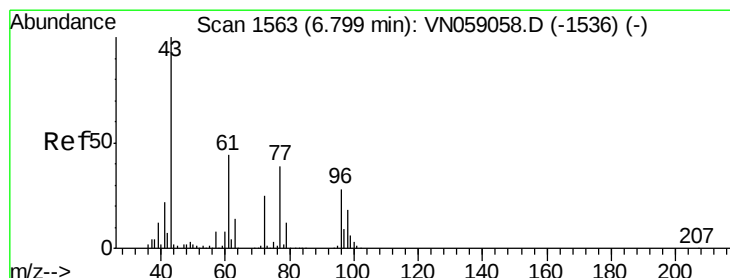
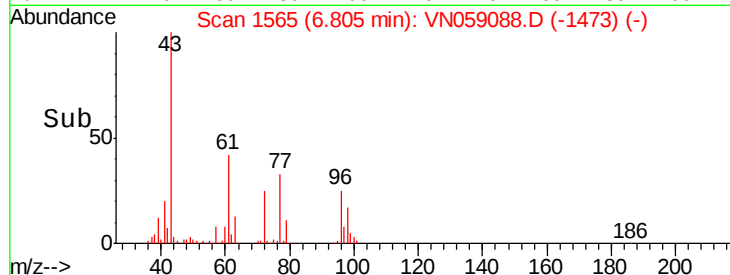
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.963 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059088.D

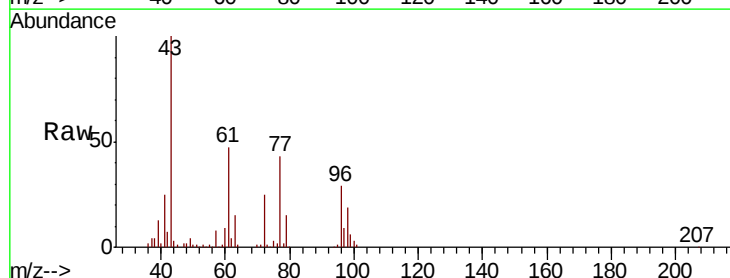
Acq: 5 Nov 2019 13:37

Tgt Ion: 77 Resp: 158904

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

50000

40000

30000

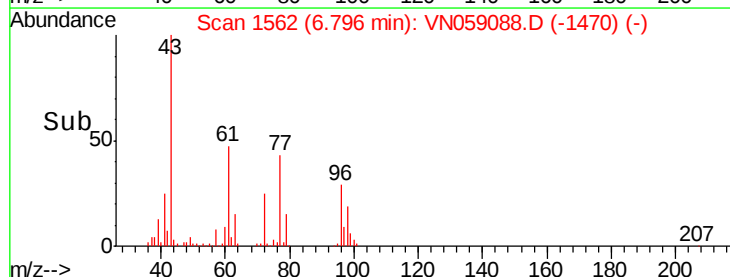
20000

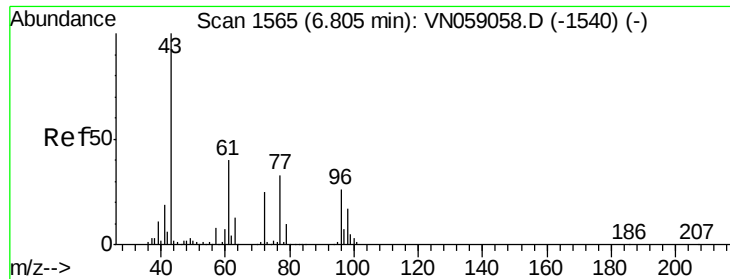
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.884 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

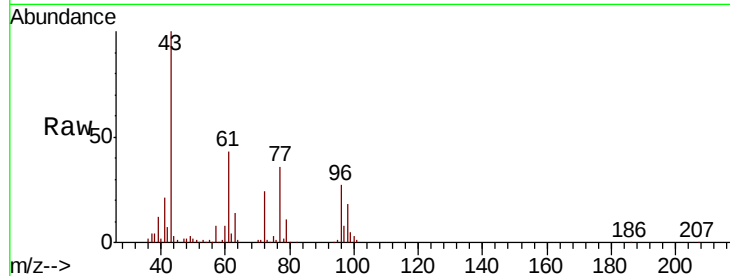
Tot Ion: 96 Resp: 102127

Ion Ratio Lower Upper

96 100

61 162.4 0.0 316.4

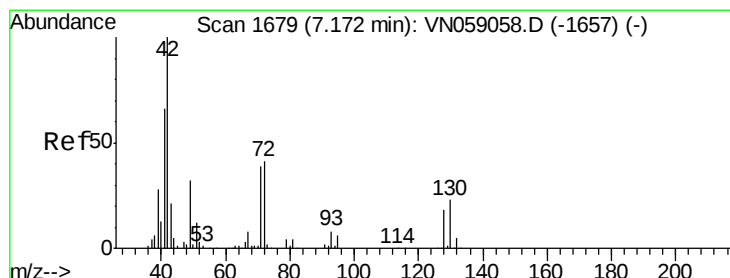
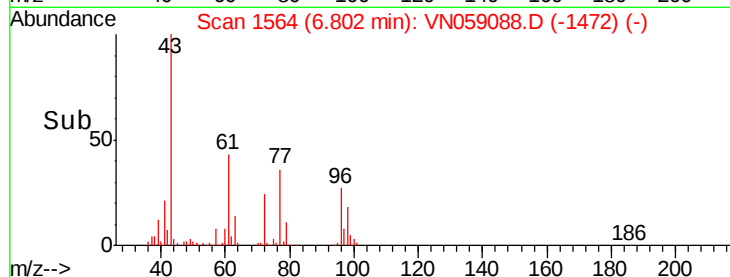
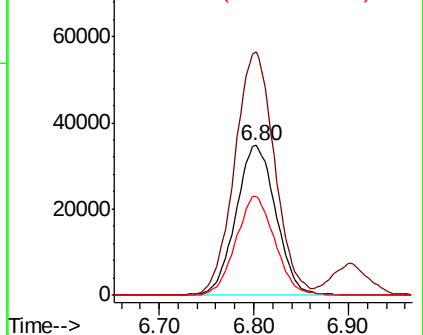
98 64.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059088.D (-1540) (-)

Ion 60.90 (60.60 to 61.60): VN059088.D (-1540) (-)

Ion 97.90 (97.60 to 98.60): VN059088.D (-1540) (-)



#28

Bromochloromethane

Concen: 17.755 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

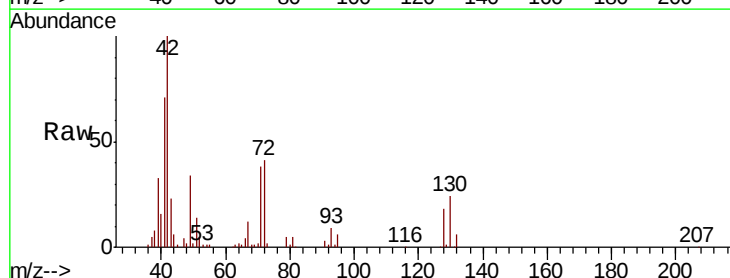
Tgt Ion: 49 Resp: 52902

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.4

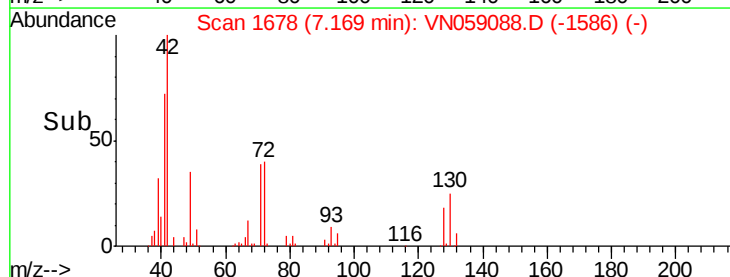
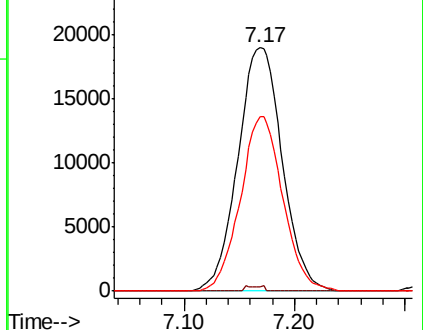
130 68.3 55.0 82.6

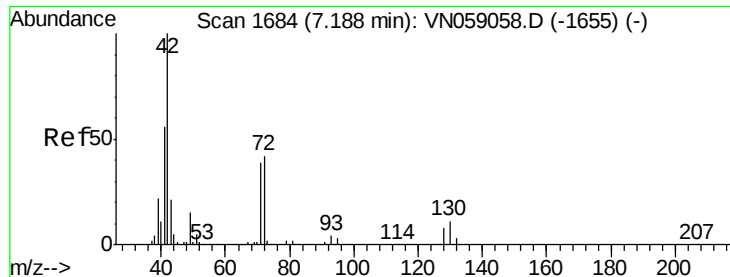


Abundance Ion 48.90 (48.60 to 49.60): VN059088.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059088.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059088.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 93.880 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

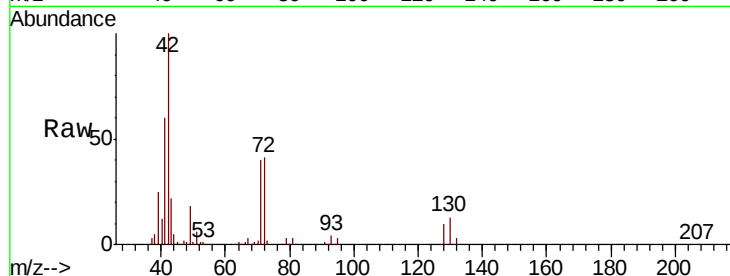
Tot Ion: 42 Resp: 238743

Ion Ratio Lower Upper

42 100

72 40.8 32.7 49.1

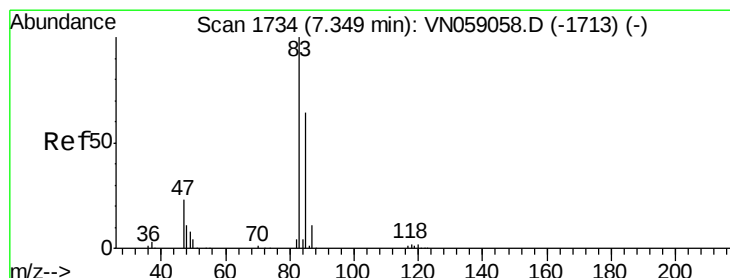
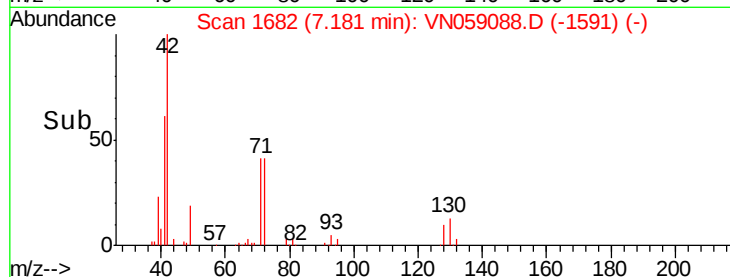
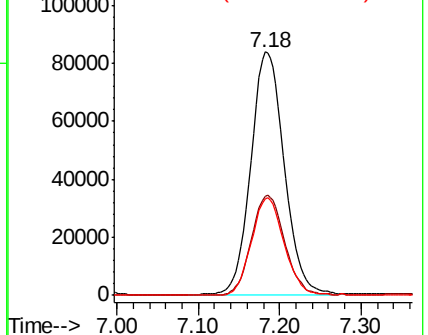
71 38.9 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.894 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059088.D

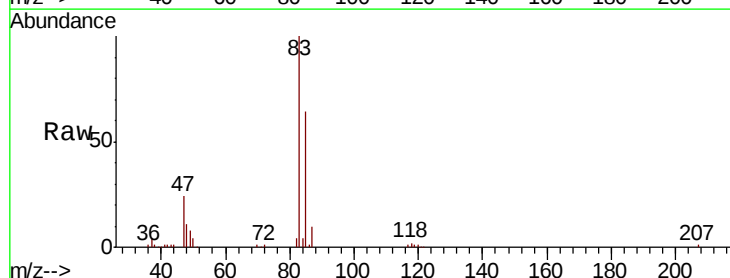
Acq: 5 Nov 2019 13:37

Tgt Ion: 83 Resp: 174423

Ion Ratio Lower Upper

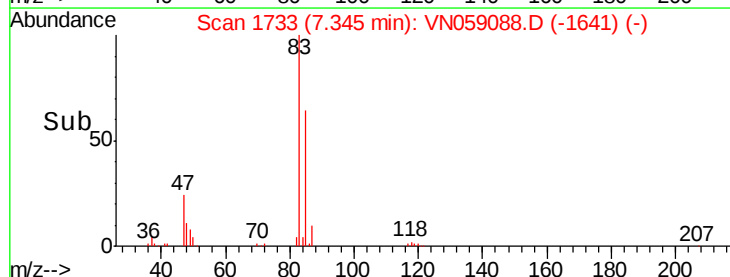
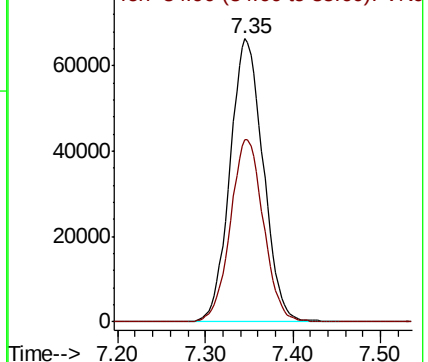
83 100

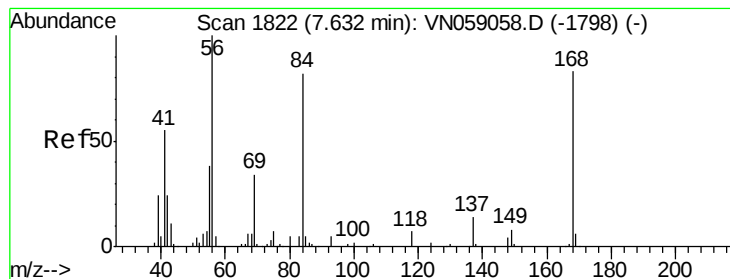
85 64.5 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.207 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

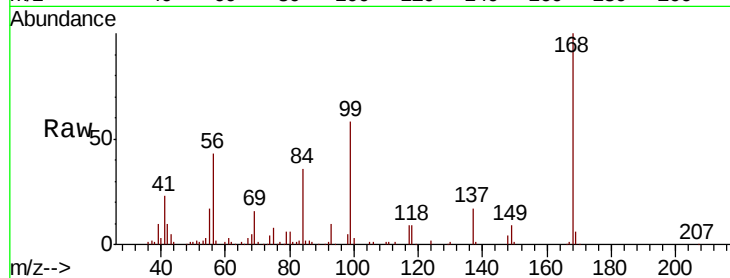
Tot Ion: 56 Resp: 167655

Ion Ratio Lower Upper

56 100

69 37.6 27.2 40.8

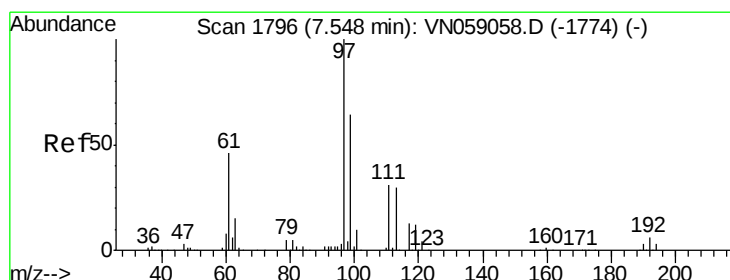
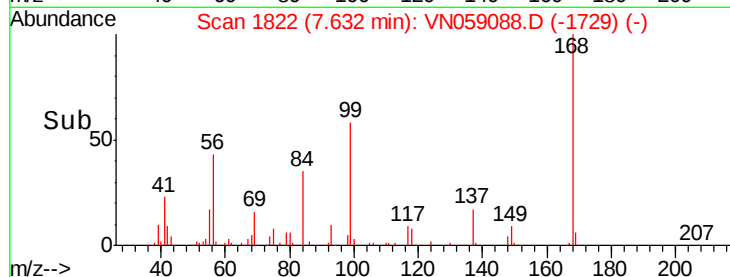
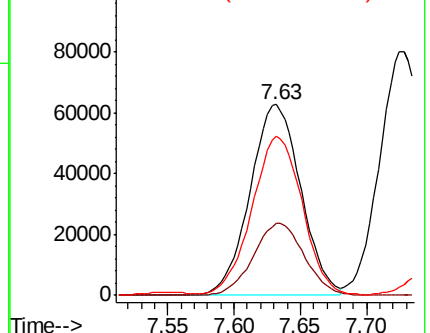
84 82.6 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VN059088.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059088.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059088.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 19.102 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

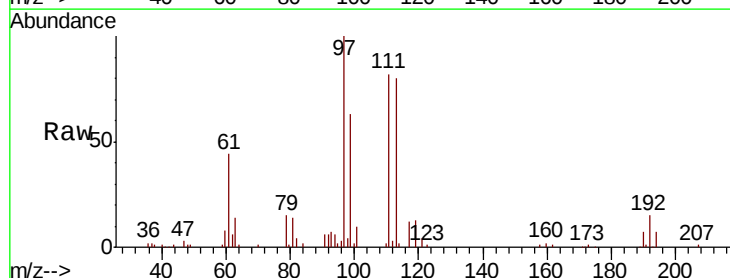
Tgt Ion: 97 Resp: 149197

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

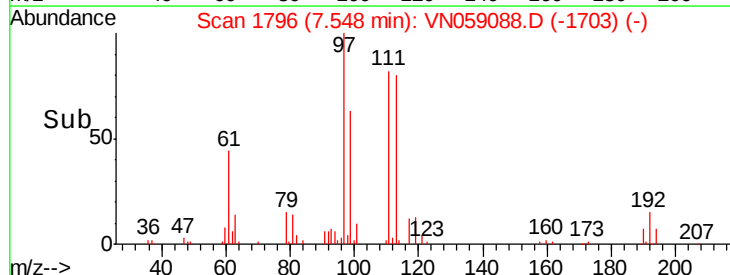
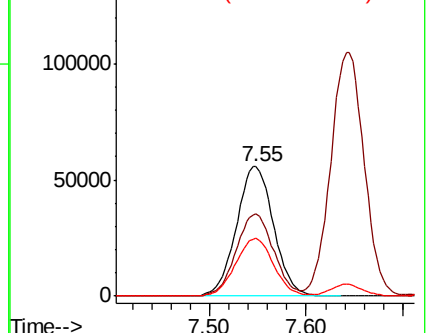
61 45.2 36.3 54.5

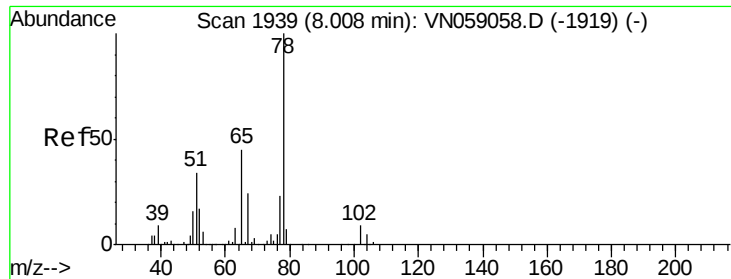


Abundance Ion 96.90 (96.60 to 97.60): VN059088.D (-1774) (-)

Ion 98.90 (98.60 to 99.60): VN059088.D (-1774) (-)

Ion 60.90 (60.60 to 61.60): VN059088.D (-1774) (-)





#33

1,2-Dichloroethane-d4

Concen: 46.541 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

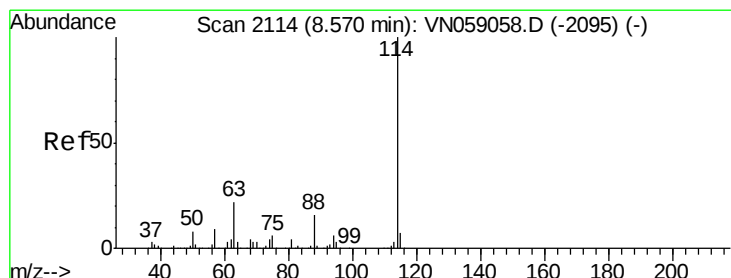
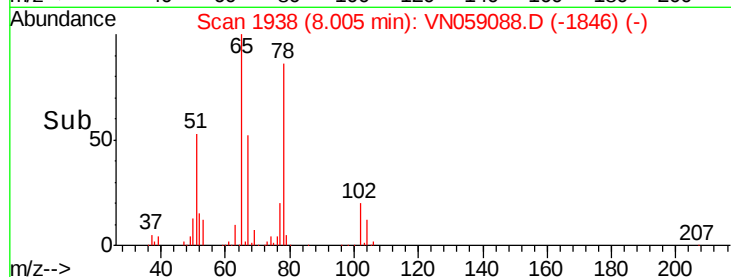
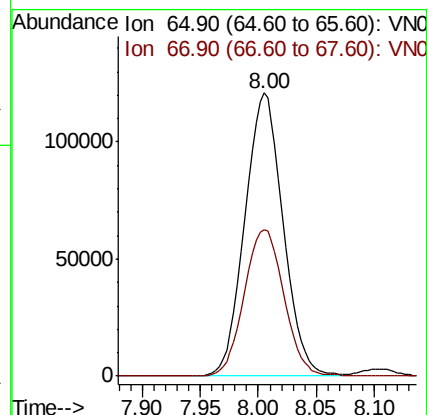
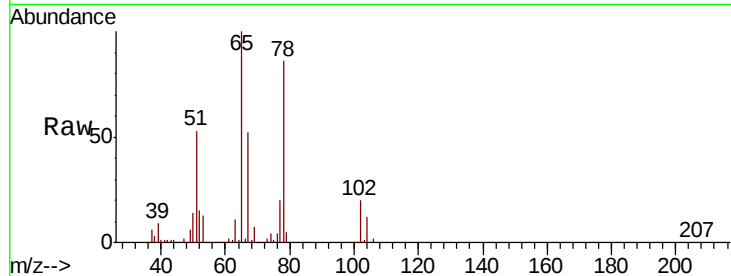
VN1105WBS01

Tot Ion: 65 Resp: 278200

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

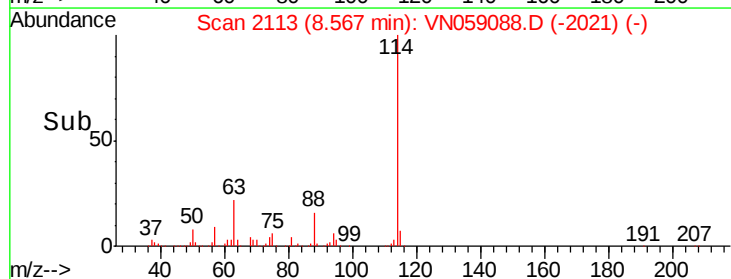
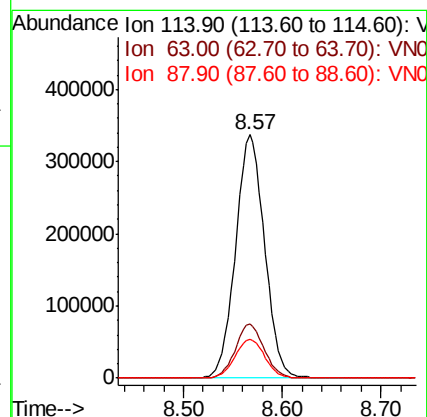
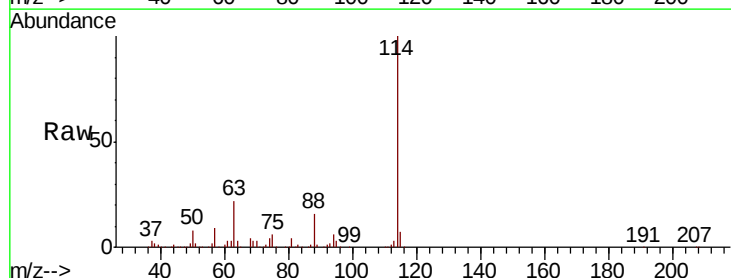
Tgt Ion: 114 Resp: 690386

