

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059076.D
 Acq On : 4 Nov 2019 11:12
 Operator : JC/SP
 Sample : VN1104WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Quant Time: Nov 05 01:17:38 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	356317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	504277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	165173	35.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.00%	
35) Dibromofluoromethane	7.57	113	122568	33.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.86%	
50) Toluene-d8	10.08	98	479764	34.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.24%	
62) 4-Bromofluorobenzene	12.40	95	167652	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61199	15.886	ug/l	98
3) Chloromethane	2.04	50	82473	15.788	ug/l	97
4) Vinyl Chloride	2.17	62	83580	16.483	ug/l	99
5) Bromomethane	2.55	94	47504	15.846	ug/l	99
6) Chloroethane	2.69	64	49360	15.895	ug/l	98
7) Trichlorofluoromethane	3.00	101	97711	16.217	ug/l	98
8) Diethyl Ether	3.39	74	38089	16.187	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	58964	16.603	ug/l	99
10) Methyl Iodide	3.93	142	64228	14.879	ug/l	98
11) Tert butyl alcohol	4.74	59	62906	72.026	ug/l	100
12) 1,1-Dichloroethene	3.71	96	54331	15.383	ug/l	95
13) Acrolein	3.58	56	24768	44.943	ug/l	99
14) Allyl chloride	4.29	41	111414	15.919	ug/l	98
15) Acrylonitrile	4.95	53	169759	77.484	ug/l	98
16) Acetone	3.79	43	194912	81.586	ug/l	100
17) Carbon Disulfide	4.03	76	175487	15.628	ug/l	99
18) Methyl Acetate	4.29	43	86622	14.312	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	187311	15.571	ug/l	98
20) Methylene Chloride	4.52	84	67005	16.021	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	60295	15.902	ug/l	99
22) Diisopropyl ether	5.92	45	214713	16.107	ug/l	93
23) Vinyl Acetate	5.86	43	860712	81.064	ug/l	100
24) 1,1-Dichloroethane	5.82	63	124238	16.301	ug/l	98
25) 2-Butanone	6.81	43	240078	75.470	ug/l	98
26) 2,2-Dichloropropane	6.79	77	103372	15.626	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	68861	16.129	ug/l	99
28) Bromochloromethane	7.16	49	19825	8.428	ug/l #	17
29) Tetrahydrofuran	7.18	42	151981	75.702	ug/l	98
30) Chloroform	7.35	83	117118	16.070	ug/l	99
31) Cyclohexane	7.63	56	109798	15.104	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	98041	15.900	ug/l	97
36) 1,1-Dichloropropene	7.77	75	86890	15.615	ug/l	100
37) Ethyl Acetate	6.90	43	94379	15.265	ug/l	98
38) Carbon Tetrachloride	7.75	117	85069	15.687	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	100026	15.552	ug/l	98
40) Benzene	8.02	78	265638	16.086	ug/l	99
41) Methacrylonitrile	7.18	41	135105	50.535	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	93830	16.361	ug/l	99
43) Isopropyl Acetate	8.14	43	144545	14.950	ug/l	99
44) Trichloroethene	8.82	130	63411	15.607	ug/l	97
45) 1,2-Dichloropropane	9.10	63	72090	16.142	ug/l	98
46) Dibromomethane	9.19	93	43969	15.929	ug/l	99
47) Bromodichloromethane	9.39	83	88211	15.780	ug/l	100
48) Methyl methacrylate	9.18	41	65328	14.819	ug/l	96
49) 1,4-Dioxane	9.18	88	23342	324.586	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	446953	79.576	ug/l	97
52) Toluene	10.15	92	158308	16.361	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	99388	15.376	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	109236	16.022	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	62189	15.777	ug/l	98
56) Ethyl methacrylate	10.42	69	88349	14.573	ug/l	99
57) 1,3-Dichloropropane	10.70	76	108974	15.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	161766	70.933	ug/l	100
59) 2-Hexanone	10.74	43	328531	76.994	ug/l	98
60) Dibromochloromethane	10.90	129	64727	15.237	ug/l	99
61) 1,2-Dibromoethane	11.00	107	63541	15.913	ug/l	99
64) Tetrachloroethene	10.63	164	57716	16.384	ug/l	98
65) Chlorobenzene	11.43	112	167045	16.140	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	62852	16.506	ug/l	98
67) Ethyl Benzene	11.51	91	286705	16.002	ug/l	100
68) m/p-Xylenes	11.62	106	213953	31.980	ug/l	98
69) o-Xylene	11.95	106	99864	15.632	ug/l	97
70) Styrene	11.96	104	157643	15.227	ug/l	98
71) Bromoform	12.13	173	44962	15.255	ug/l #	99
73) Isopropylbenzene	12.25	105	274547	16.554	ug/l	100
74) N-amyl acetate	12.07	43	105515	14.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	91167	15.432	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119922	22.480	ug/l #	100
77) Bromobenzene	12.53	156	66913	16.136	ug/l	98
78) n-propylbenzene	12.59	91	315729	16.437	ug/l	99
79) 2-Chlorotoluene	12.68	91	192951	16.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	230575	16.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30829	14.814	ug/l	96
82) 4-Chlorotoluene	12.78	91	194241	15.957	ug/l	99
83) tert-Butylbenzene	12.99	119	191251	15.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	223336	16.307	ug/l	100
85) sec-Butylbenzene	13.18	105	259897	16.562	ug/l	100
86) p-Isopropyltoluene	13.29	119	229932	16.252	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	115666	15.699	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	112955	15.499	ug/l	98
89) n-Butylbenzene	13.62	91	195740	15.878	ug/l	98
90) Hexachloroethane	13.88	117	43726	15.548	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	114977	15.683	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18351	14.381	ug/l	90