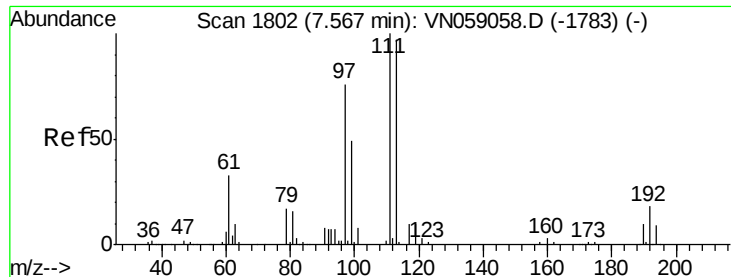
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 16.0 0.0 33.0

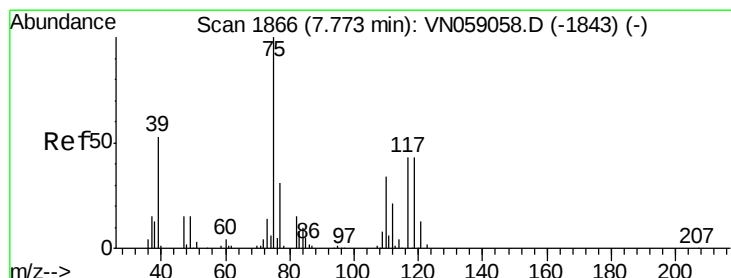
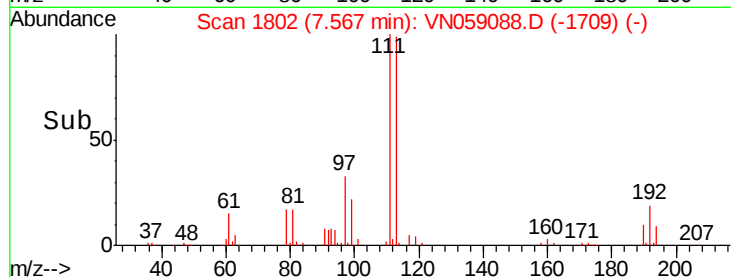
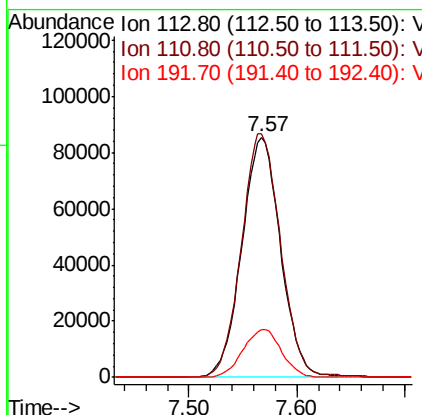
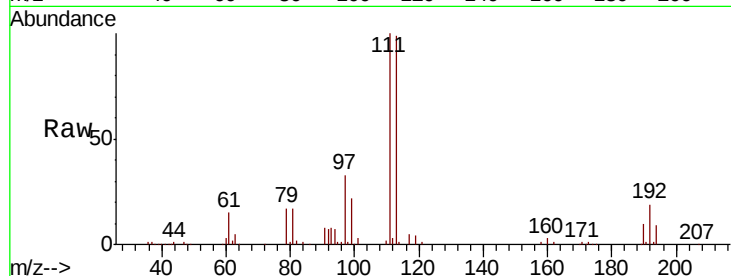




#35
 Dibromofluoromethane
 Concen: 47.797 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

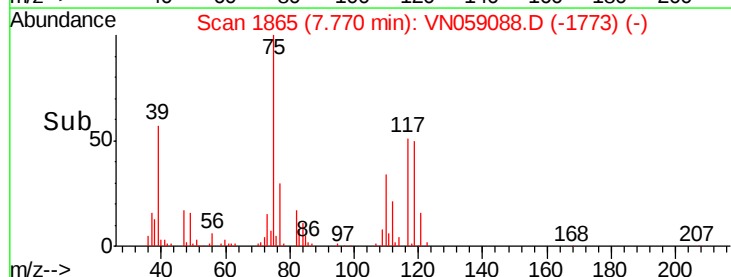
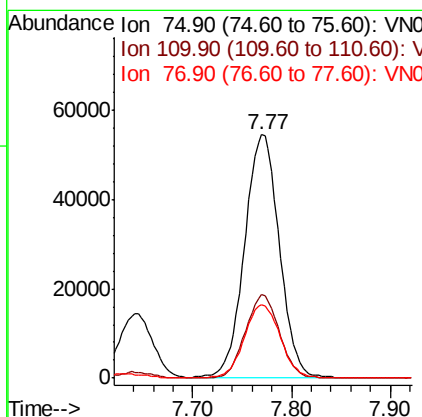
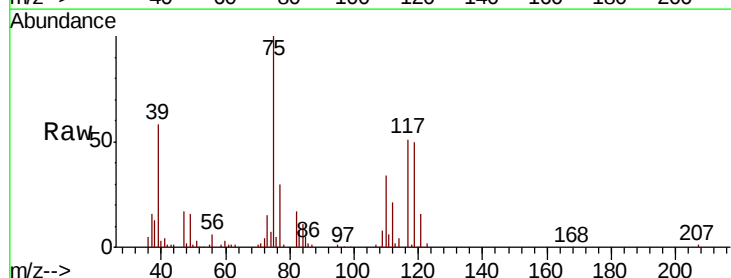
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

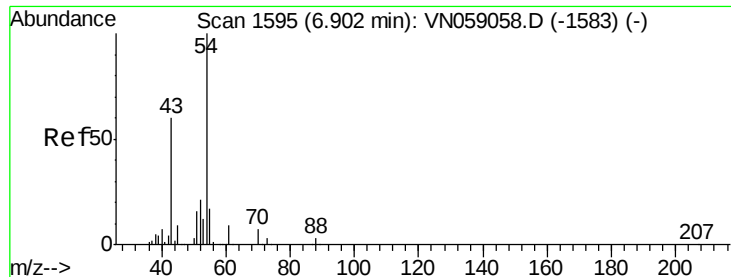
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	20.0	15.9	23.9



#36
 1,1-Dichloropropene
 Concen: 19.176 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.5	25.0	37.4

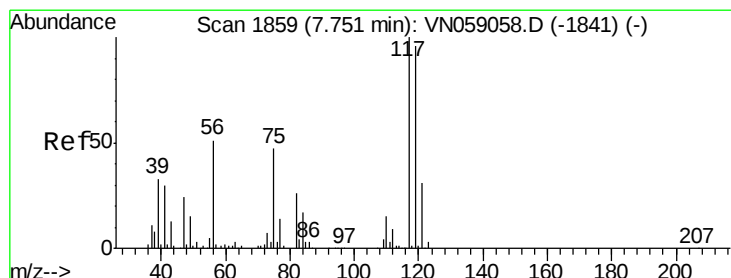
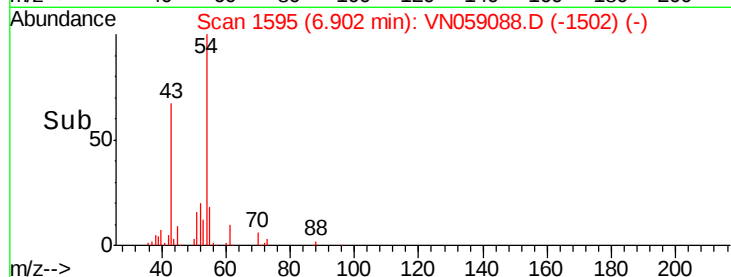
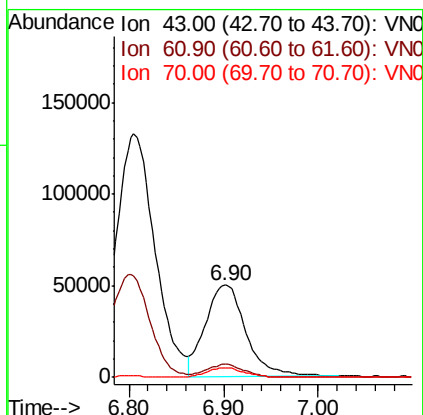
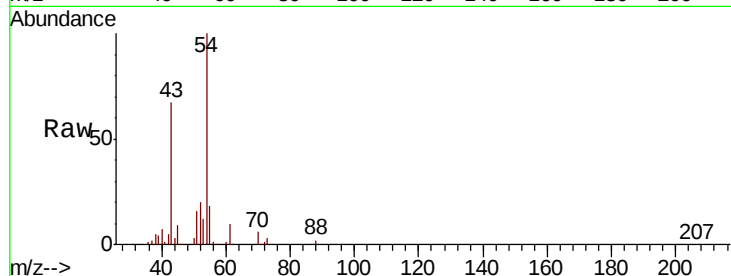




#37
Ethyl Acetate
Concen: 19.515 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

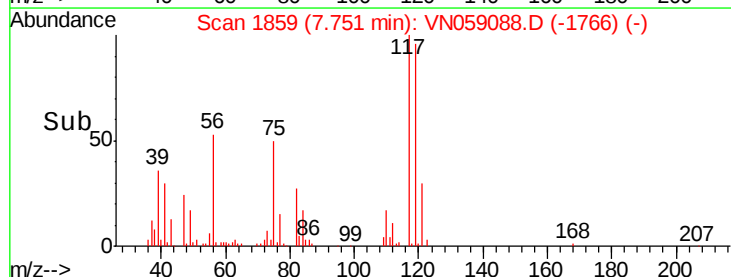
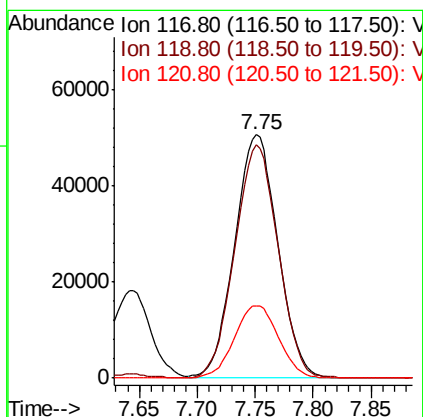
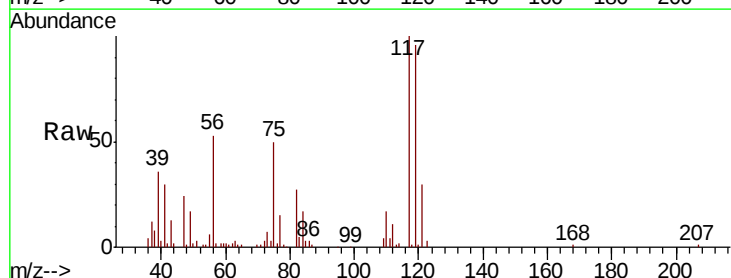
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

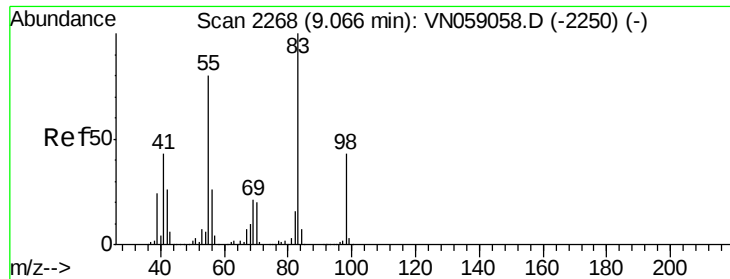
Tot Ion: 43 Resp: 148778
Ion Ratio Lower Upper
43 100
61 13.8 11.2 16.8
70 9.7 8.0 12.0



#38
Carbon Tetrachloride
Concen: 19.638 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 117 Resp: 131322
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
121 29.8 24.6 37.0

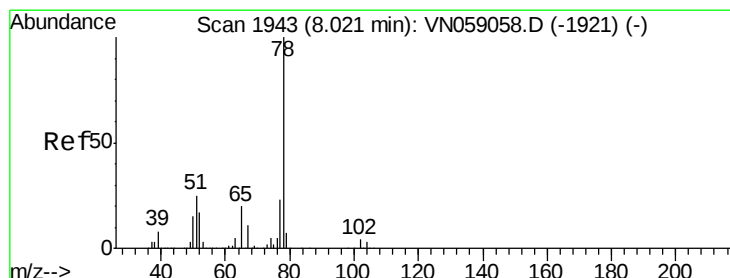
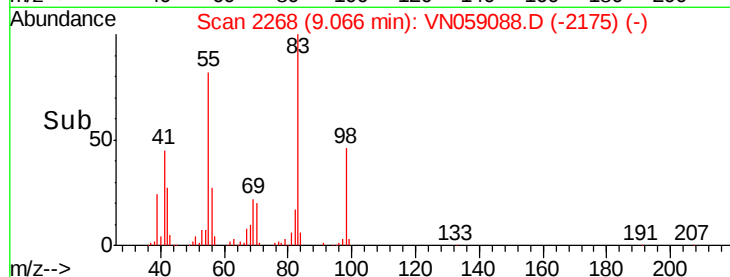
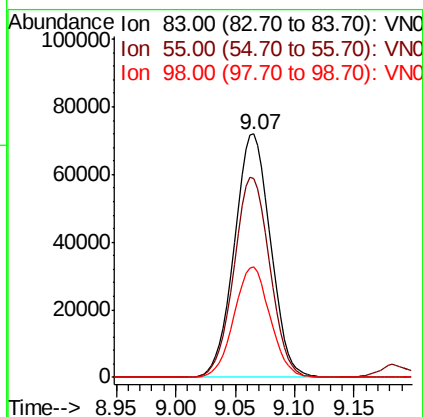
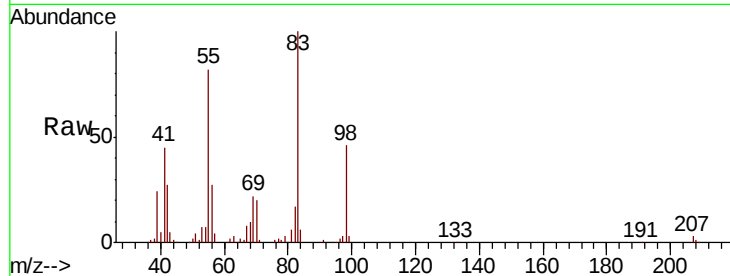




#39
Methvlcvclohexane
Concen: 19.143 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

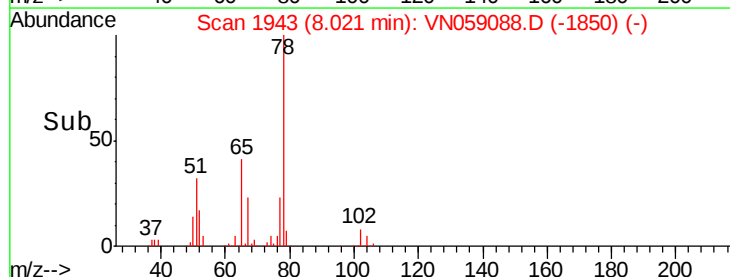
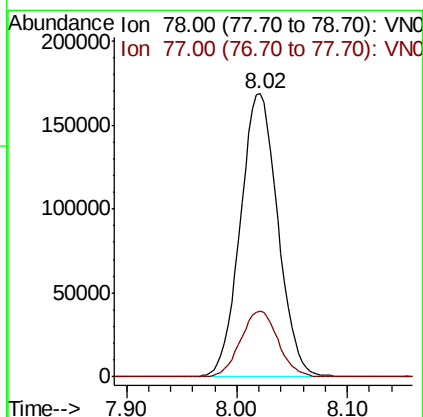
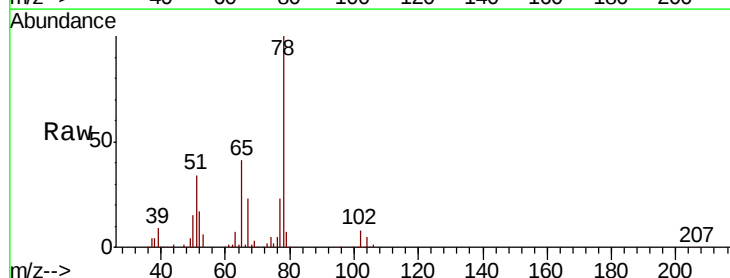
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

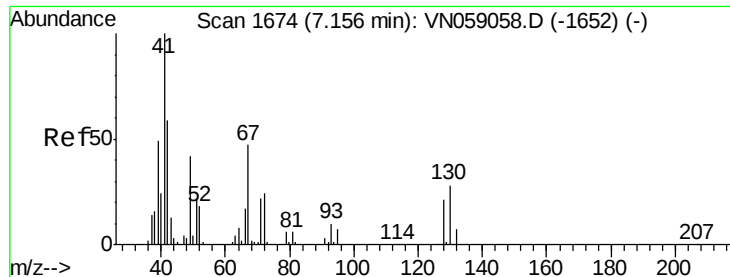
Tot Ion: 83 Resp: 151820
Ion Ratio Lower Upper
83 100
55 81.6 64.1 96.1
98 45.6 34.3 51.5



#40
Benzene
Concen: 19.498 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 78 Resp: 397042
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8

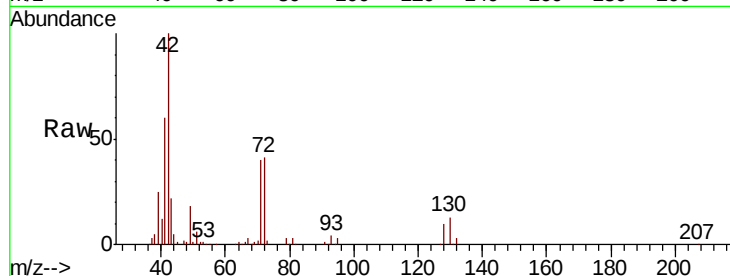




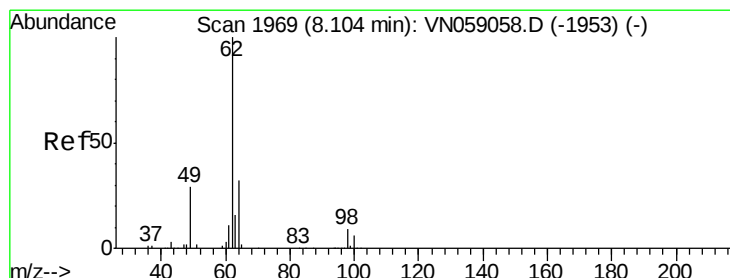
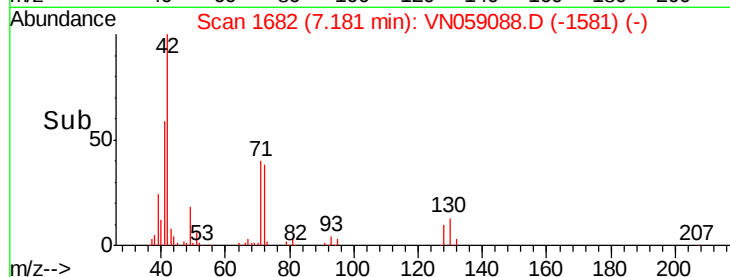
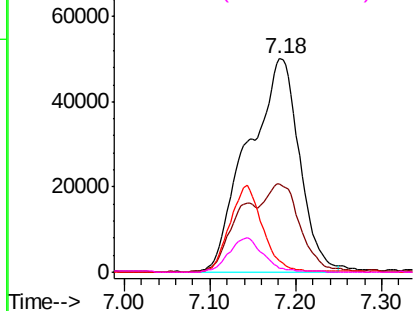
#41
Methacrylonitrile
Concen: 63.191 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion:	41	Resp:	208322
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

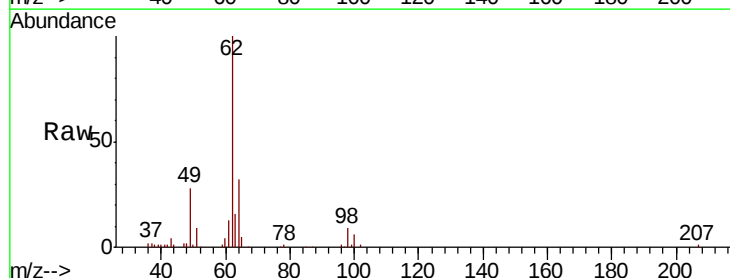


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

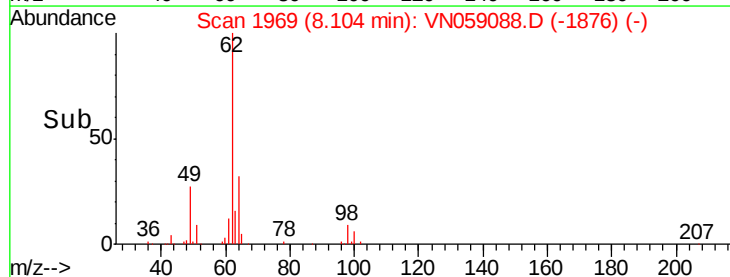
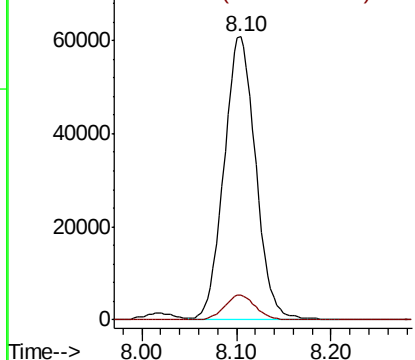


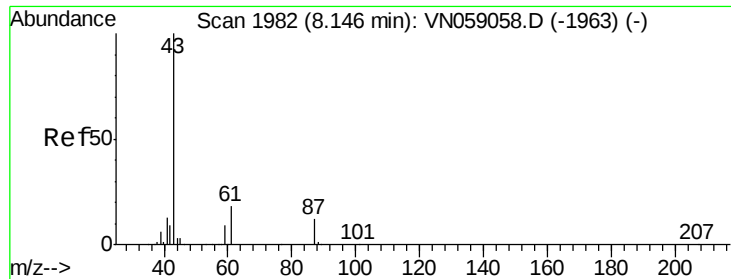
#42
1,2-Dichloroethane
Concen: 20.076 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:	62	Resp:	141980
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 19.207 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