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QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

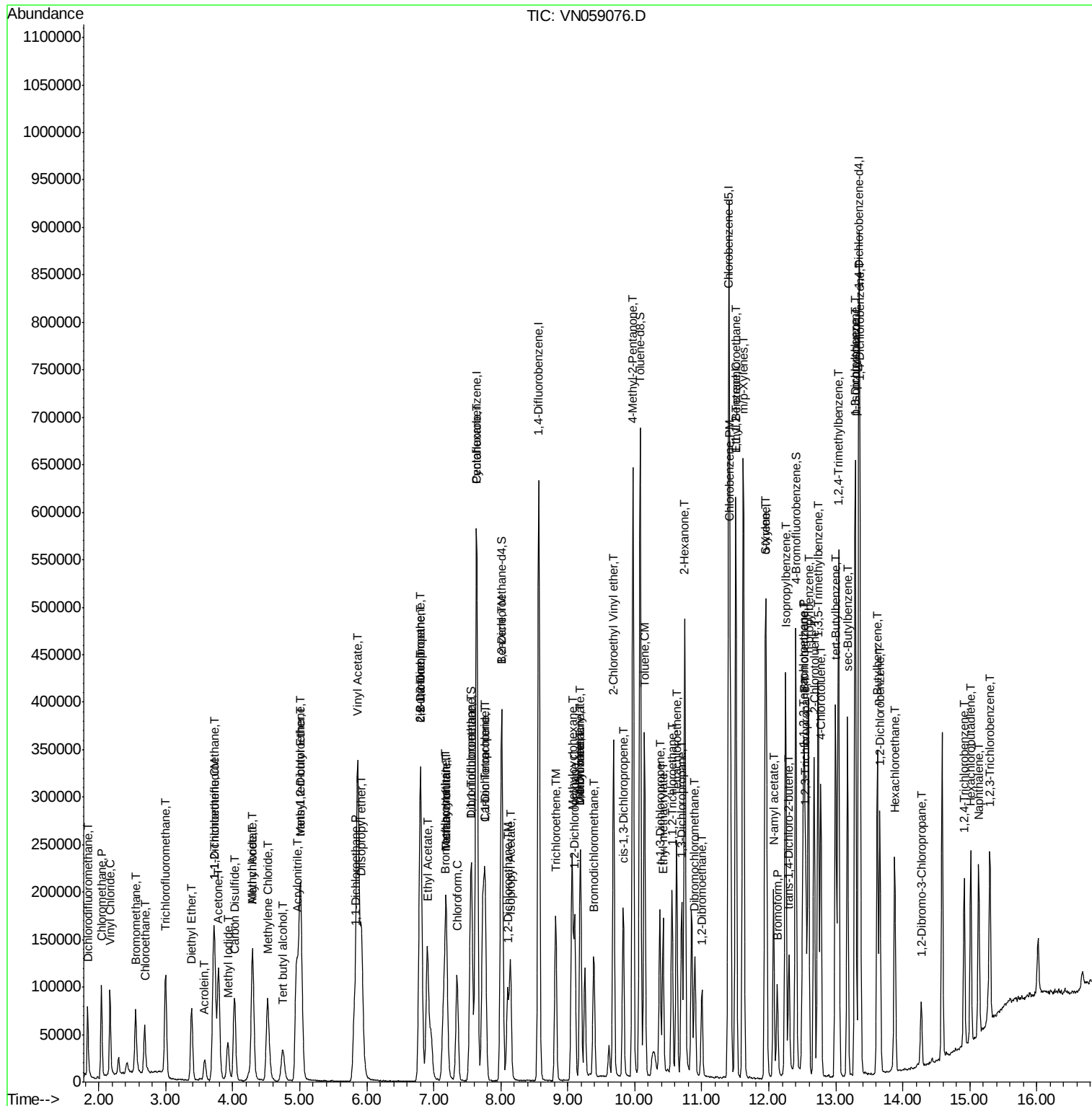
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55772	14.105	ug/l	99
94) Hexachlorobutadiene	15.01	225	39301	16.561	ug/l	98
95) Naphthalene	15.13	128	147226	14.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	57428	14.270	ug/l	99