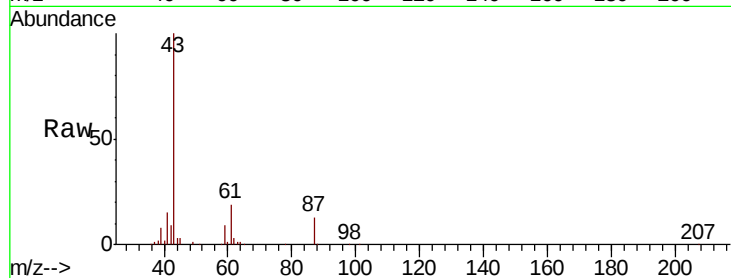
Tot Ion: 43 Resp: 228999

Ion Ratio Lower Upper

43 100

61 26.4 20.5 30.7

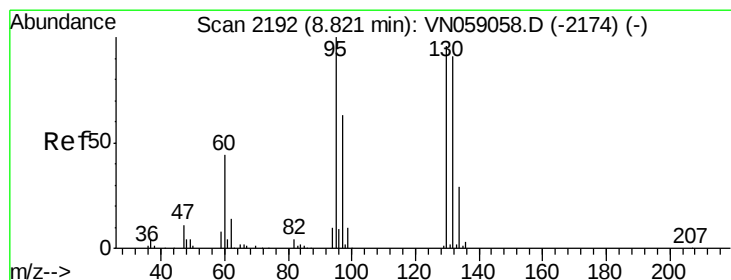
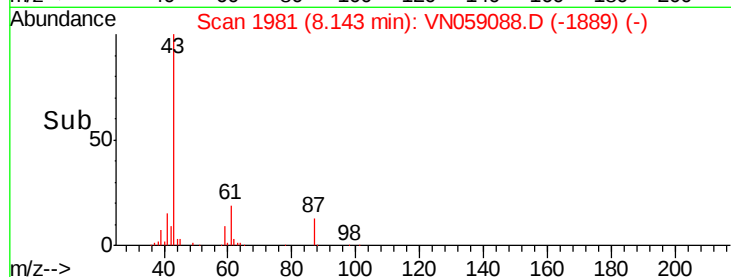
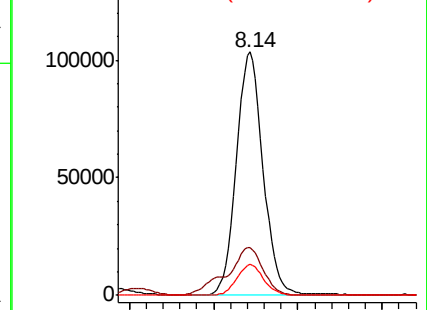
87 12.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059058.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059058.D (-1963) (-)



#44

Trichloroethene

Concen: 19.987 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059088.D

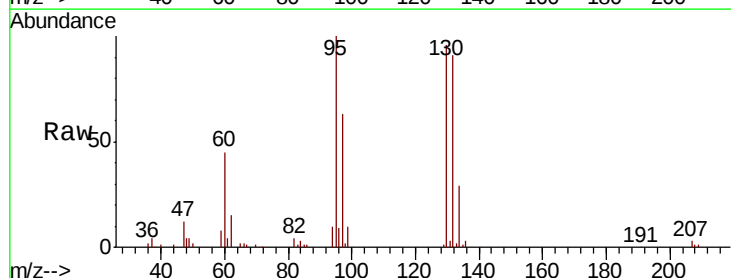
Acq: 5 Nov 2019 13:37

Tgt Ion: 130 Resp: 100137

Ion Ratio Lower Upper

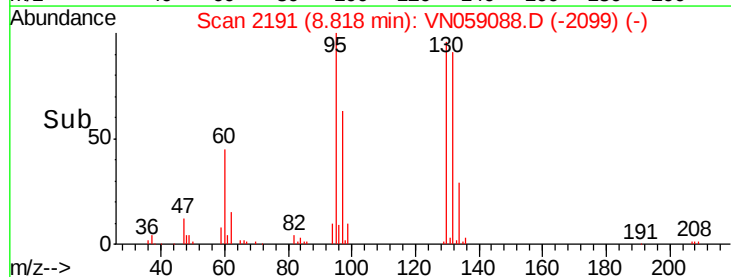
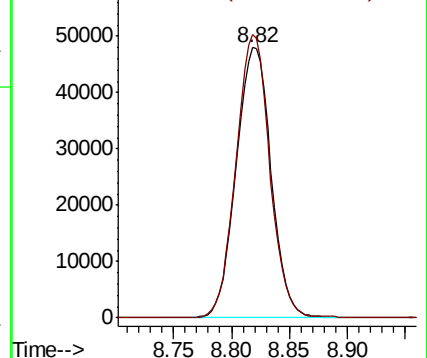
130 100

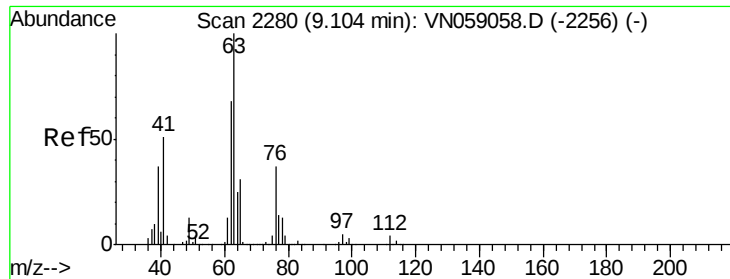
95 104.6 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059058.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN059058.D (-2174) (-)





#45

1,2-Dichloropropane

Concen: 19.956 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

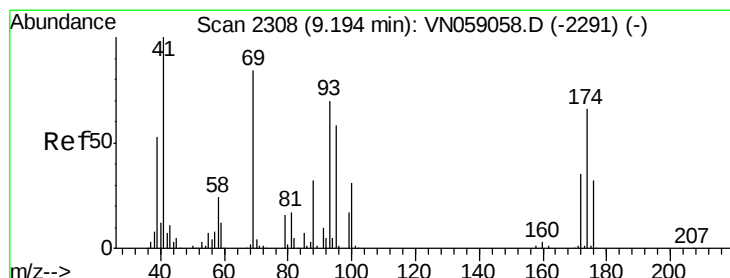
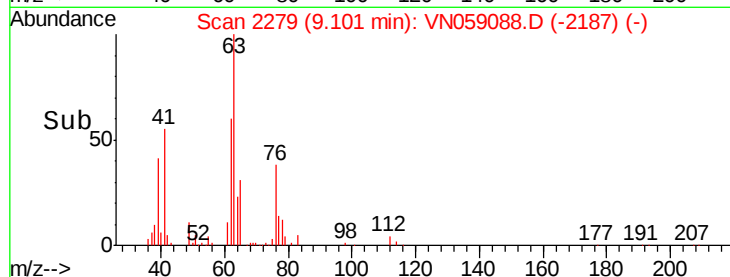
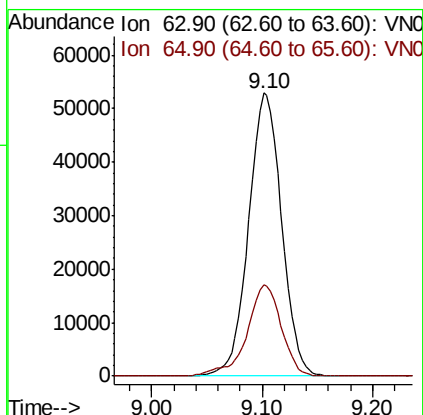
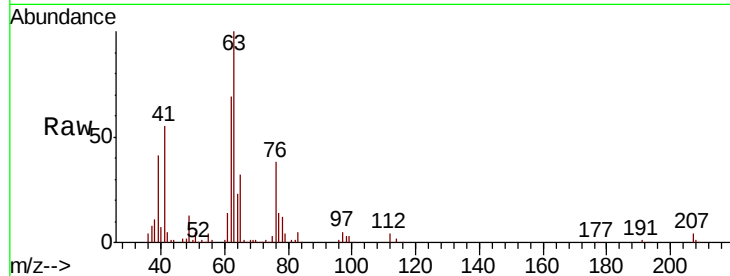
VN1105WBS01

Tot Ion: 63 Resp: 109902

Ion Ratio Lower Upper

63 100

65 32.2 25.0 37.6



#46

Dibromomethane

Concen: 19.392 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

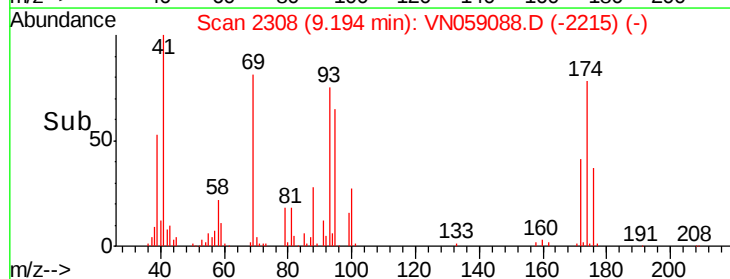
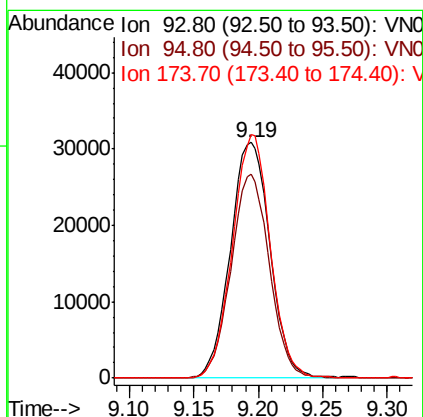
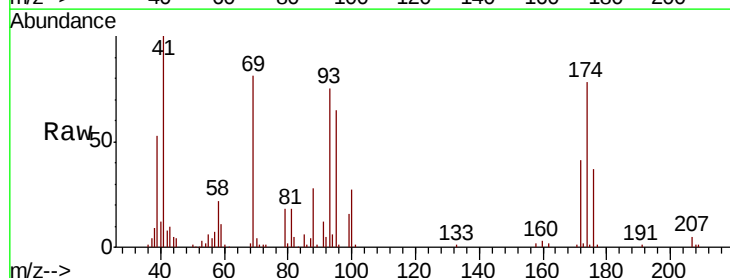
Tgt Ion: 93 Resp: 66004

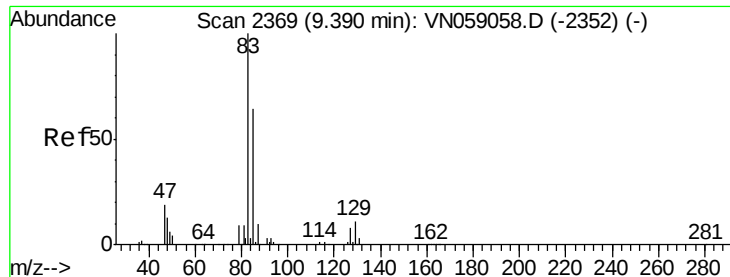
Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

174 98.3 78.3 117.5





#47

Bromodichloromethane

Concen: 19.751 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

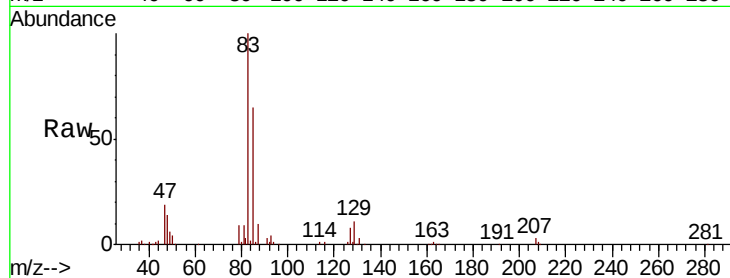
Tot Ion: 83 Resp: 136146

Ion Ratio Lower Upper

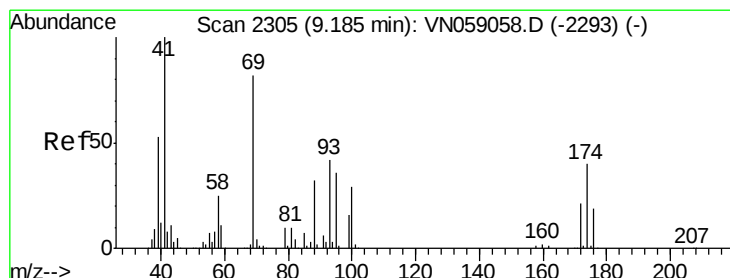
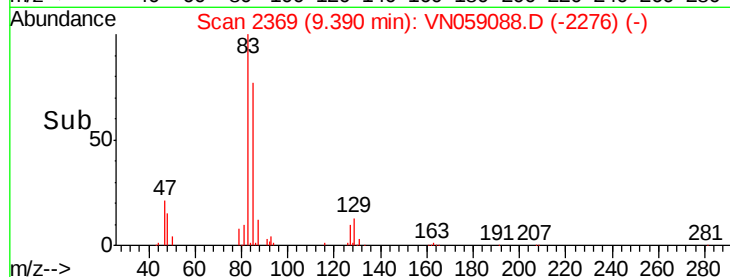
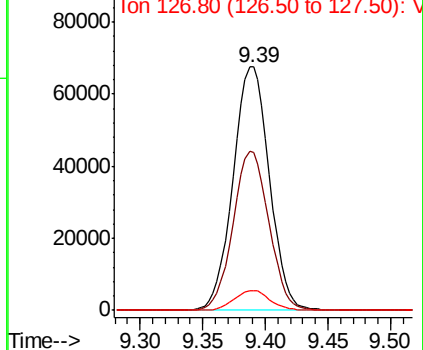
83 100

85 64.7 51.2 76.8

127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.555 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

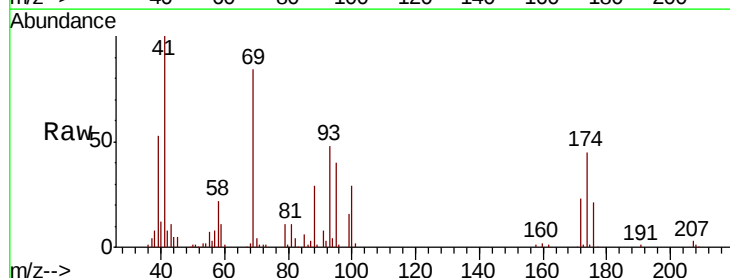
Tgt Ion: 41 Resp: 100870

Ion Ratio Lower Upper

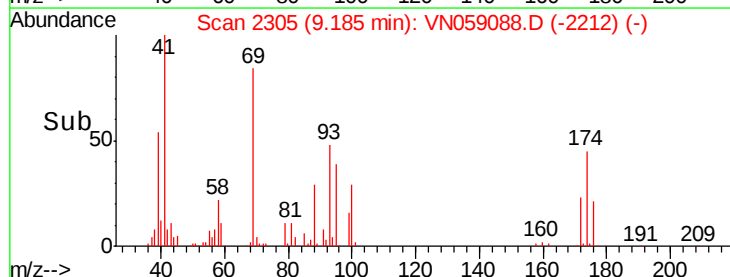
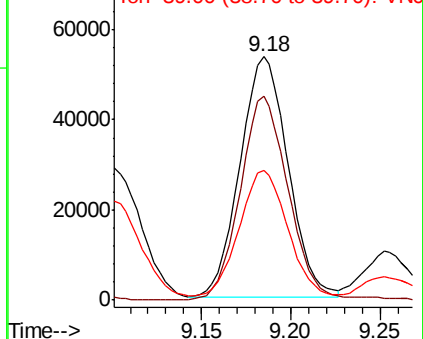
41 100

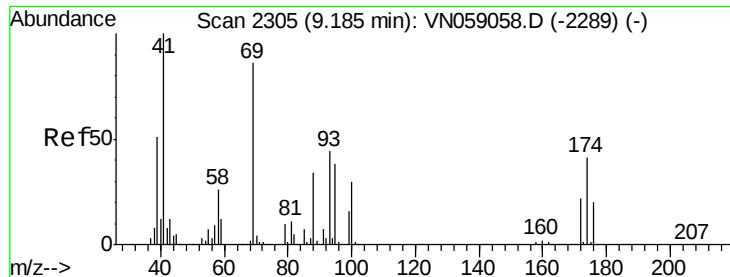
69 84.1 67.1 100.7

39 55.2 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

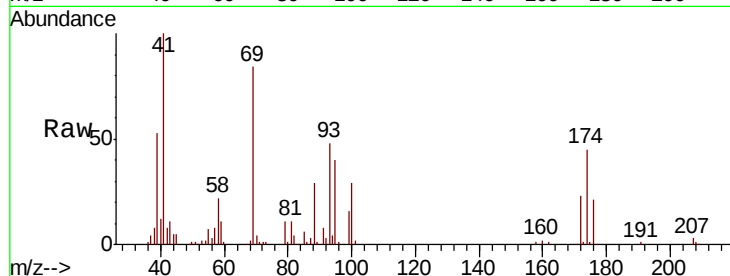




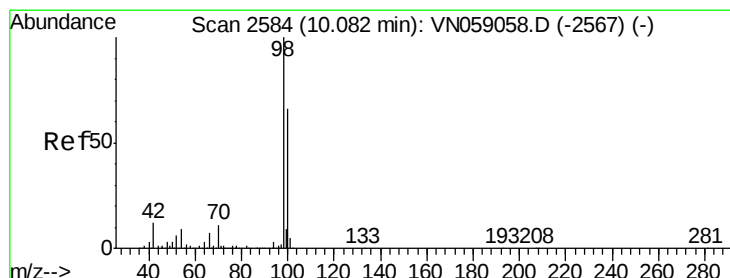
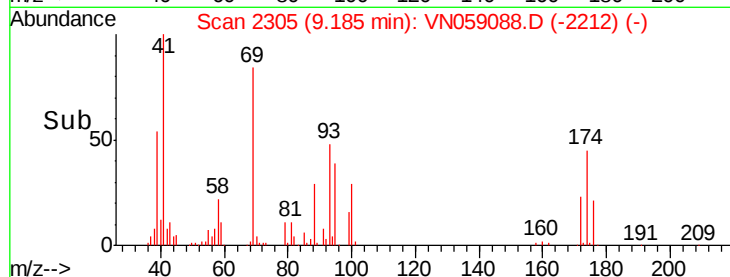
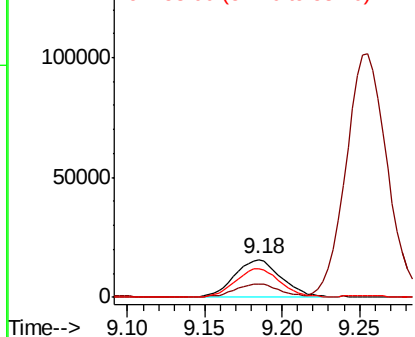
#49
1,4-Dioxane
Concen: 372.783 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

Tot Ion: 88 Resp: 33057
Ion Ratio Lower Upper
88 100
43 32.3 26.2 39.2
58 73.6 59.1 88.7

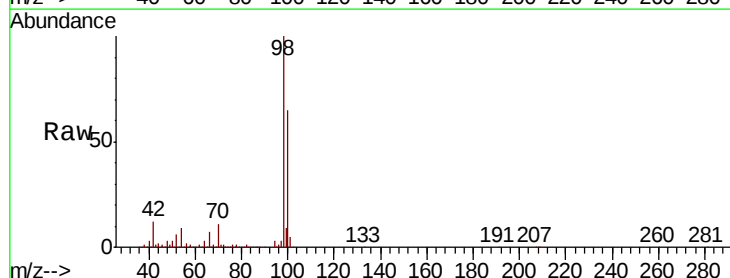


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

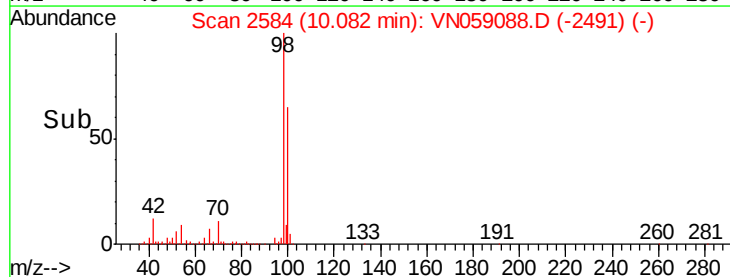
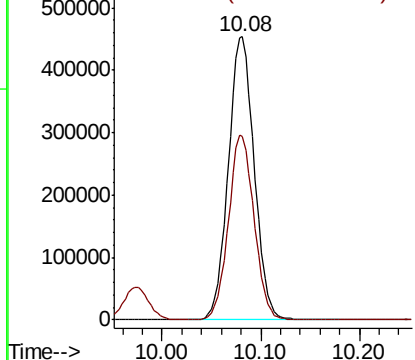


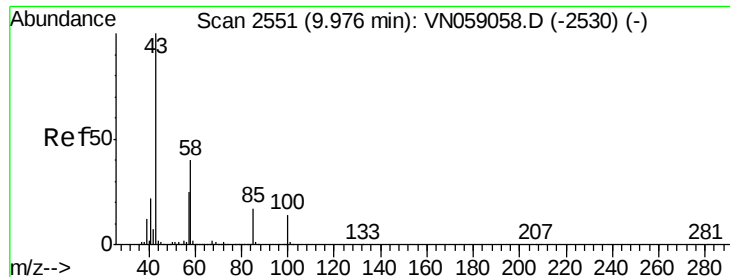
#50
Toluene-d8
Concen: 48.085 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 98 Resp: 833802
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

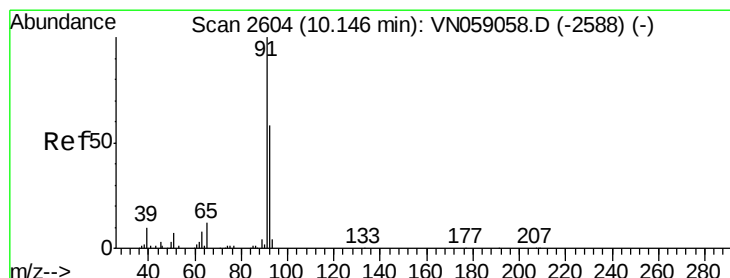
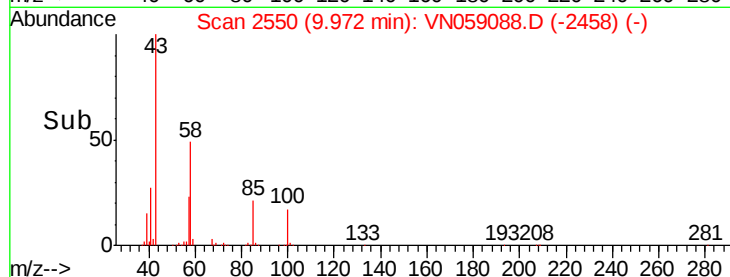
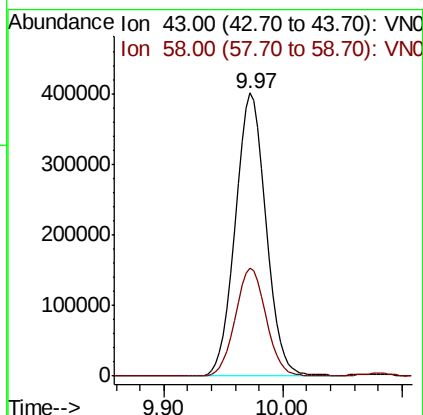
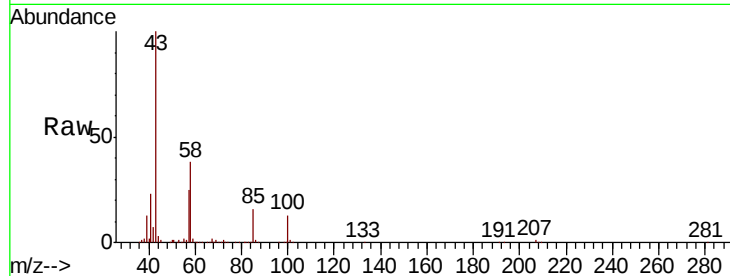