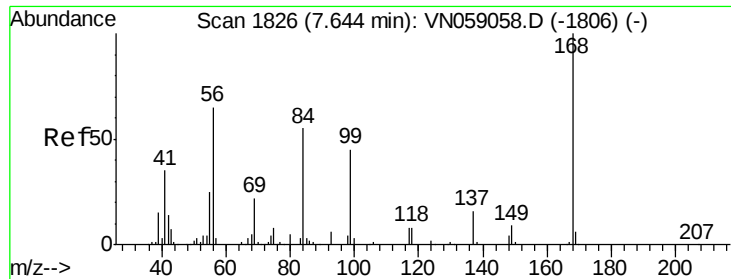
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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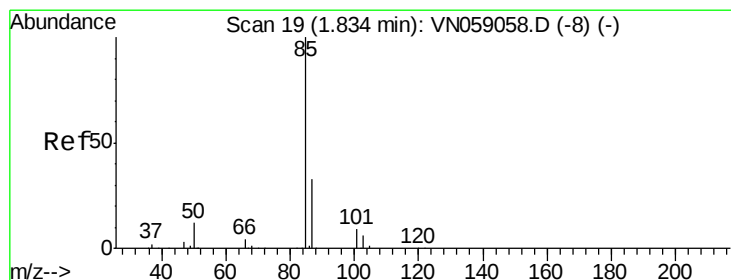
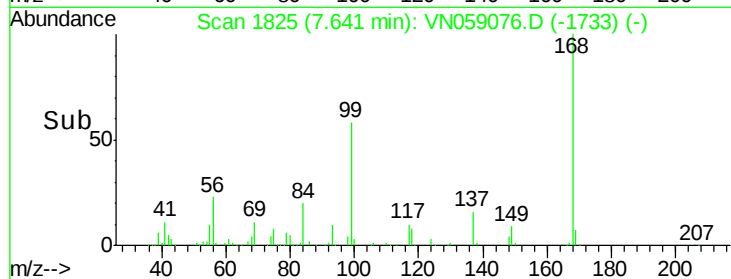
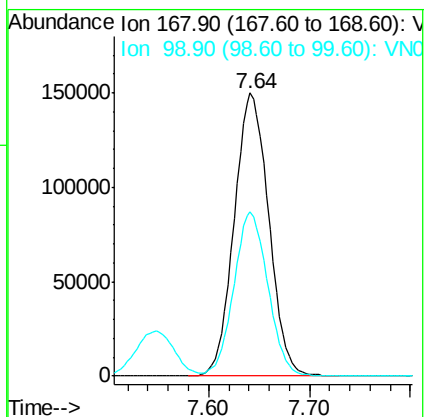
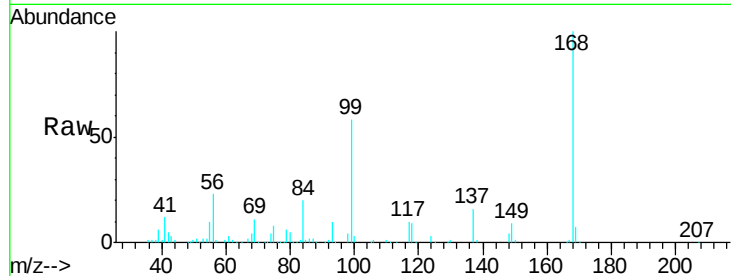