#51
4-Methyl-2-Pentanone
Concen: 103.319 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

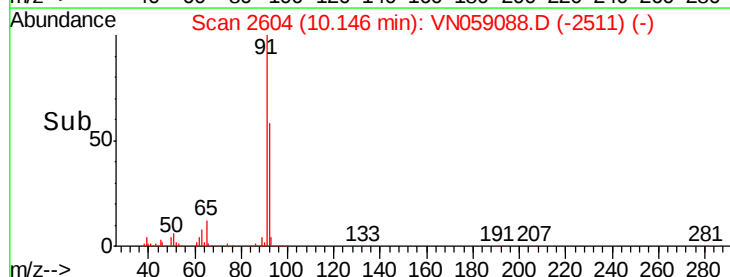
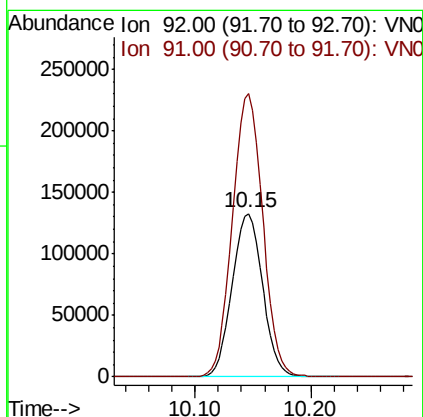
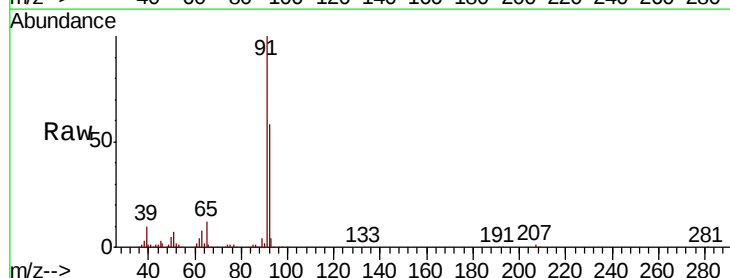
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

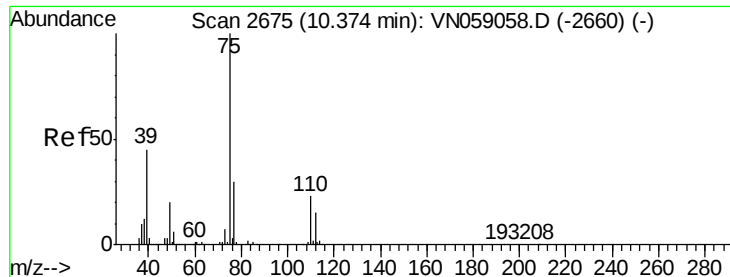
Tot Ion: 43 Resp: 715586
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.6



#52
Toluene
Concen: 20.293 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 92 Resp: 242126
Ion Ratio Lower Upper
92 100
91 172.6 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 19.149 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

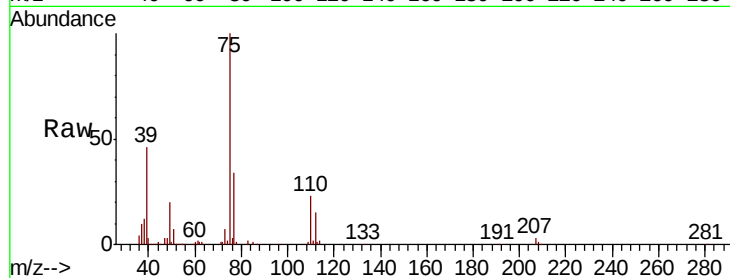
VN1105WBS01

Tot Ion: 75 Resp: 152631

Ion Ratio Lower Upper

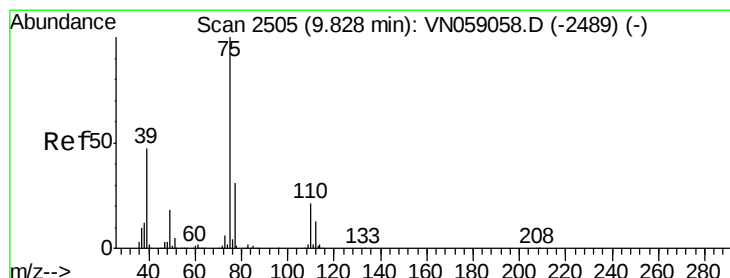
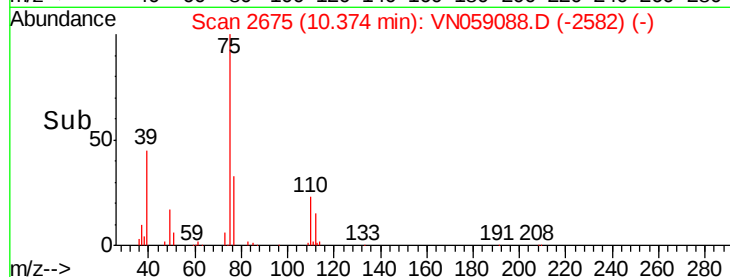
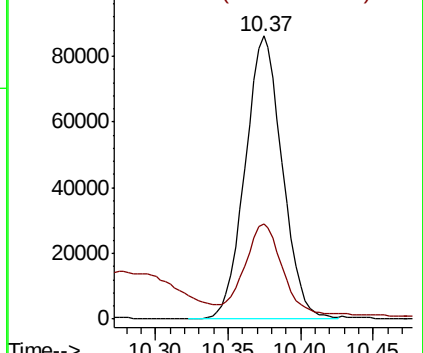
75 100

77 31.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.830 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

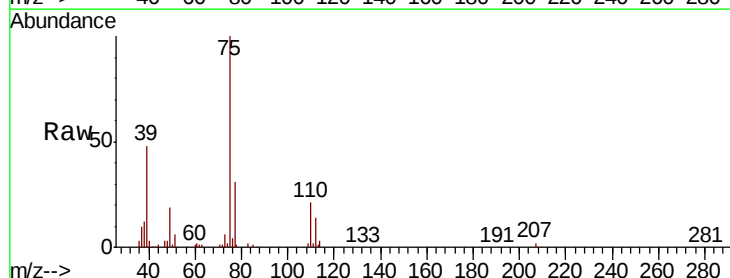
Tgt Ion: 75 Resp: 166720

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

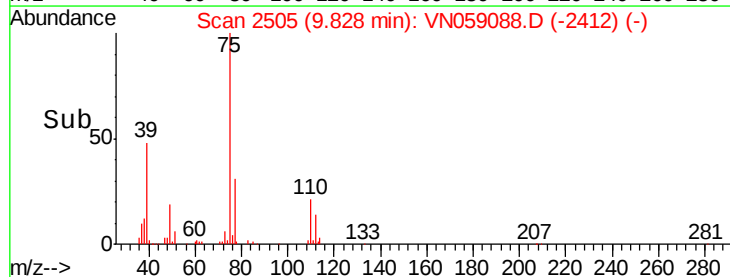
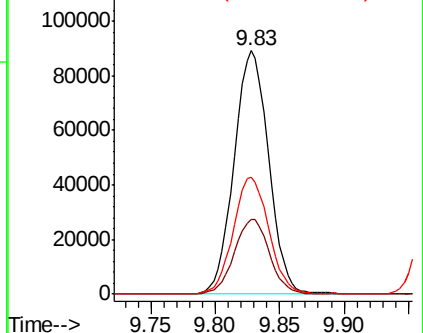
39 48.3 37.4 56.2

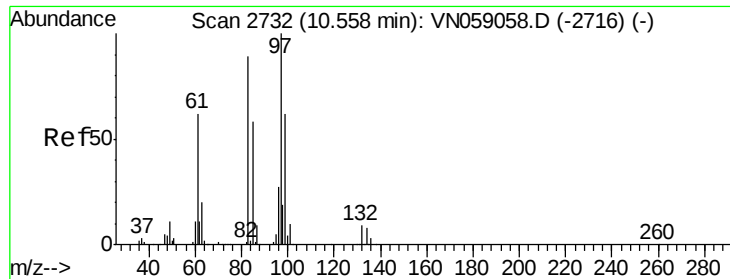


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

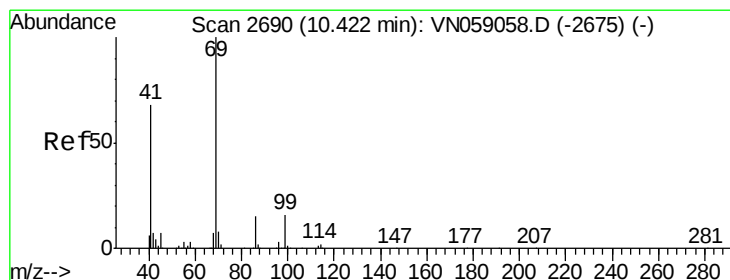
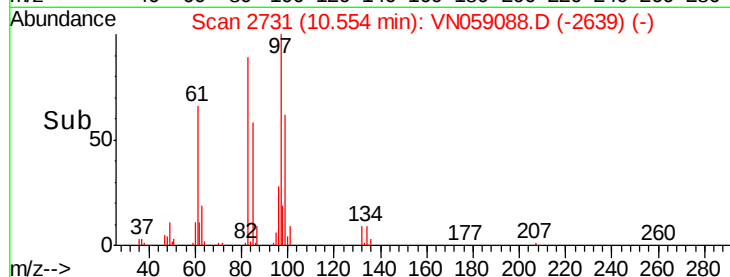
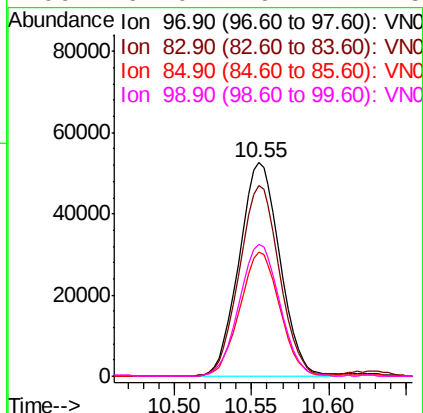
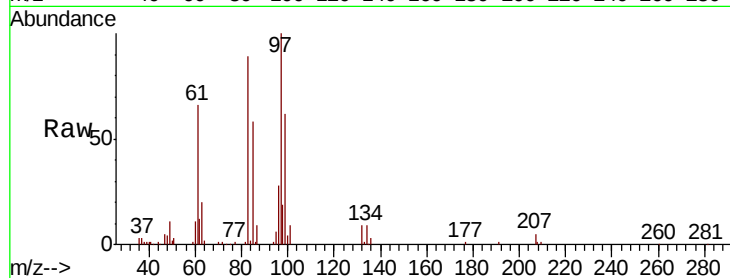




#55
 1,1,2-Trichloroethane
 Concen: 19.895 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

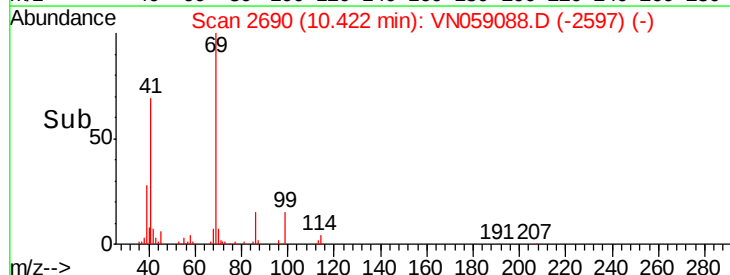
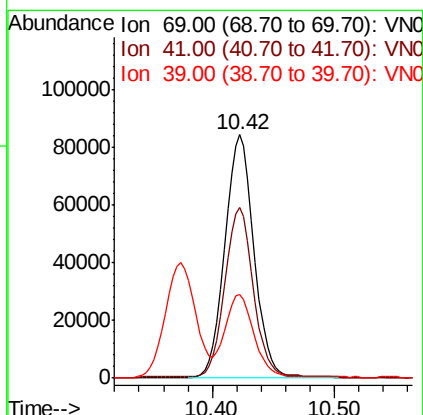
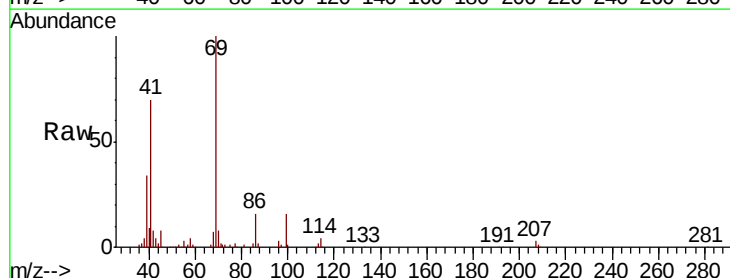
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

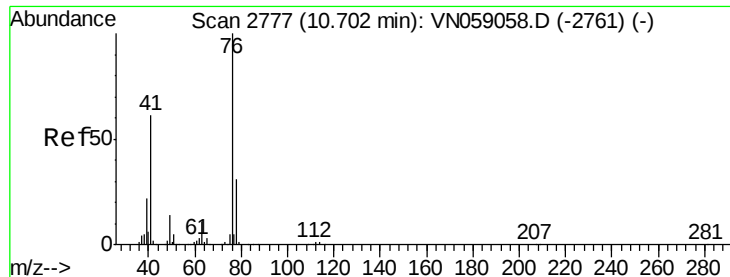
Tot Ion: 97 Resp: 96698
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.4 107.2
 85 58.3 46.6 70.0
 99 62.0 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 18.343 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 69 Resp: 141221
 Ion Ratio Lower Upper
 69 100
 41 67.9 53.8 80.8
 39 33.6 26.2 39.2





#57

1,3-Dichloropropane

Concen: 20.114 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

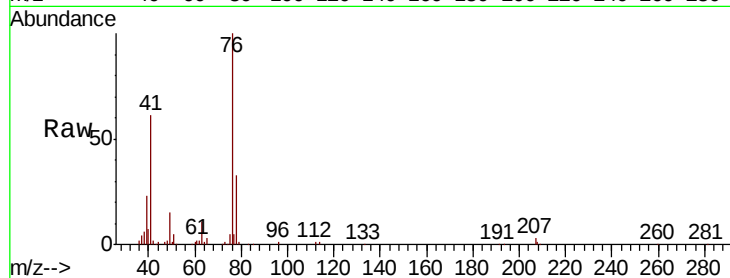
VN1105WBS01

Tot Ion: 76 Resp: 170020

Ion Ratio Lower Upper

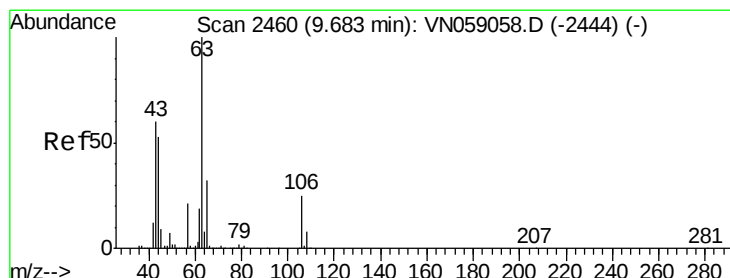
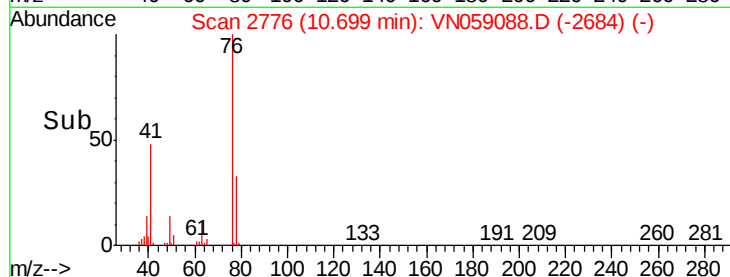
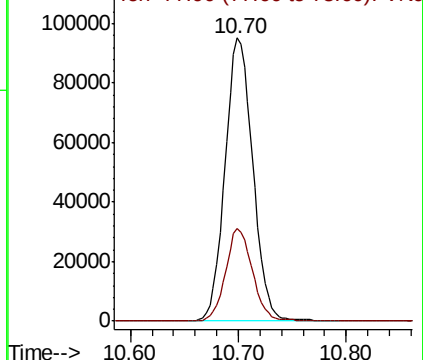
76 100

78 31.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.954 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059088.D

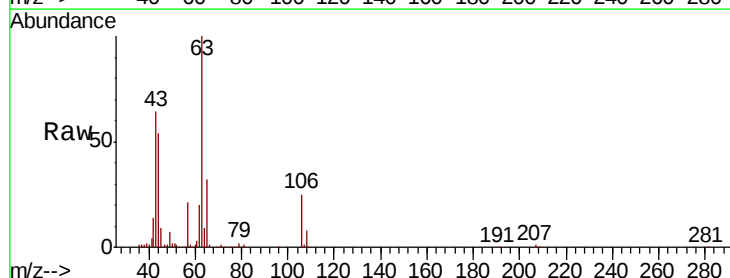
Acq: 5 Nov 2019 13:37

Tgt Ion: 63 Resp: 290045

Ion Ratio Lower Upper

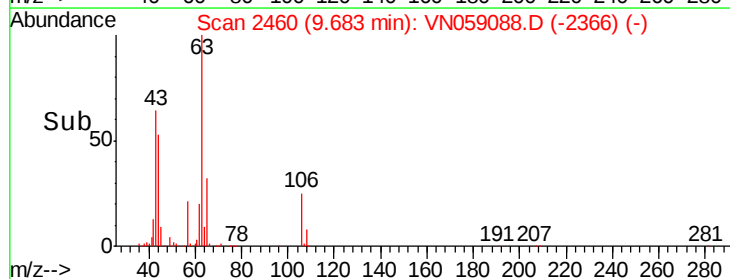
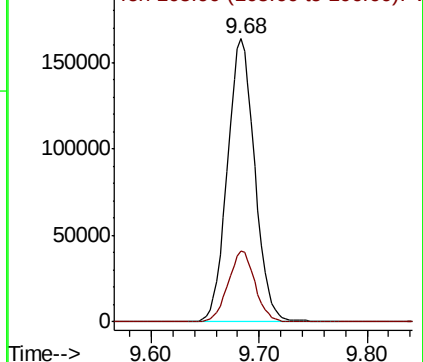
63 100

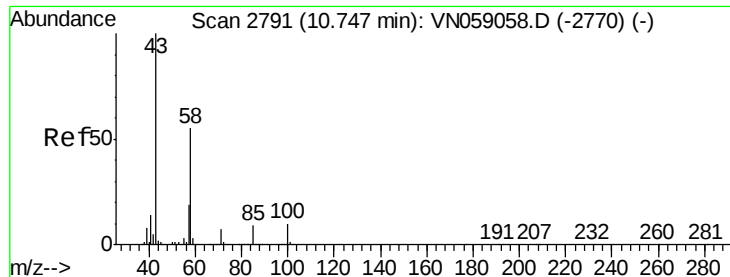
106 24.7 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

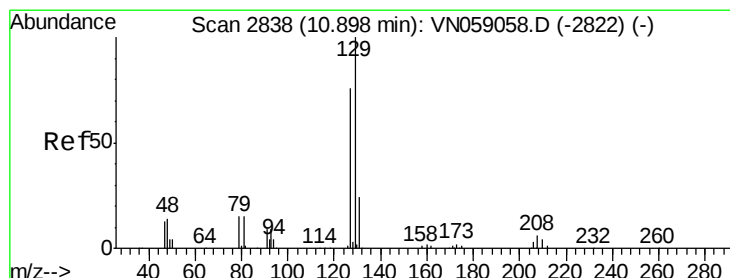
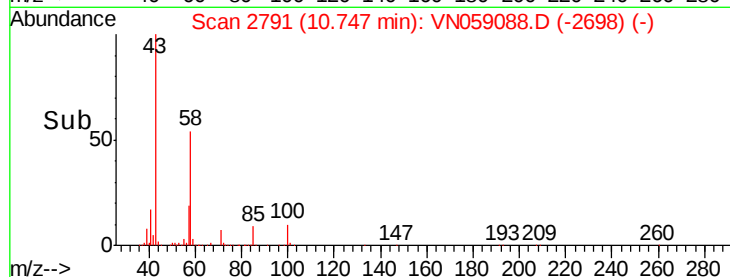
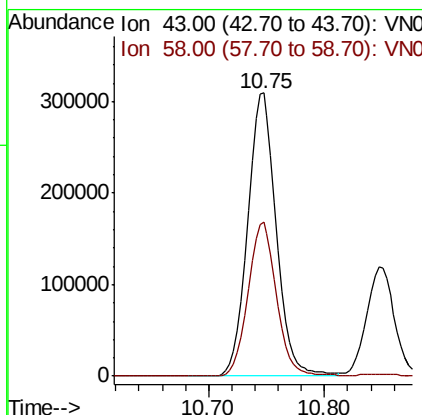
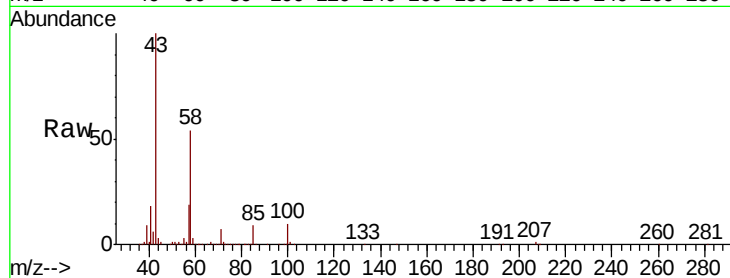




#59
2-Hexanone
Concen: 101.330 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

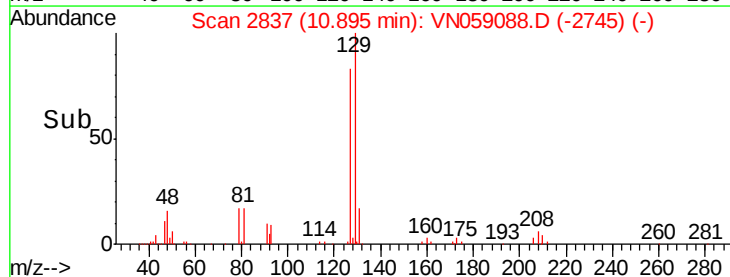
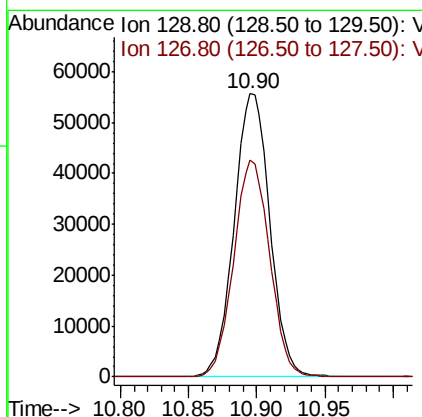
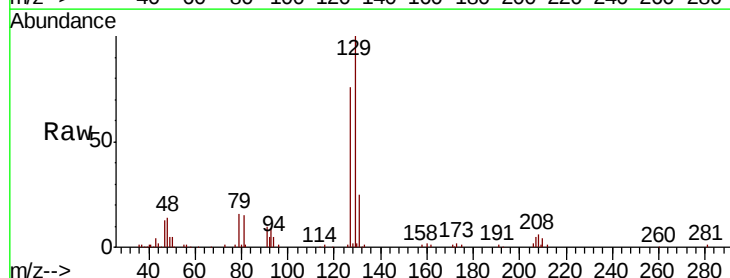
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

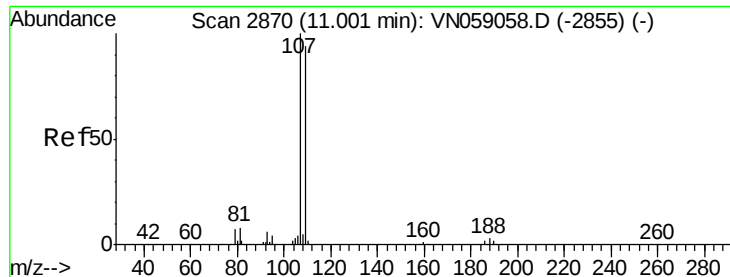
Tot Ion: 43 Resp: 533161
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.2



#60
Dibromochloromethane
Concen: 19.340 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 129 Resp: 101305
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8

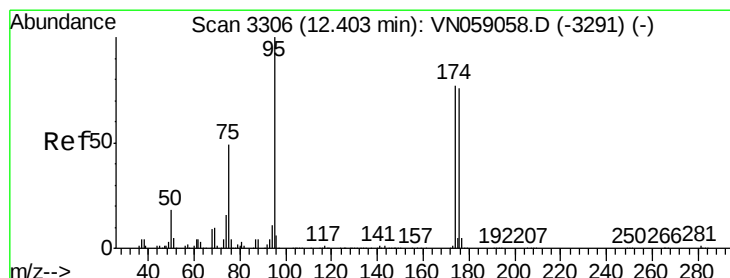
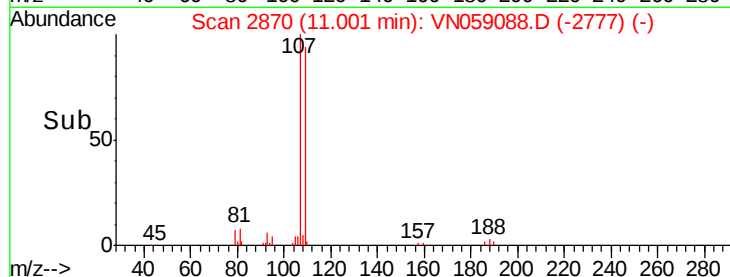
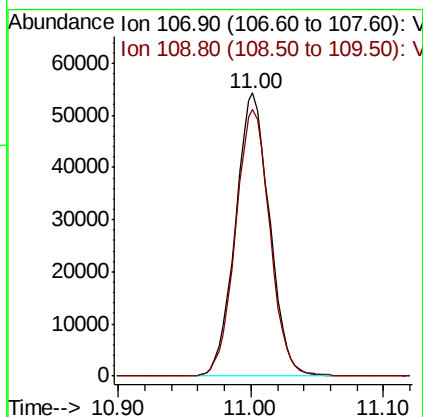
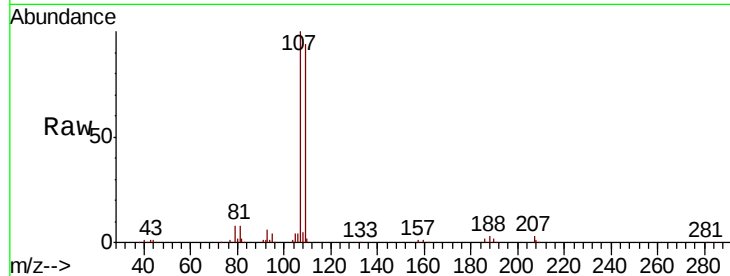




#61
 1,2-Dibromoethane
 Concen: 19.676 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

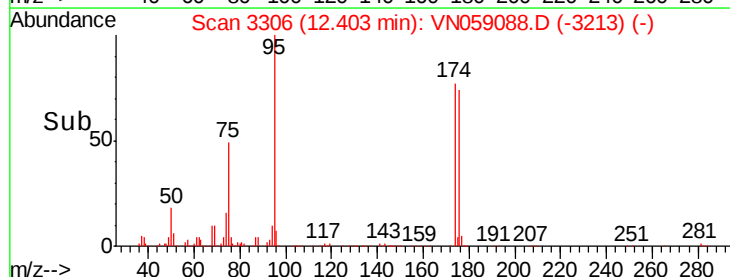
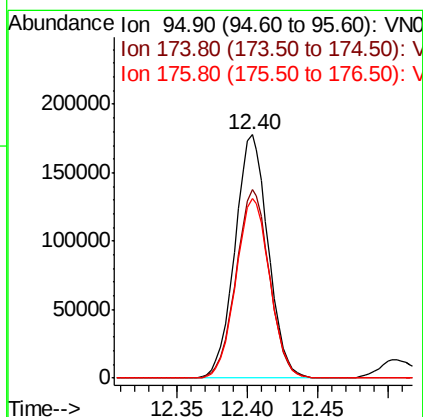
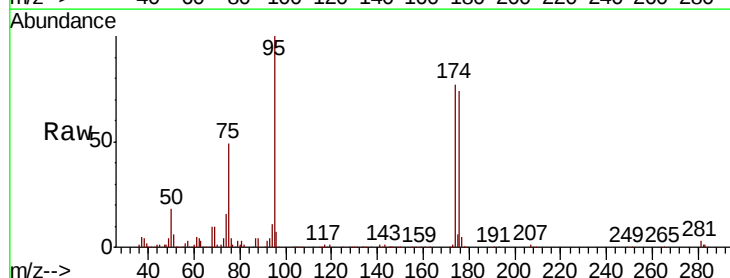
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

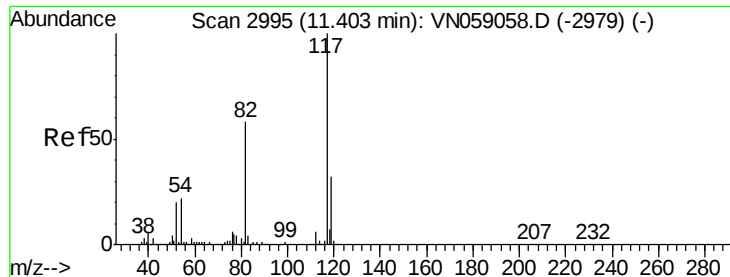
Tot Ion: 107 Resp: 96883
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 47.052 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 95 Resp: 293289
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 155.8
 176 75.5 0.0 151.6

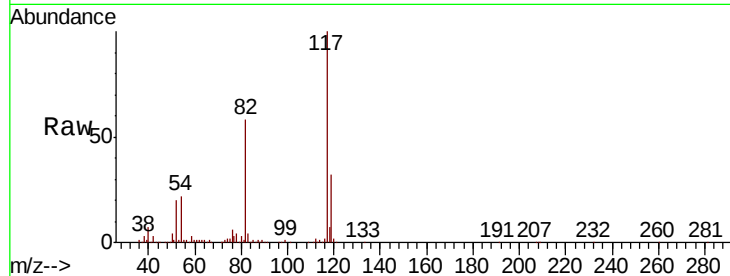




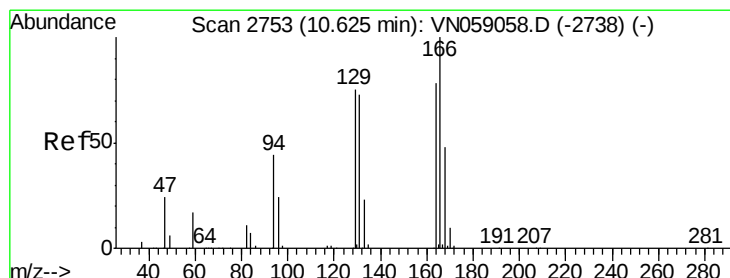
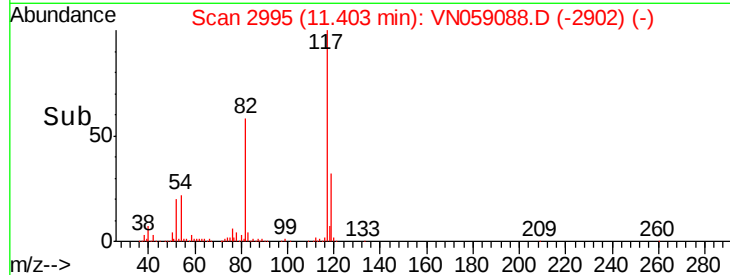
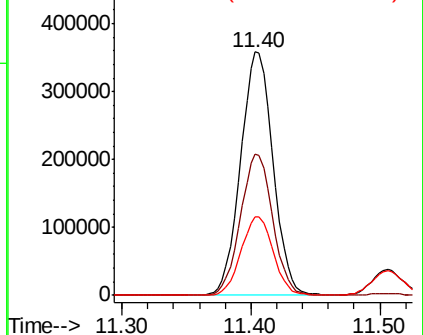
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion:117 Resp: 628217
Ion Ratio Lower Upper
117 100
82 58.0 46.0 69.0
119 32.4 25.6 38.4

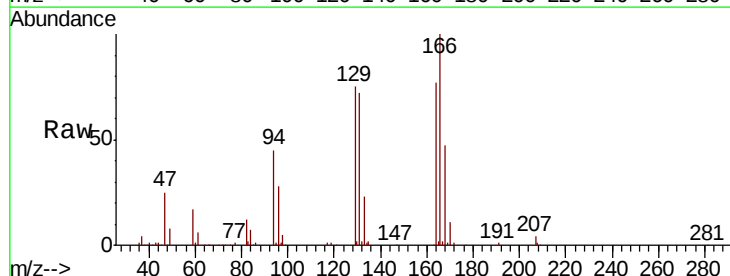


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

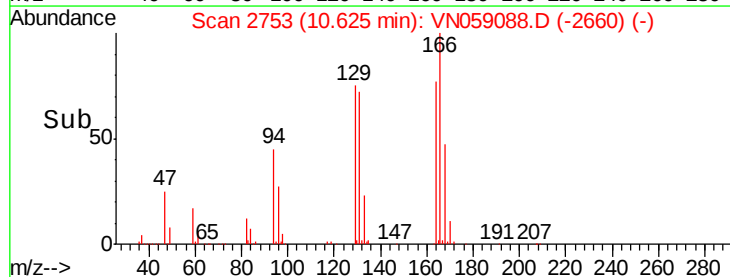
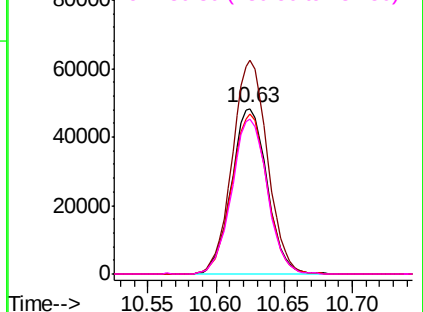


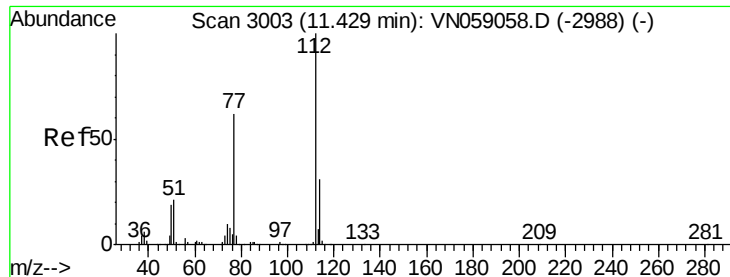
#64
Tetrachloroethene
Concen: 19.968 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:164 Resp: 87627
Ion Ratio Lower Upper
164 100
166 129.1 102.7 154.1
129 96.7 77.3 115.9
131 93.5 74.8 112.2



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

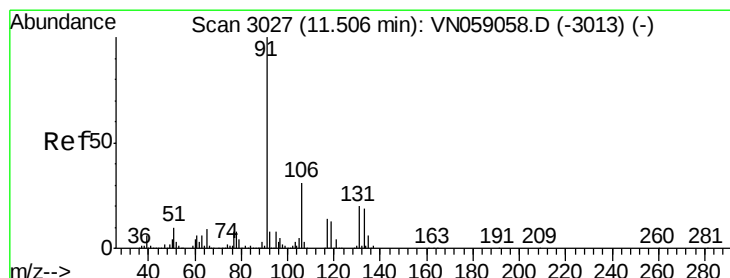
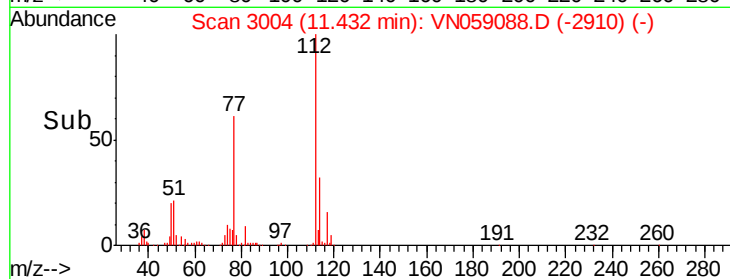
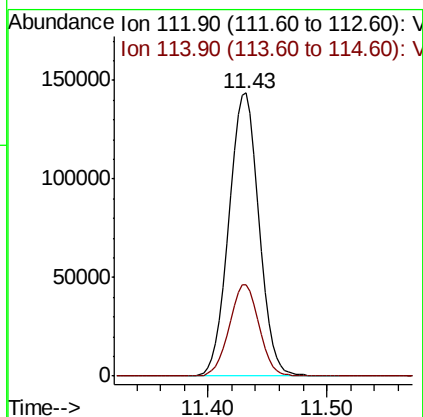
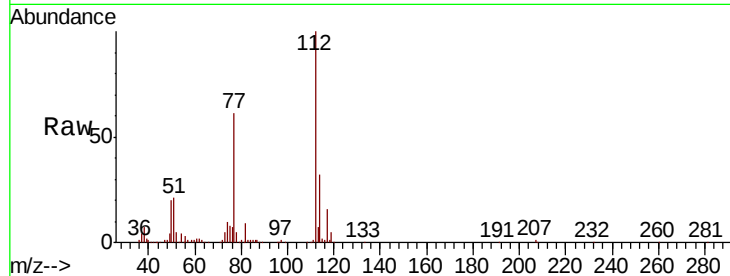




#65
Chlorobenzene
Concen: 19.537 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

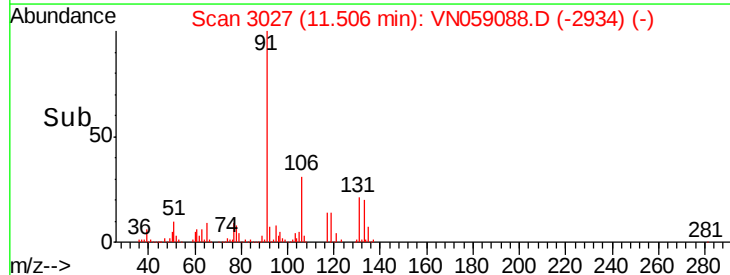
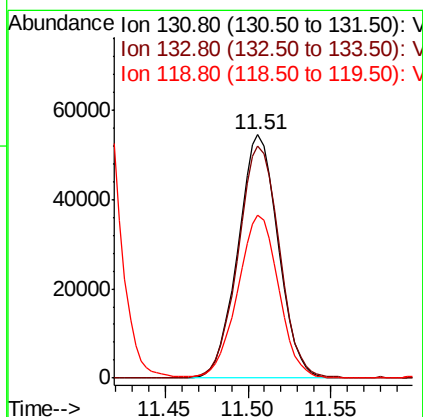
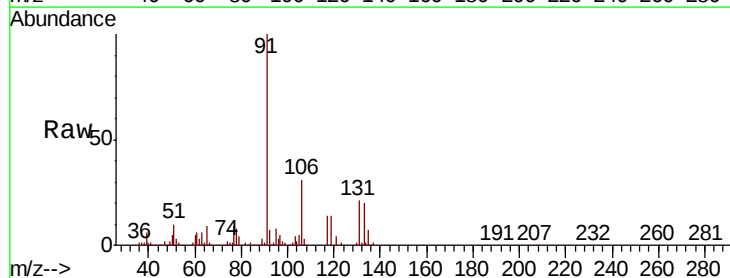
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

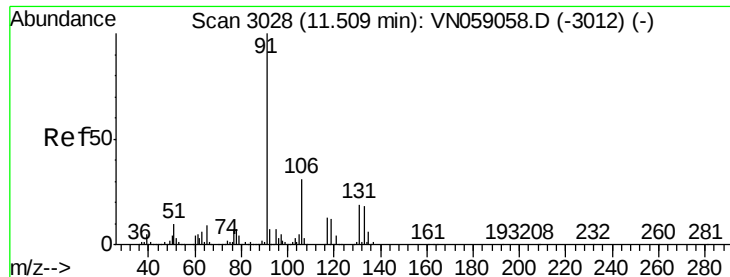
Tot Ion:112 Resp: 251897
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.397 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:131 Resp: 92015
Ion Ratio Lower Upper
131 100
133 98.7 47.9 143.6
119 68.2 33.5 100.5





#67

Ethyl Benzene

Concen: 20.095 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

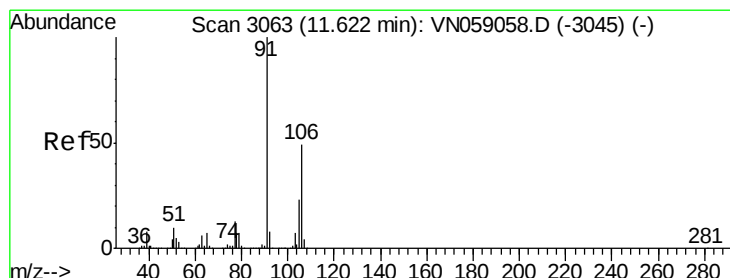
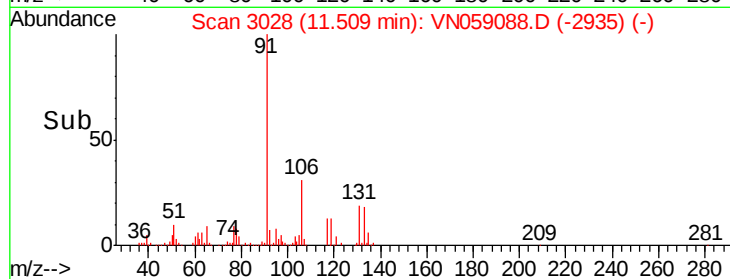
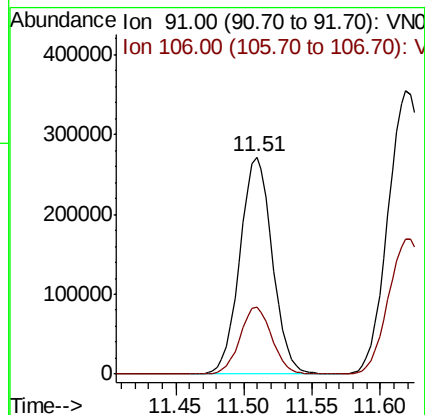
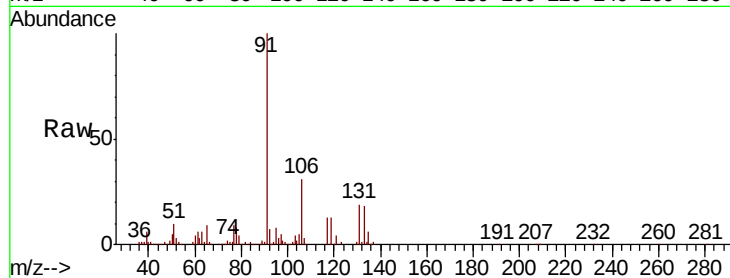
VN1105WBS01

Tot Ion: 91 Resp: 448529

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 39.491 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059088.D

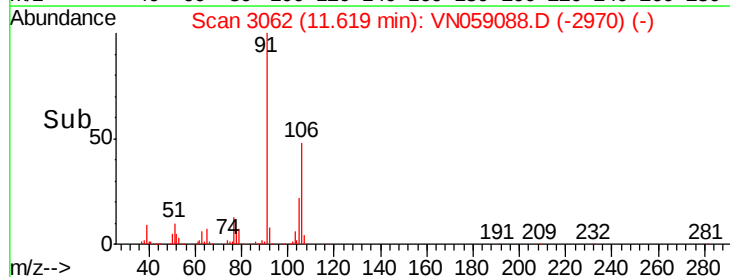
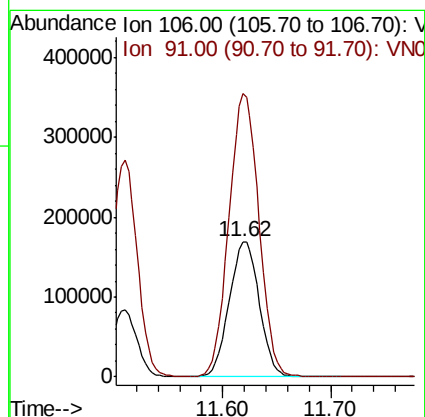
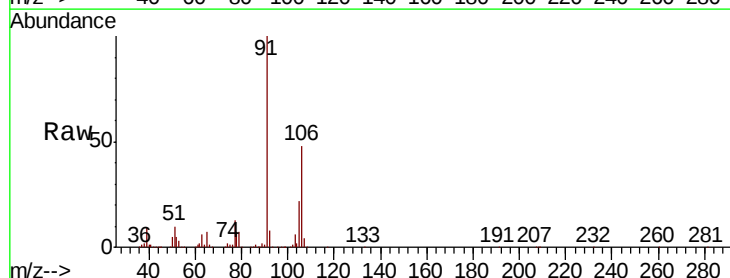
Acq: 5 Nov 2019 13:37

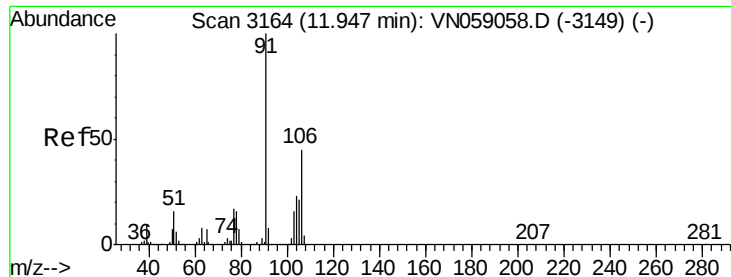
Tgt Ion: 106 Resp: 329140

Ion Ratio Lower Upper

106 100

91 208.8 165.7 248.5

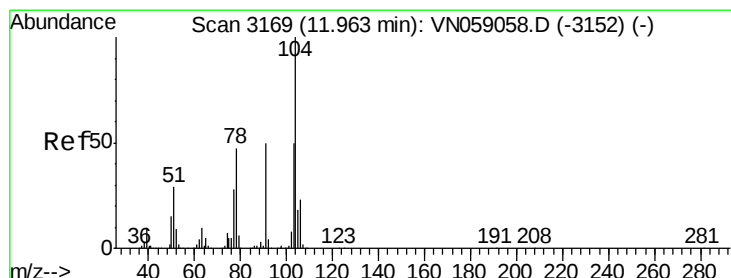
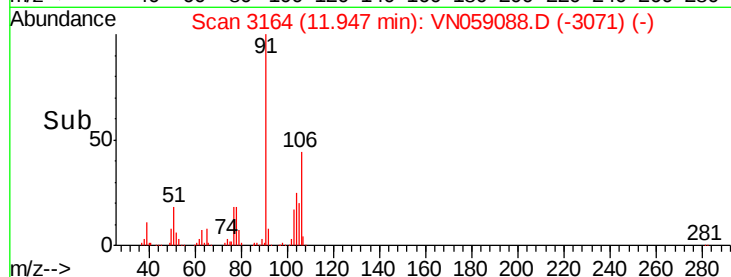
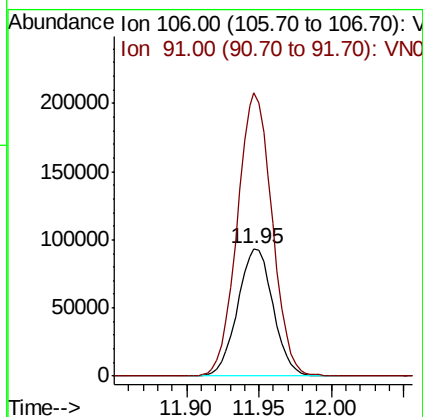
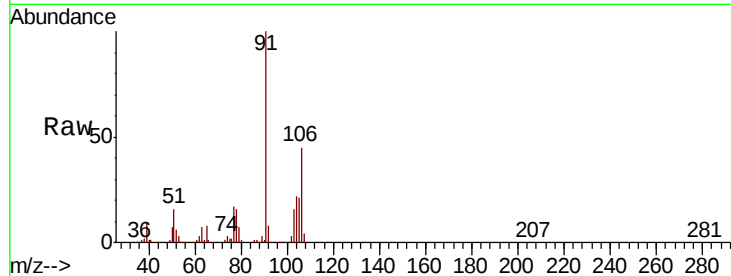