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

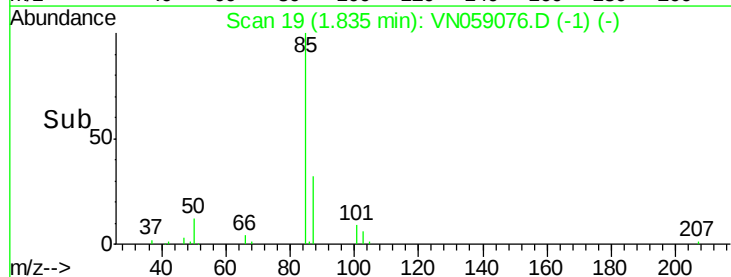
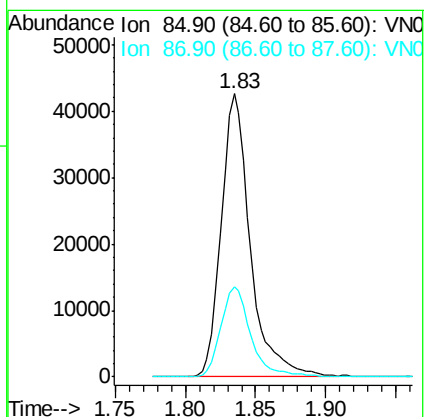
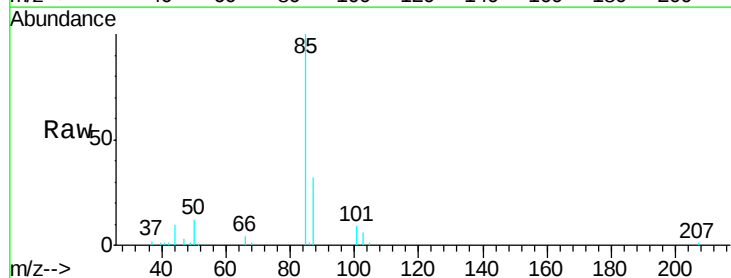
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

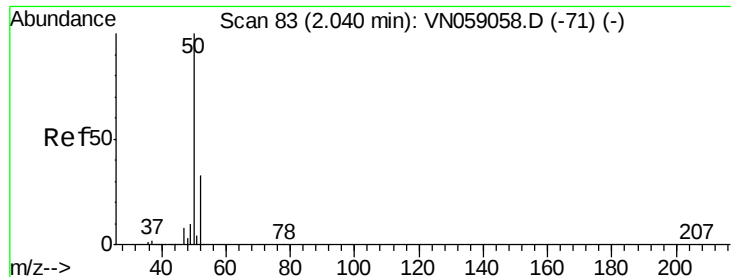
Tgt Ion: 168 Resp: 356317
Ion Ratio Lower Upper
168 100
99 57.7 44.1 66.1



#2
Dichlorodifluoromethane
Concen: 15.886 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 85 Resp: 61199
Ion Ratio Lower Upper
85 100
87 32.0 16.5 49.5





#3

Chloromethane

Concen: 15.788 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

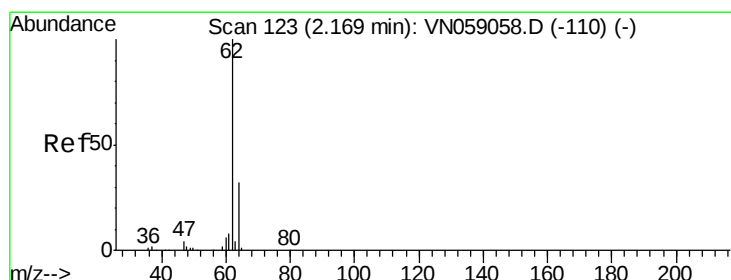
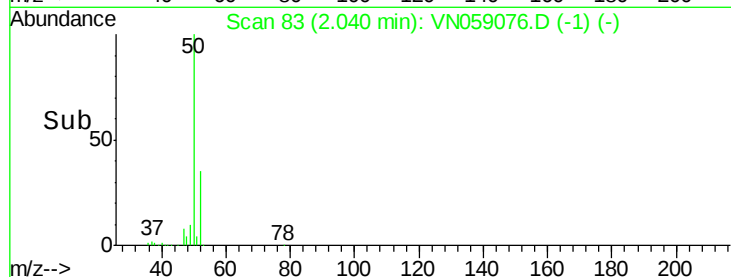
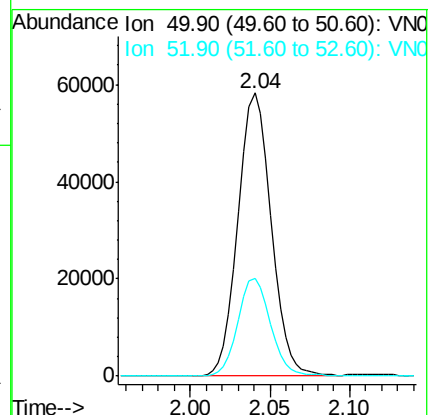
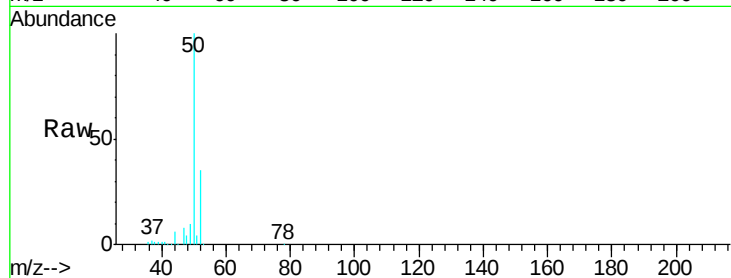
VN1104WBS01