#69
o-Xylene
Concen: 19.880 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

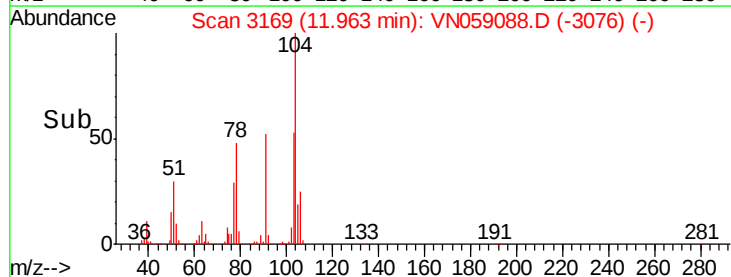
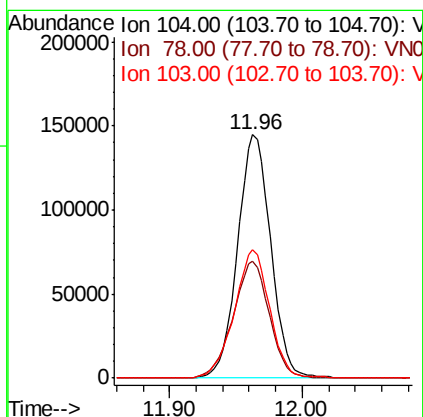
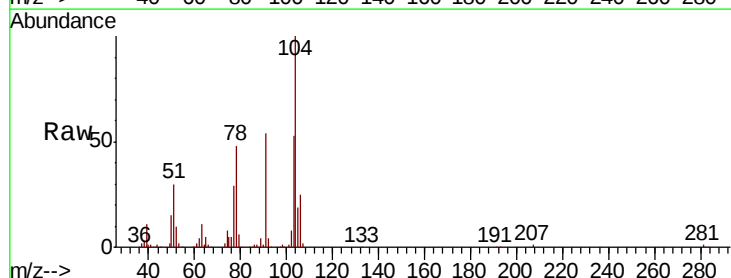
Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

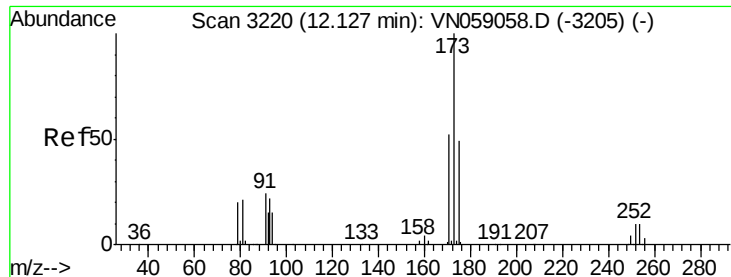
Tot Ion:106 Resp: 158222
Ion Ratio Lower Upper
106 100
91 219.2 110.4 331.2



#70
Styrene
Concen: 19.499 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:104 Resp: 251486
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 56.1 43.9 65.9





#71

Bromoform

Concen: 19.070 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

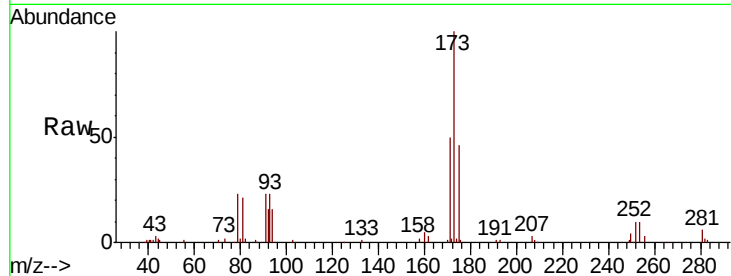
Tot Ion:173 Resp: 70021

Ion Ratio Lower Upper

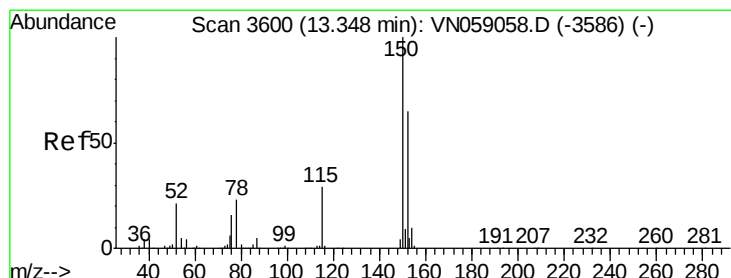
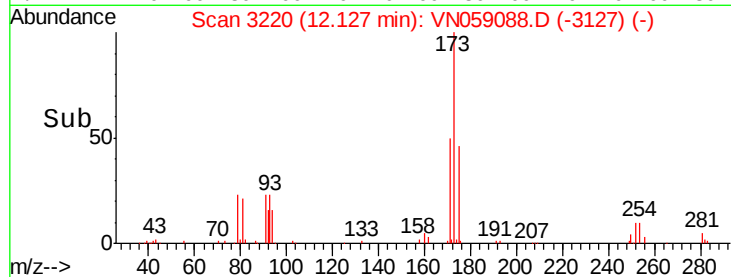
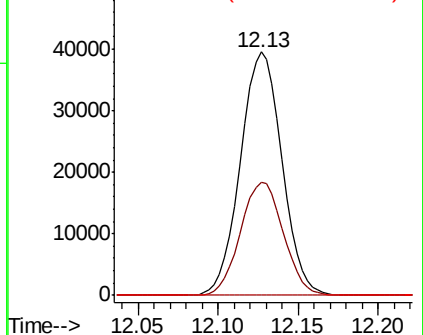
173 100

175 48.0 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

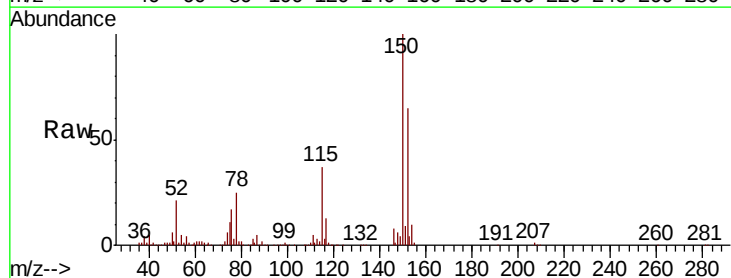
Tgt Ion:152 Resp: 286045

Ion Ratio Lower Upper

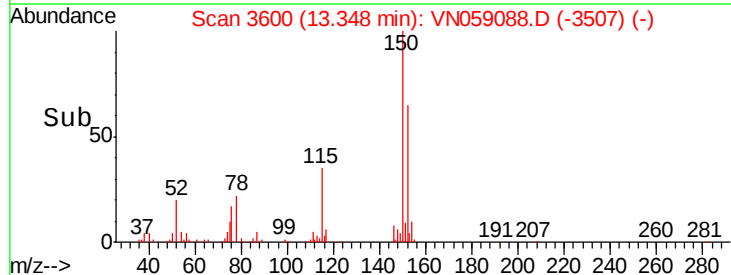
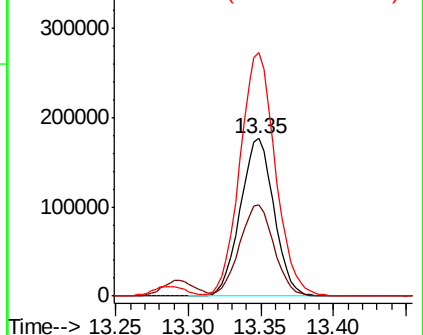
152 100

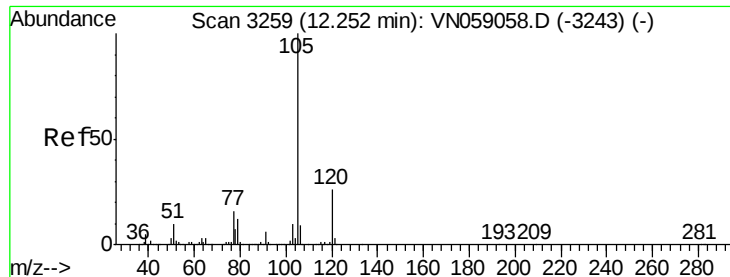
115 58.9 29.6 88.9

150 162.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.340 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

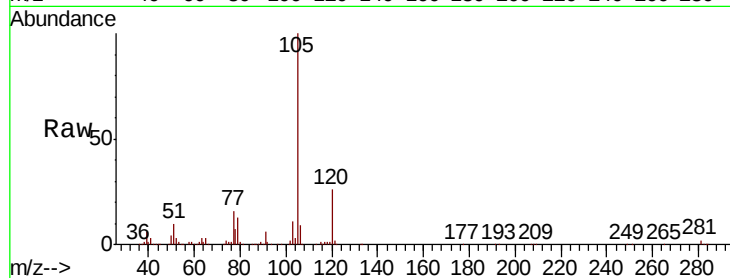
VN1105WBS01

Tot Ion:105 Resp: 428030

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

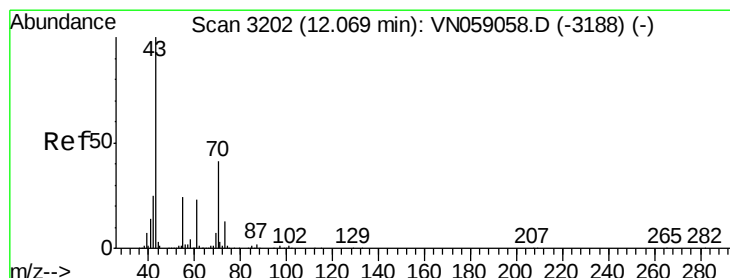
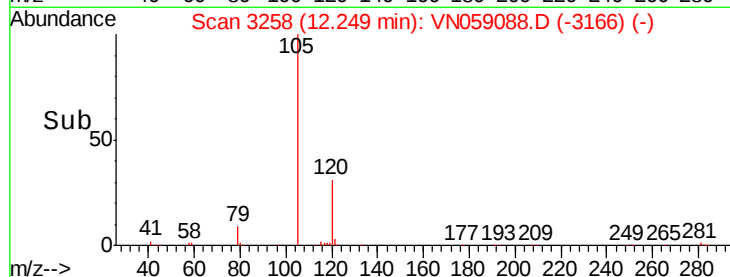
50000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 18.689 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion: 43 Resp: 174949

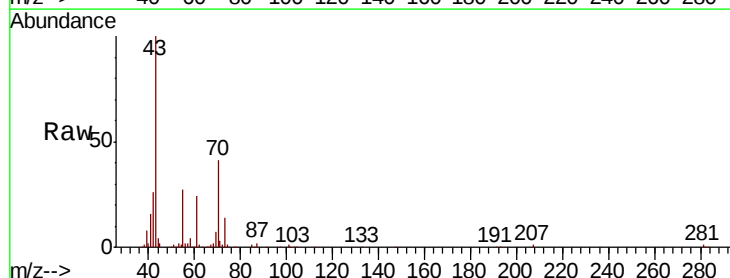
Ion Ratio Lower Upper

43 100

70 41.1 32.6 49.0

55 27.1 19.7 29.5

61 23.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

100000

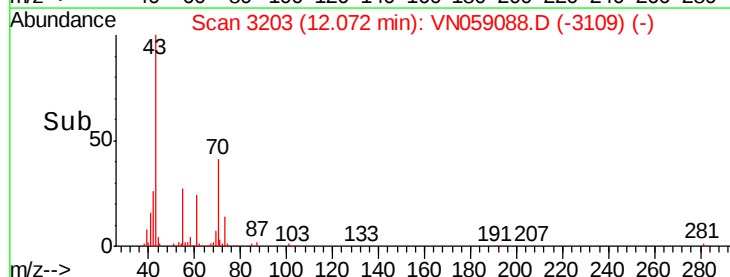
50000

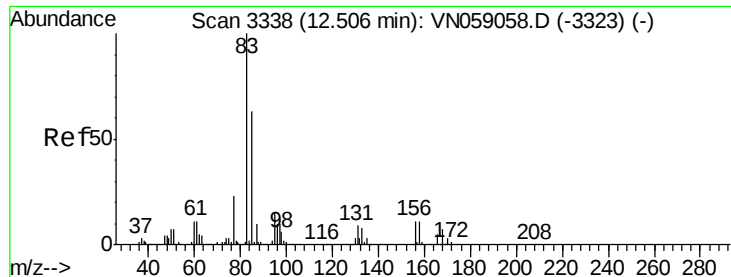
0

12.07

12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.183 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

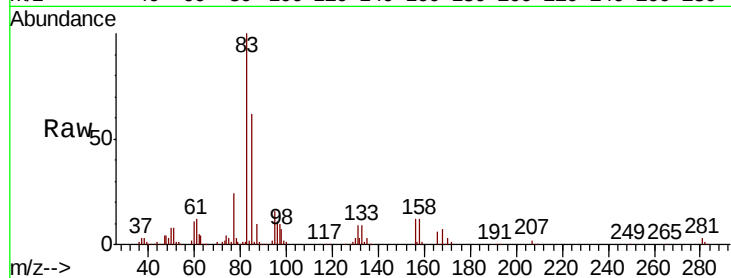
Tot Ion: 83 Resp: 143795

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.6	31.9	95.9

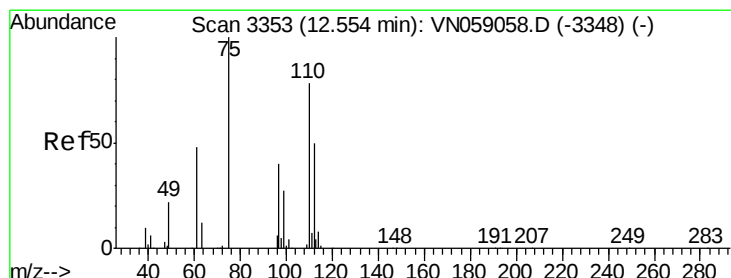
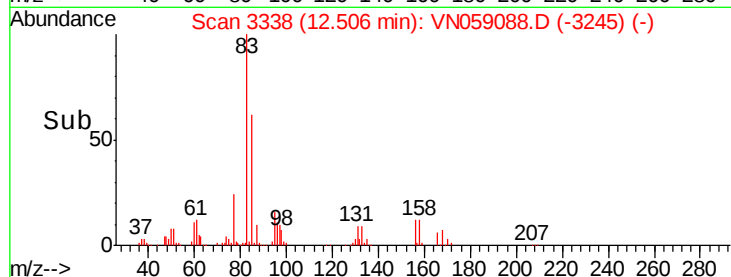
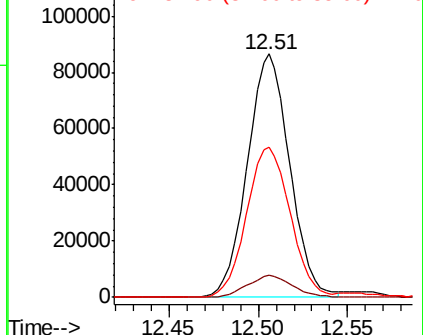
83 100

131 9.5 4.9 14.7

85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.777 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059088.D

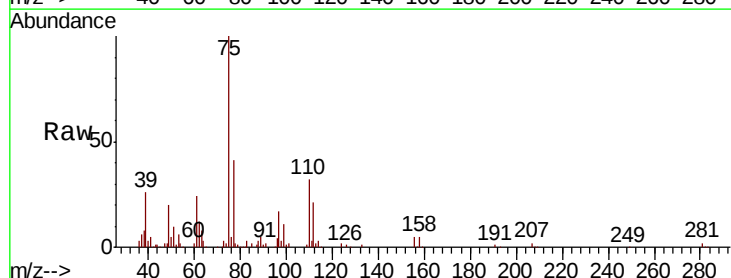
Acq: 5 Nov 2019 13:37

Tgt Ion: 75 Resp: 188021

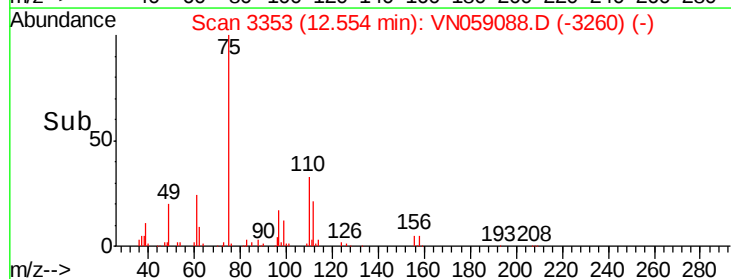
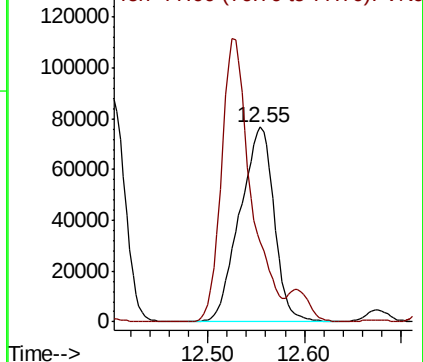
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

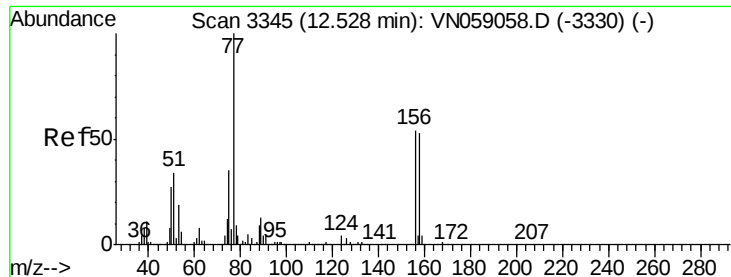
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.413 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

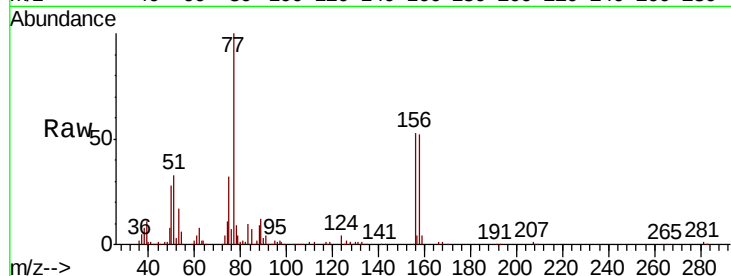
Tot Ion:156 Resp: 102146

Ion Ratio Lower Upper

156 100

77 231.6 114.2 342.6

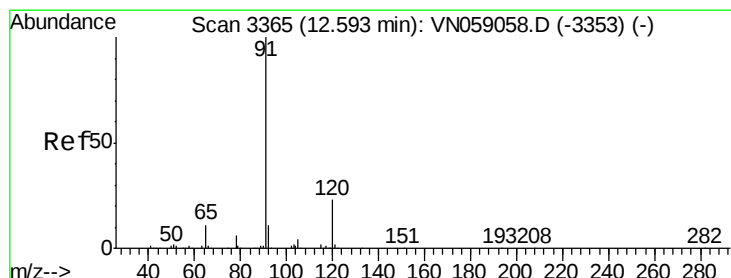
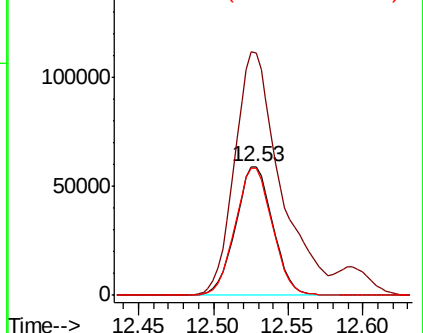
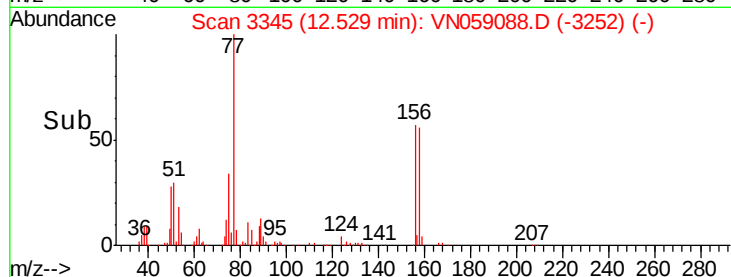
158 98.7 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.610 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059088.D

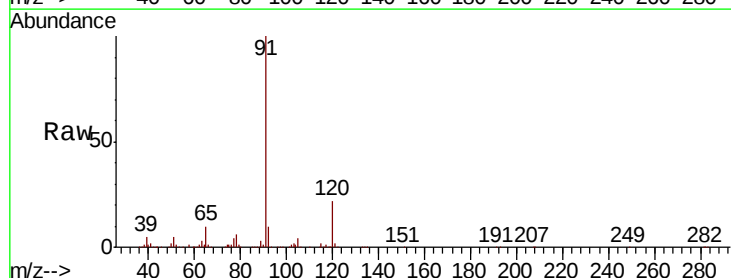
Acq: 5 Nov 2019 13:37

Tgt Ion: 91 Resp: 502306

Ion Ratio Lower Upper

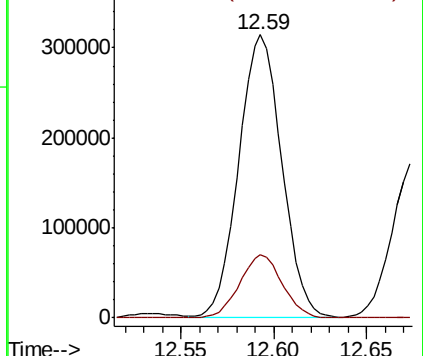
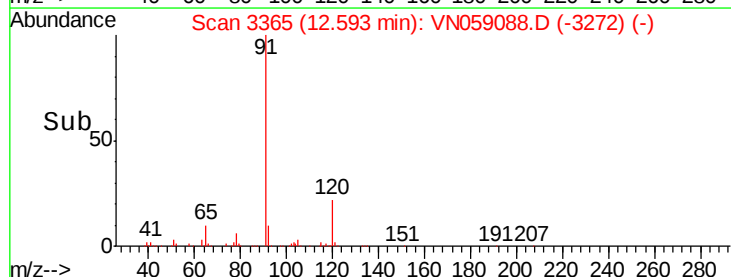
91 100