Tgt Ion: 50 Resp: 82473

Ion Ratio Lower Upper

50 100

52 34.6 26.3 39.5



#4

Vinyl Chloride

Concen: 16.483 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059076.D

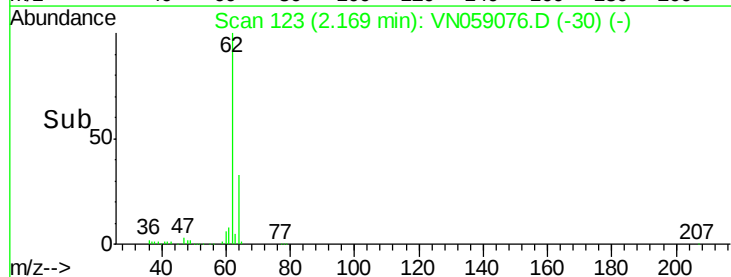
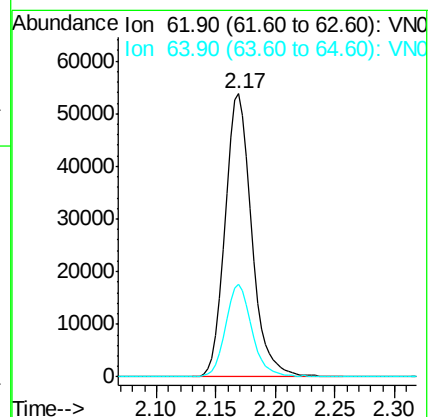
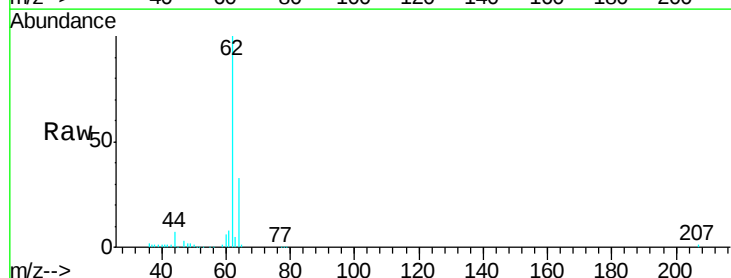
Acq: 4 Nov 2019 11:12

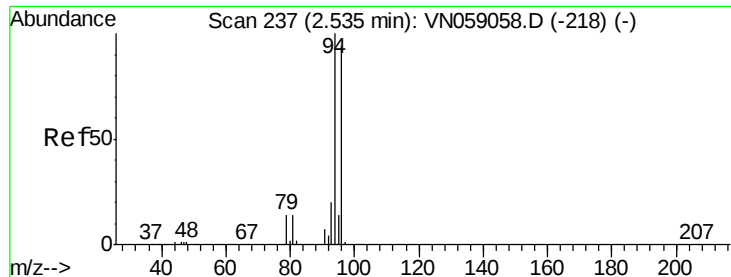
Tgt Ion: 62 Resp: 83580

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 15.846 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