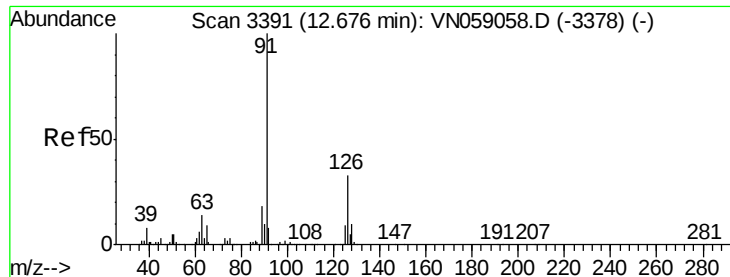
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

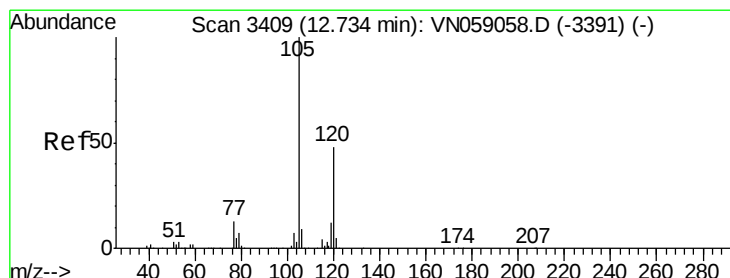
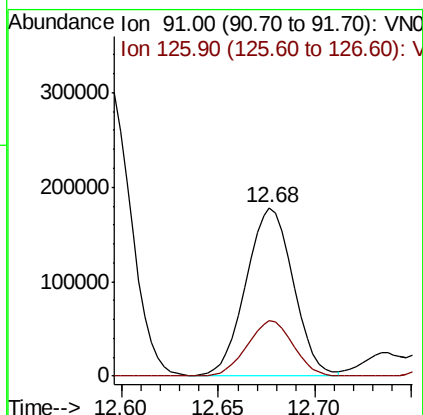
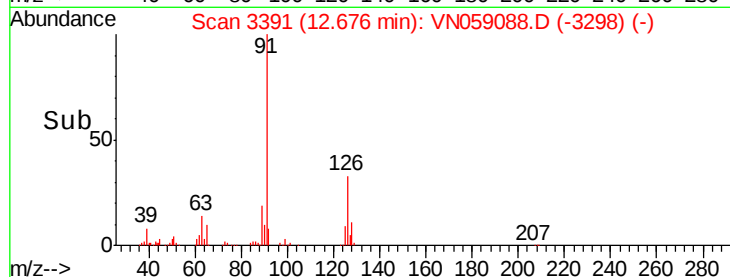
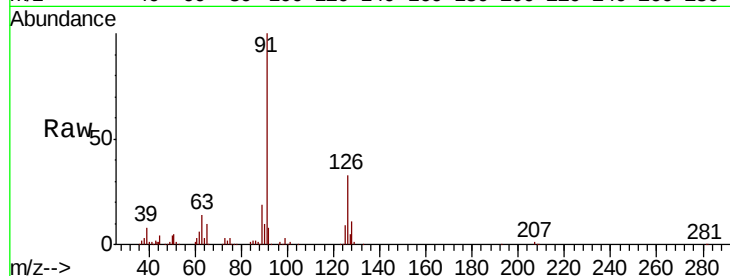




#79
 2-Chlorotoluene
 Concen: 19.822 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

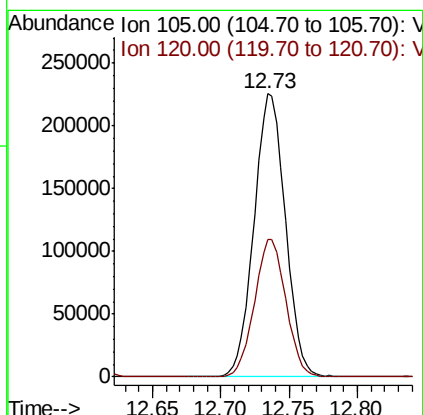
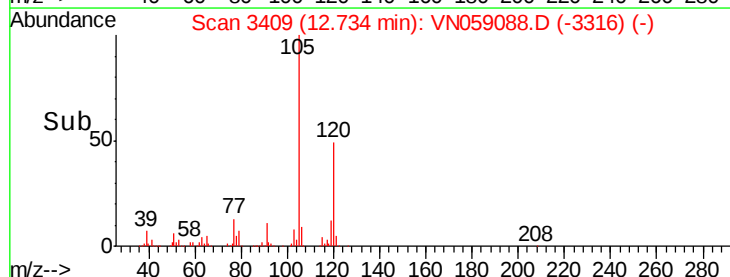
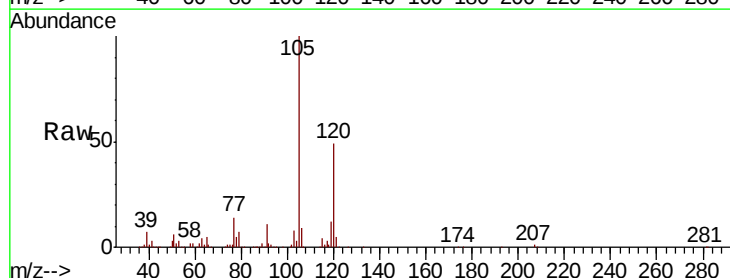
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

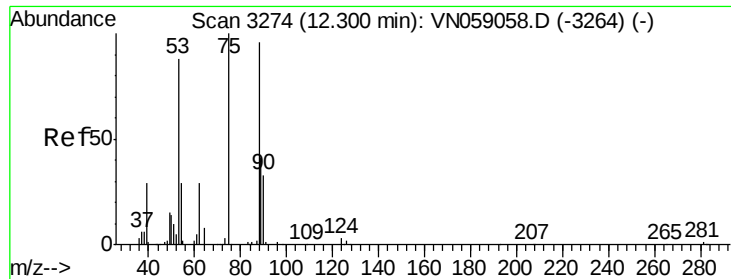
Tot Ion: 91 Resp: 299986
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.067 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 105 Resp: 358892
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.479 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

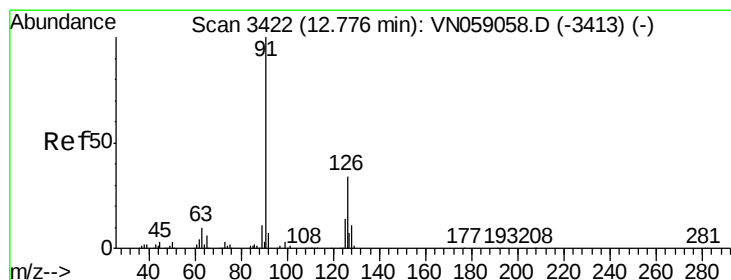
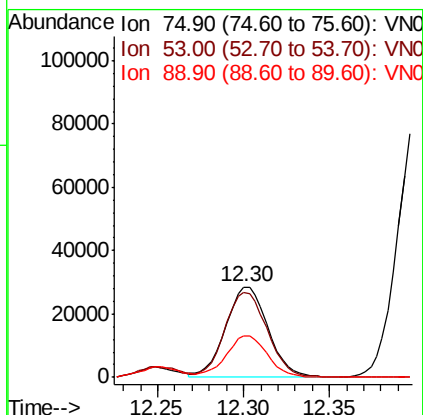
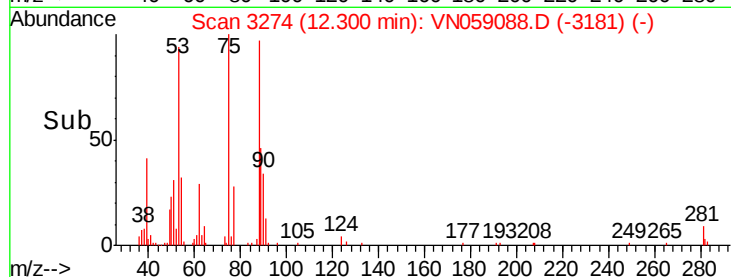
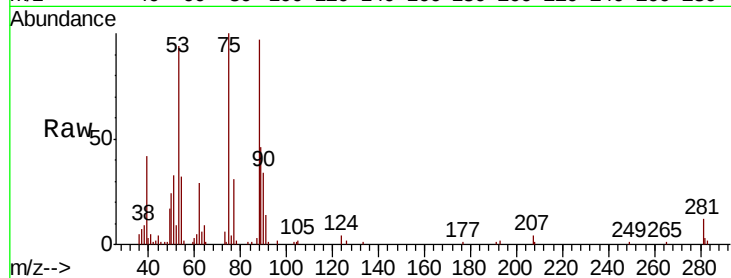
Tot Ion: 75 Resp: 48793

Ion Ratio Lower Upper

75 100

53 95.2 70.4 105.6

89 45.3 34.2 51.2



#82

4-Chlorotoluene

Concen: 19.600 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059088.D

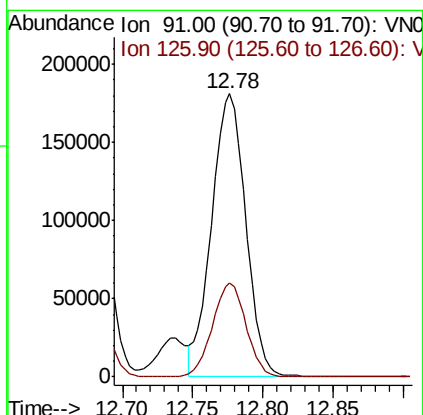
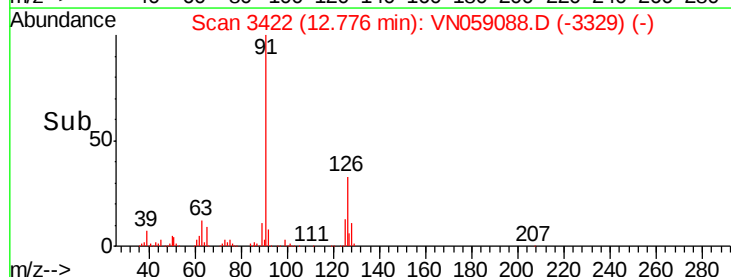
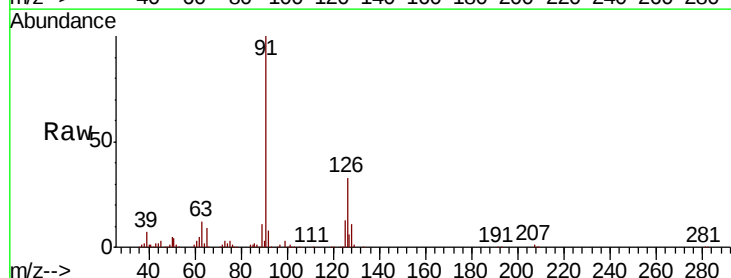
Acq: 5 Nov 2019 13:37

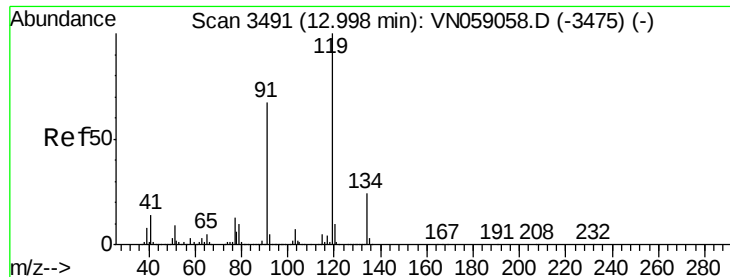
Tgt Ion: 91 Resp: 302722

Ion Ratio Lower Upper

91 100

126 32.8 16.0 47.9

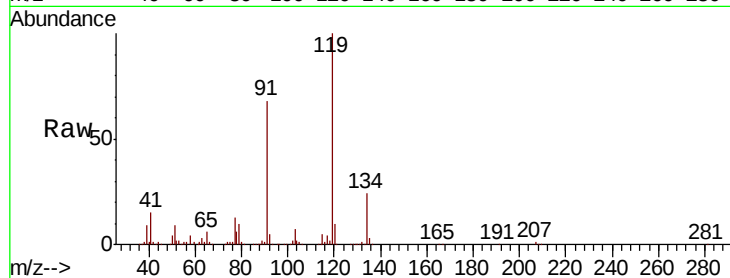




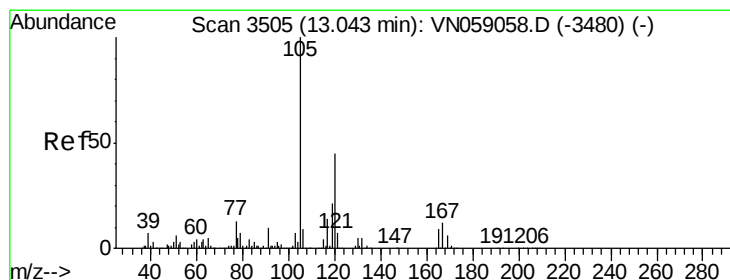
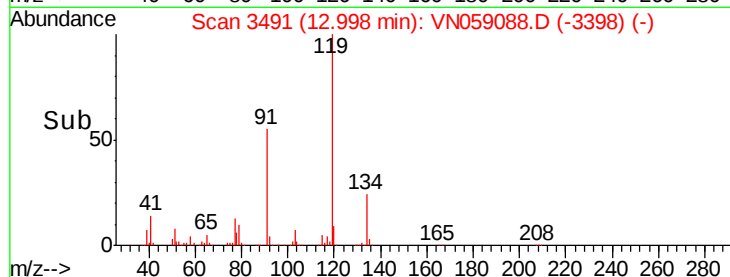
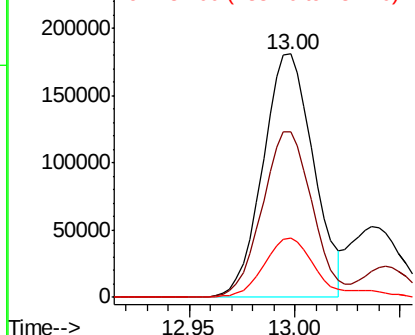
#83
tert-Butylbenzene
Concen: 19.913 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.7	101.0
134	24.1	12.9	38.7

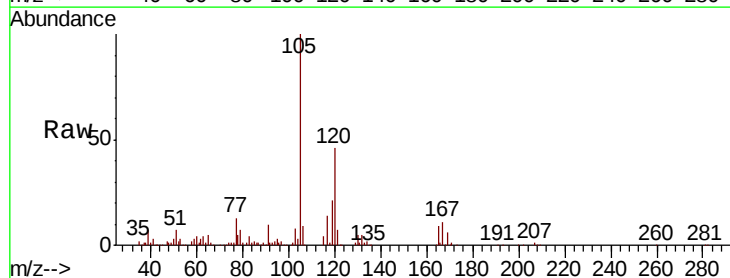


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

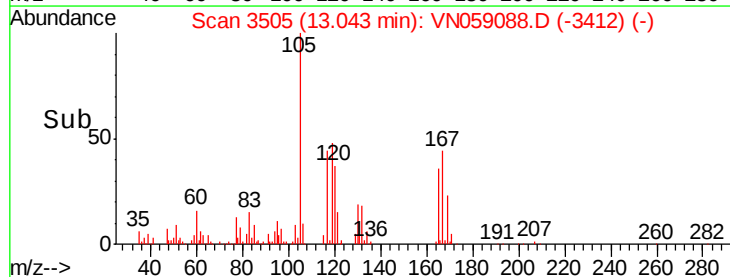
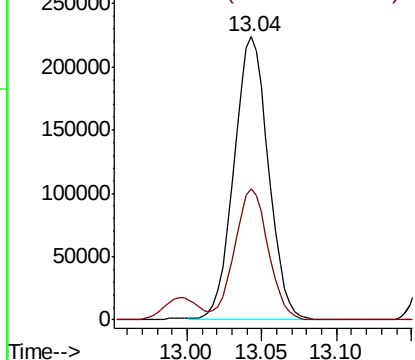


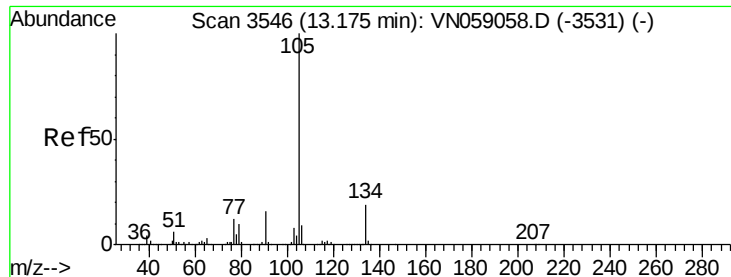
#84
1,2,4-Trimethylbenzene
Concen: 20.529 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.9



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





#85

sec-Butylbenzene

Concen: 20.353 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

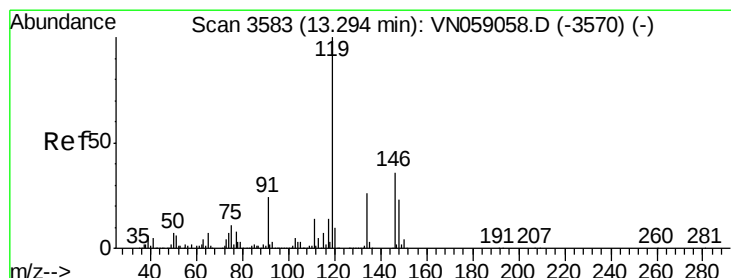
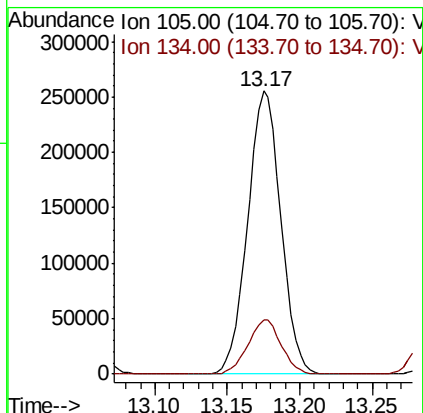
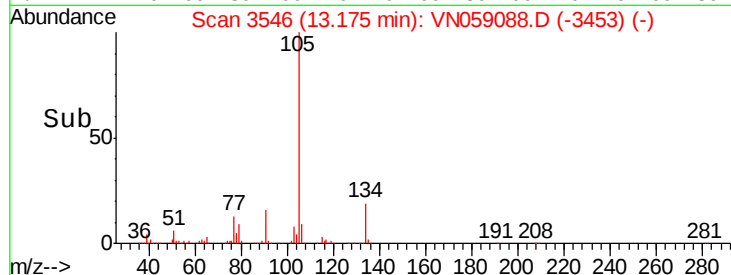
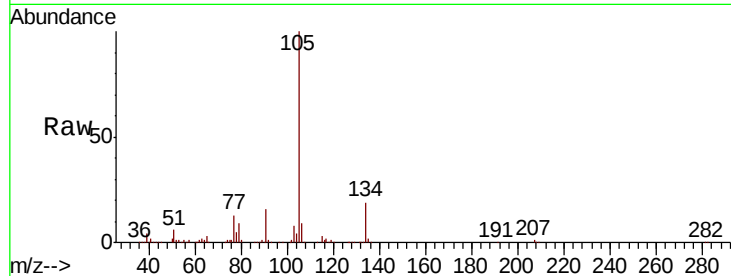
VN1105WBS01

Tot Ion:105 Resp: 405274

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.382 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

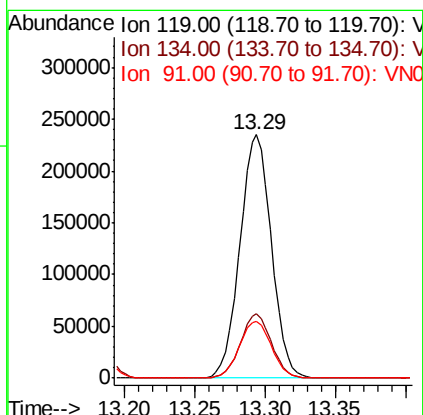
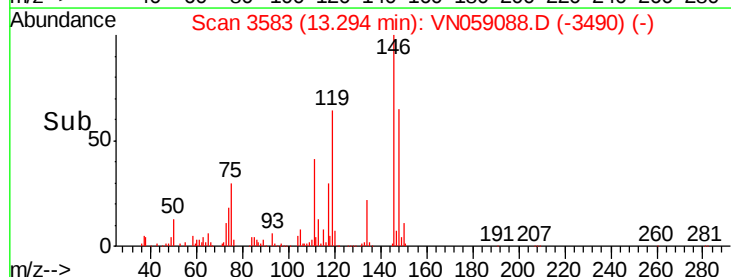
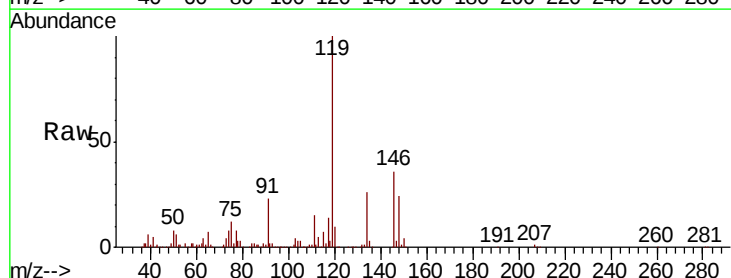
Tgt Ion:119 Resp: 365897

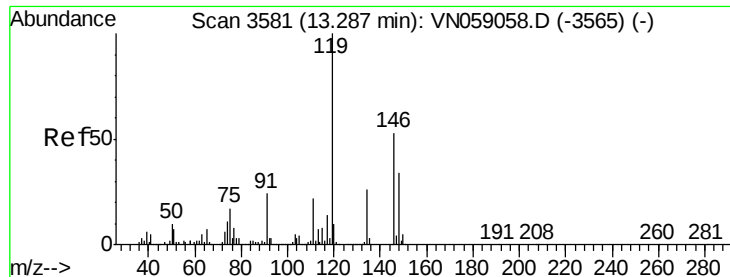
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.6 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.081 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

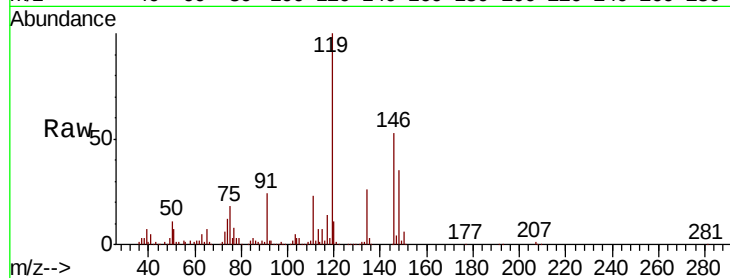
Tot Ion:146 Resp: 178383

Ion Ratio Lower Upper

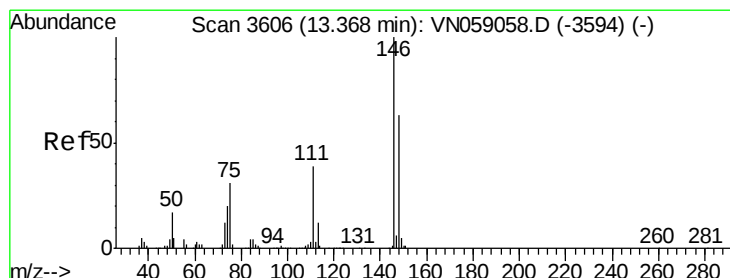
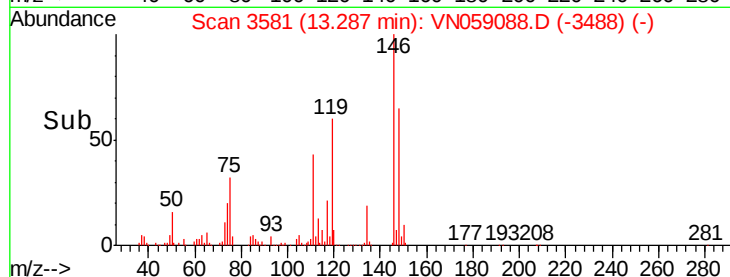
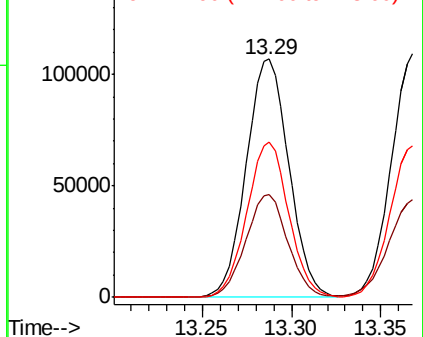
146 100