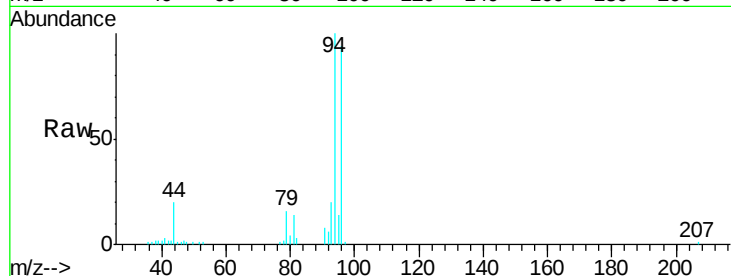
VN1104WBS01

Tgt Ion: 94 Resp: 47504

Ion Ratio Lower Upper

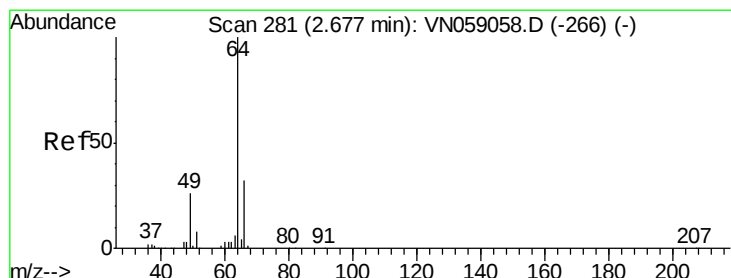
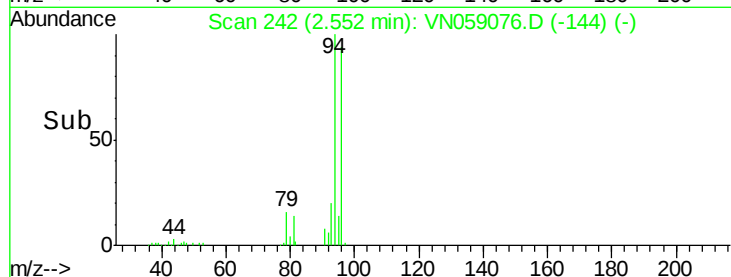
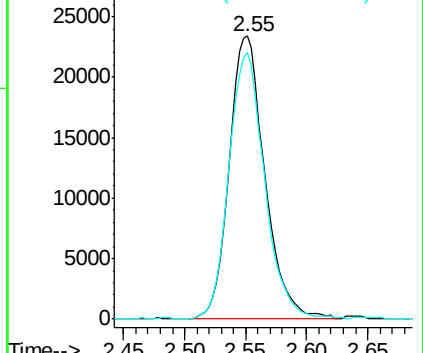
94 100

96 94.4 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.895 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059076.D

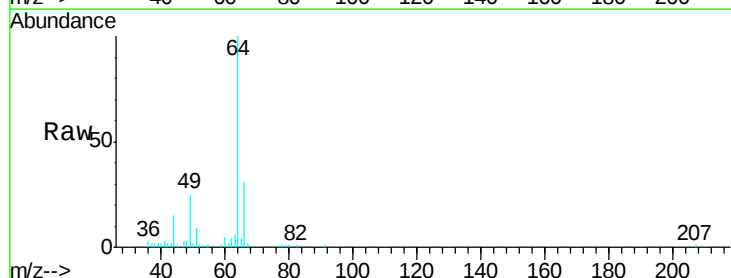
Acq: 4 Nov 2019 11:12

Tgt Ion: 64 Resp: 49360

Ion Ratio Lower Upper

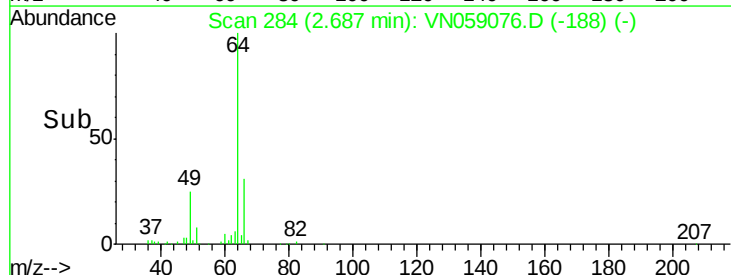
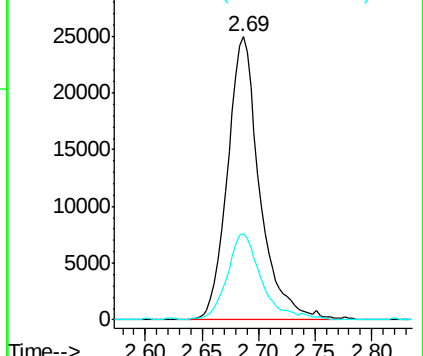
64 100

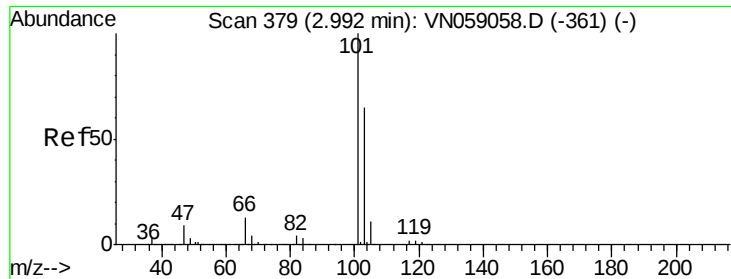
66 30.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



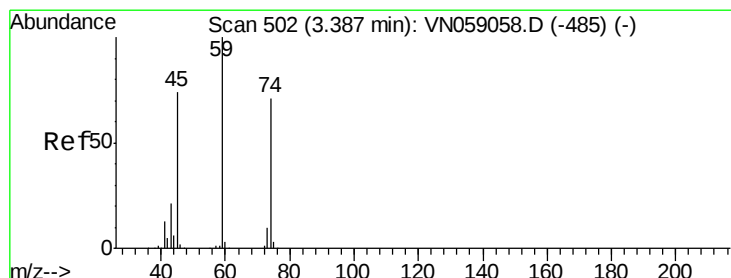
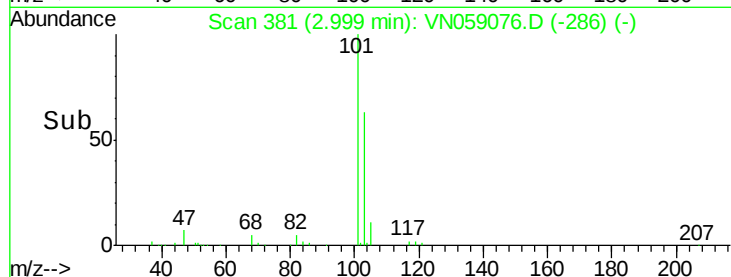
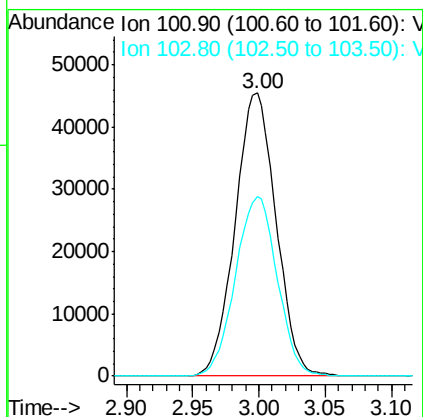
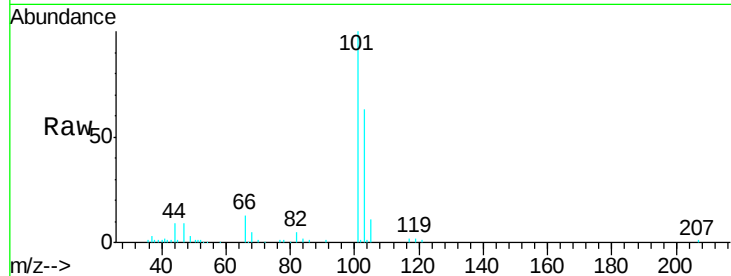


#7

Trichlorofluoromethane
 Concen: 16.217 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
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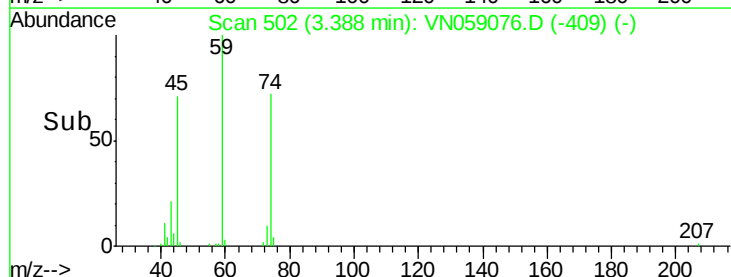
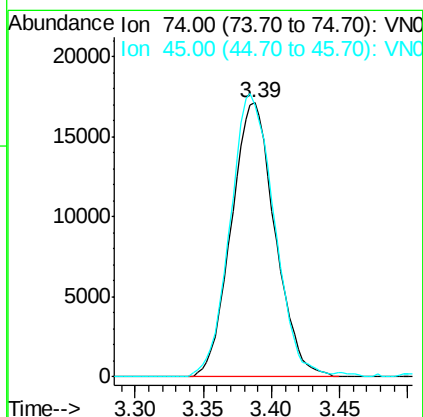
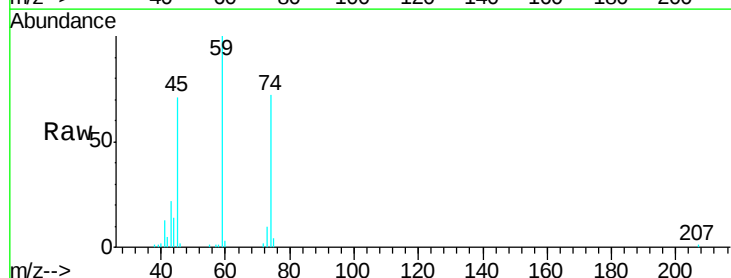
Tgt Ion:101 Resp: 97711
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.7 77.5

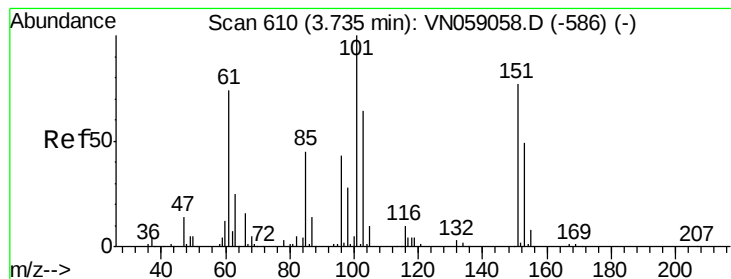


#8

Diethyl Ether
 Concen: 16.187 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 74 Resp: 38089
 Ion Ratio Lower Upper
 74 100
 45 104.2 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.603 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS01