111 42.7 20.5 61.5

148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
150000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.179 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

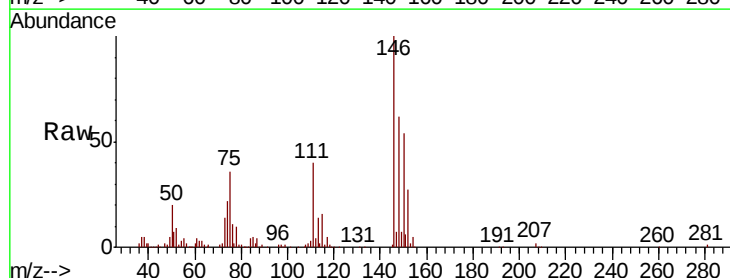
Tgt Ion:146 Resp: 177358

Ion Ratio Lower Upper

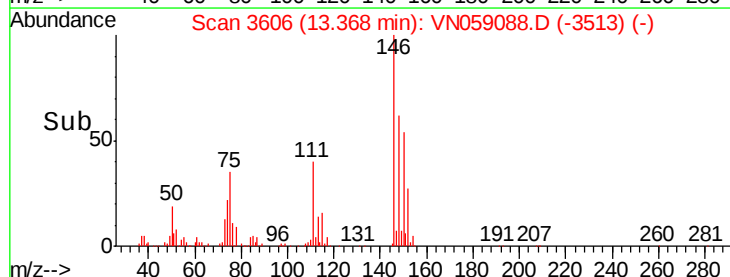
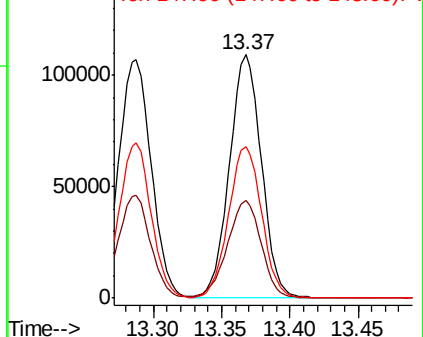
146 100

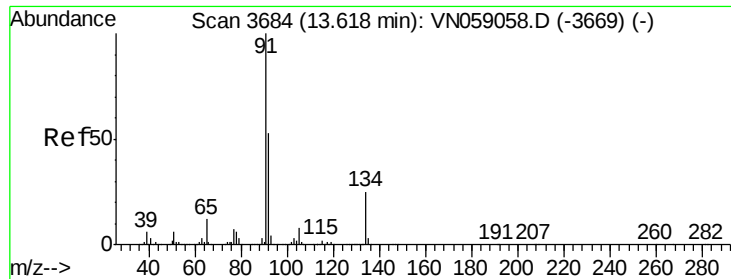
111 42.7 20.1 60.2

148 64.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
150000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.036 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

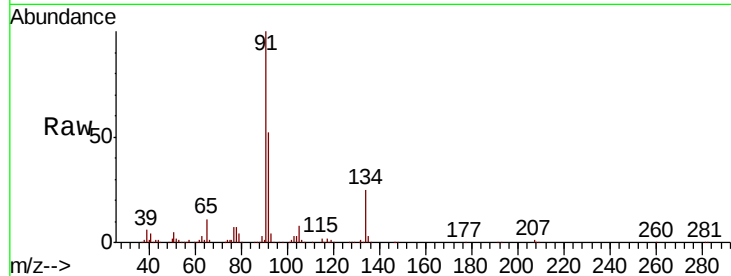
Tot Ion: 91 Resp: 313404

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.0

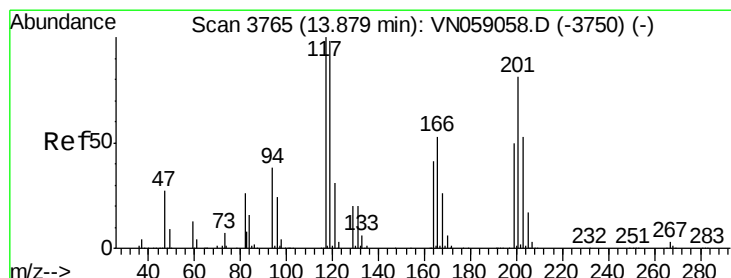
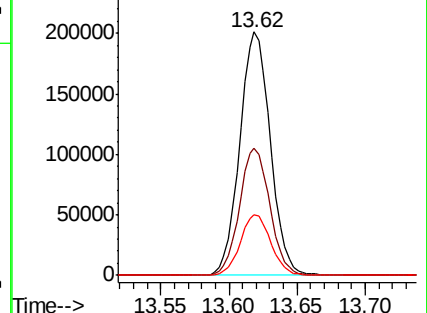
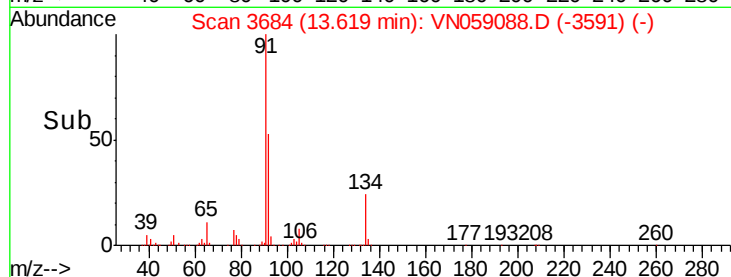
134 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VN059088.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059088.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059088.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.458 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059088.D

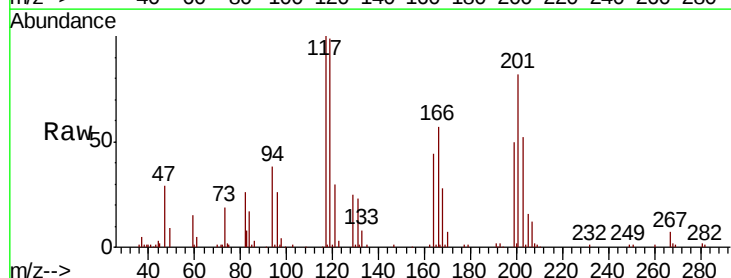
Acq: 5 Nov 2019 13:37

Tgt Ion: 117 Resp: 69437

Ion Ratio Lower Upper

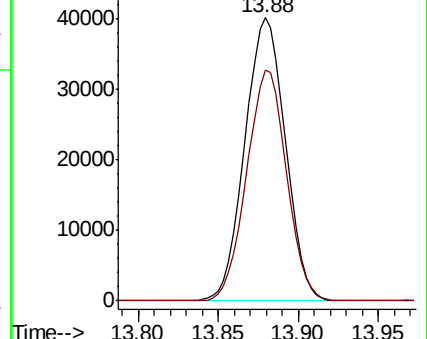
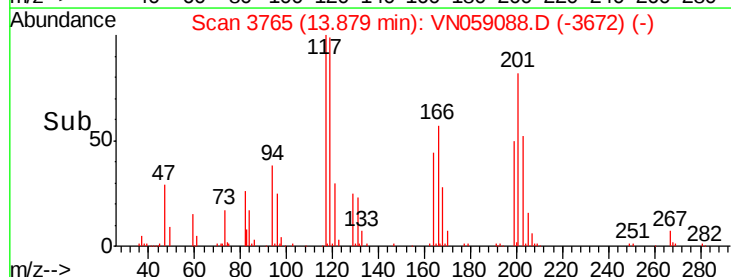
117 100

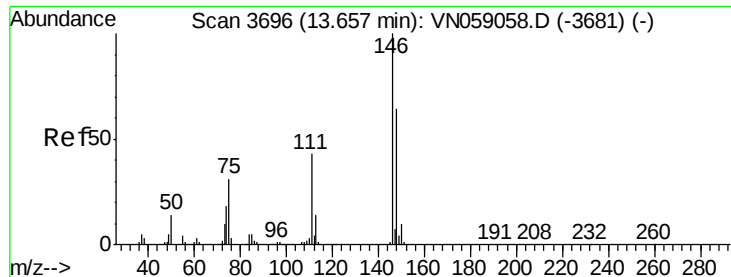
201 80.3 40.7 122.1



Abundance Ion 116.80 (116.50 to 117.50): VN059088.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059088.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 19.342 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN1105WBS01

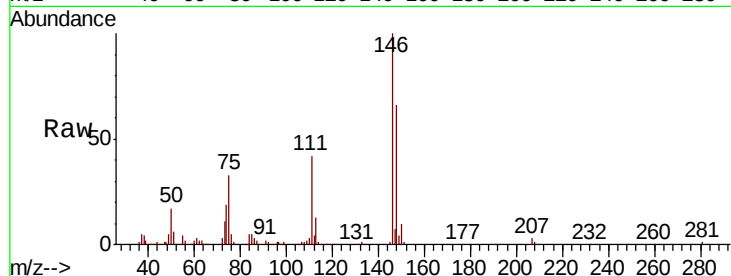
Tot Ion:146 Resp: 179924

Ion Ratio Lower Upper

146 100

111 42.1 21.2 63.6

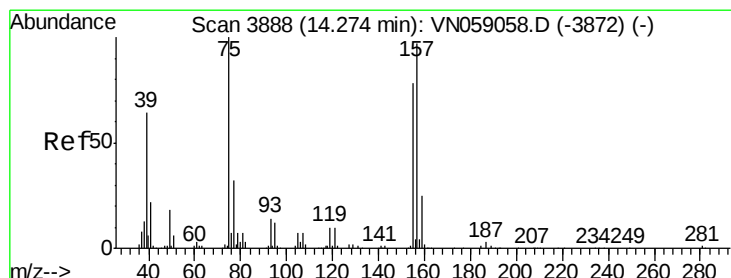
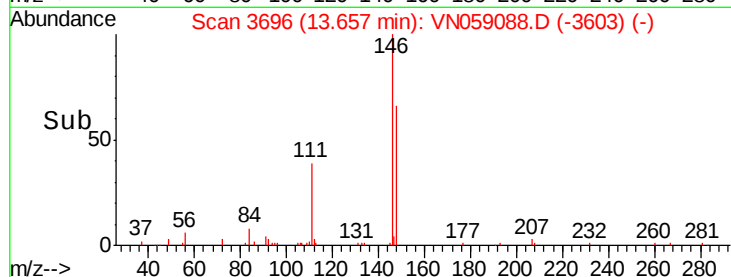
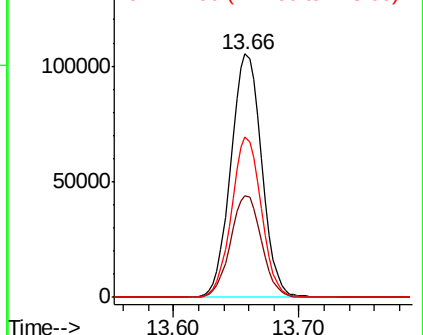
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.300 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

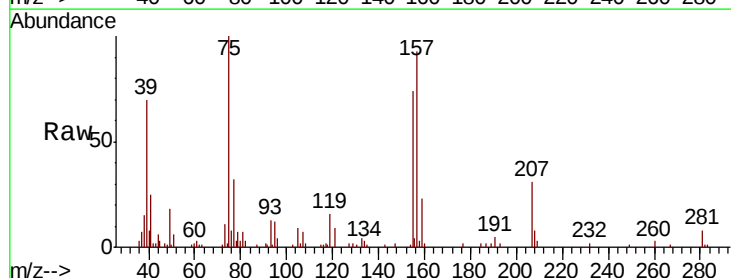
Tgt Ion: 75 Resp: 29631

Ion Ratio Lower Upper

75 100

155 72.9 39.7 119.1

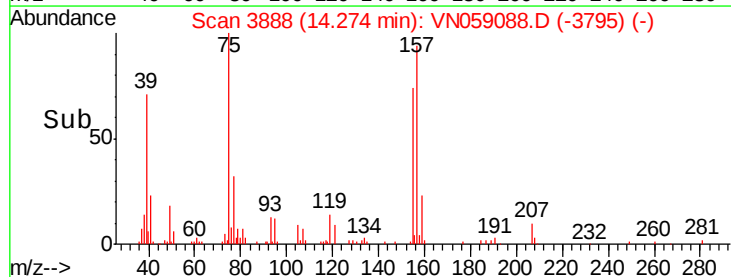
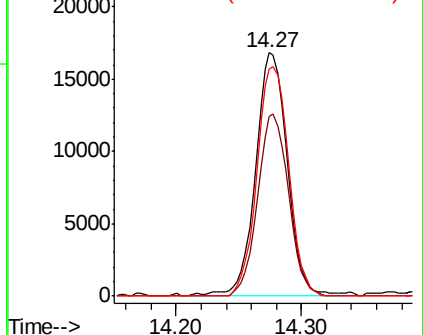
157 94.2 51.0 153.0

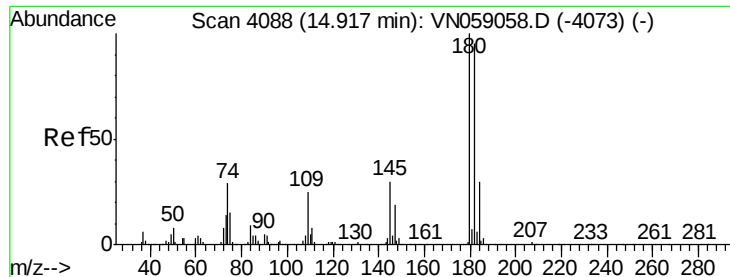


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

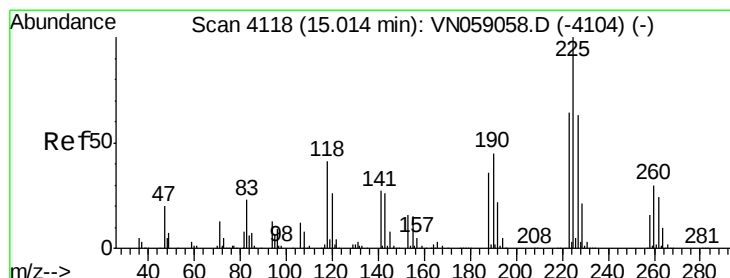
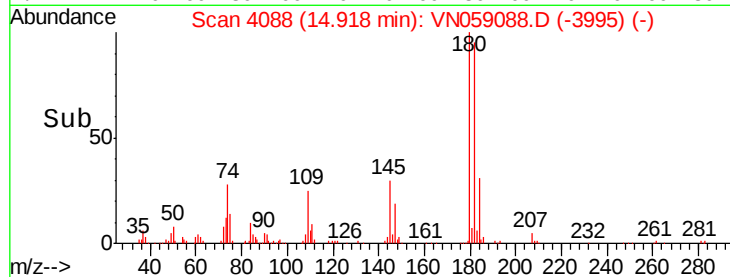
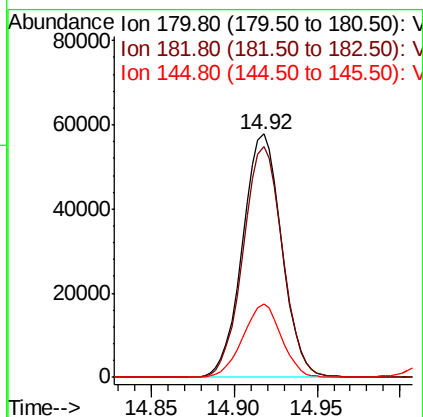
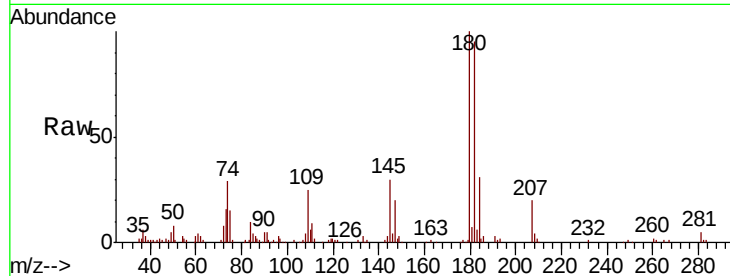




#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

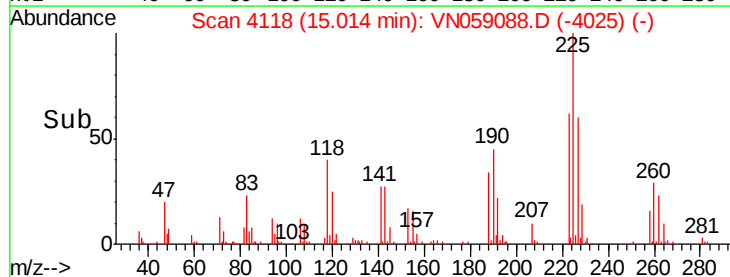
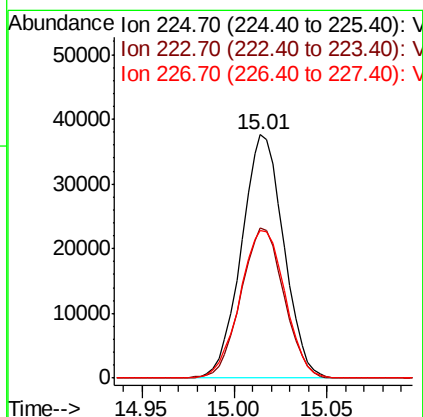
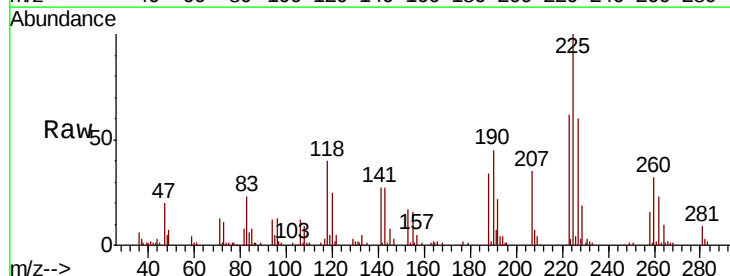
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

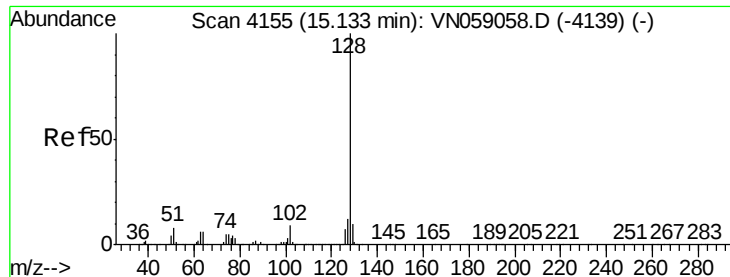
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.4
145	29.6	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 19.813 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	64.6	31.9	95.7





#95

Naphthalene

Concen: 17.851 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

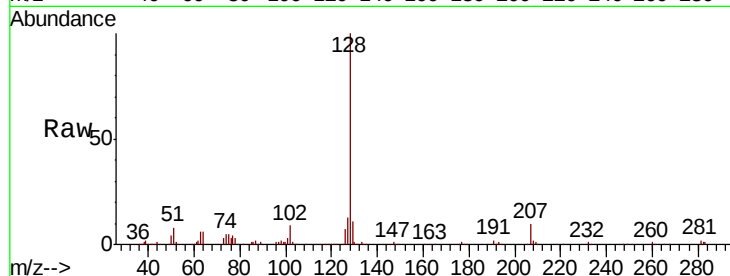
Tot Ion:128 Resp: 247235

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

129 11.0 8.4 12.6



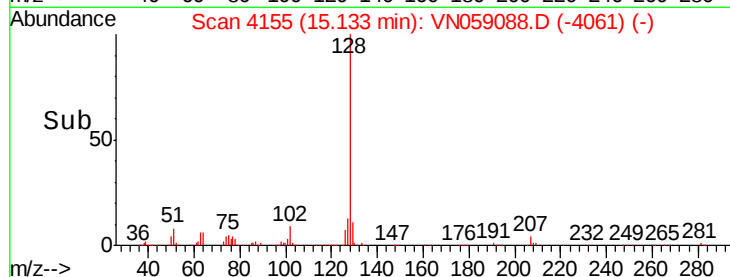
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

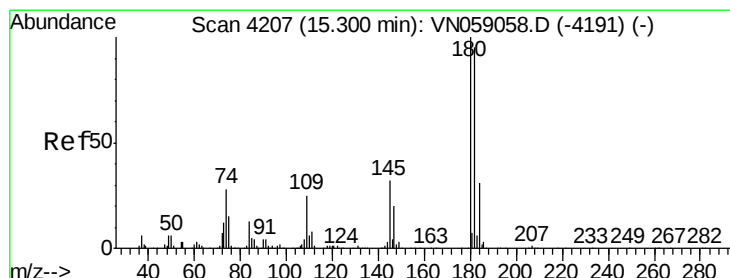
Ion 129.00 (128.70 to 129.70): V

15.13

15.10 15.20



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 18.618 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

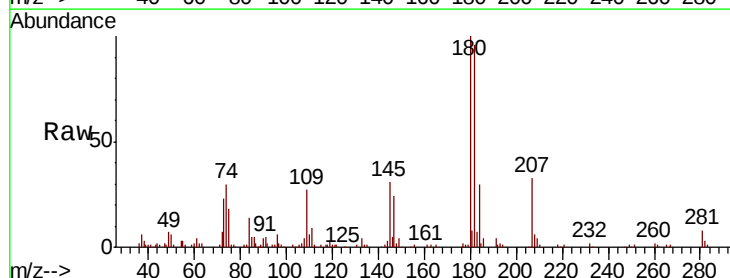
Tgt Ion:180 Resp: 95068

Ion Ratio Lower Upper

180 100

182 94.3 47.7 143.1

145 31.9 16.0 48.0



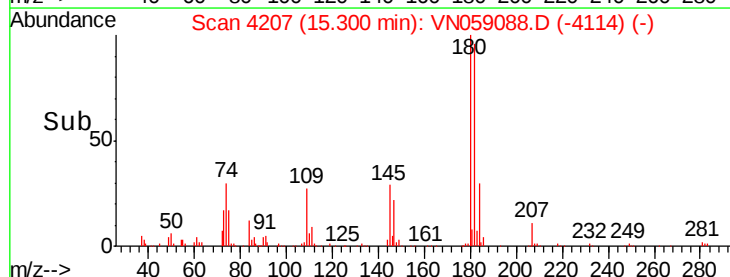
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30

15.25 15.35



Time-->