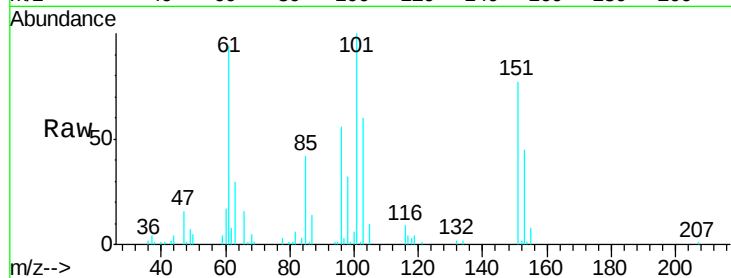
Tgt Ion:101 Resp: 58964

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.6

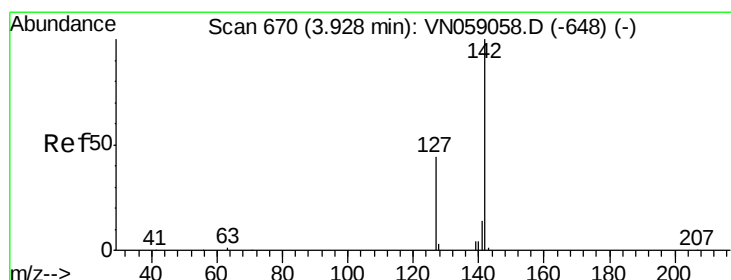
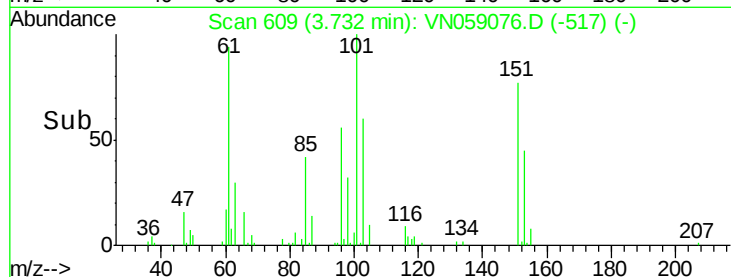
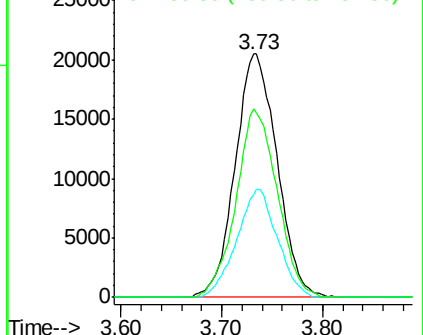
151 76.1 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.879 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

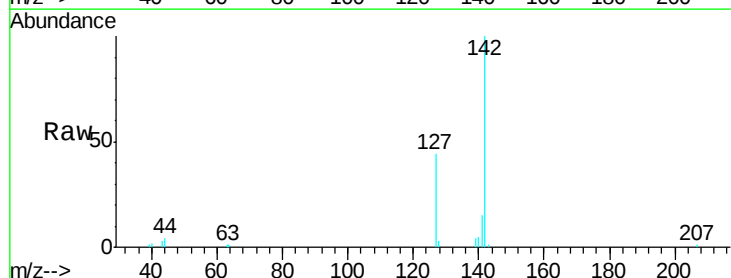
Tgt Ion:142 Resp: 64228

Ion Ratio Lower Upper

142 100

127 44.0 34.2 51.2

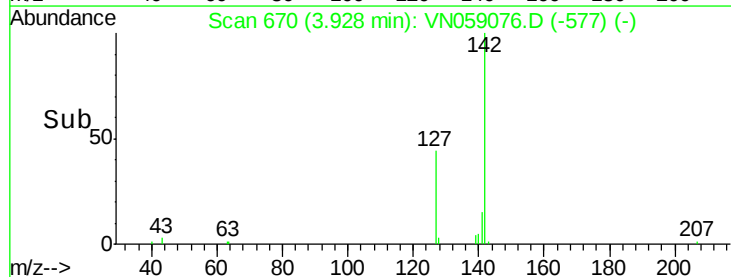
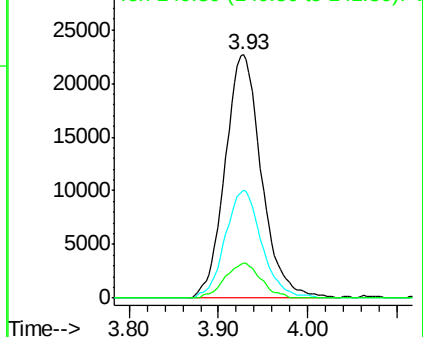
141 14.2 11.1 16.7

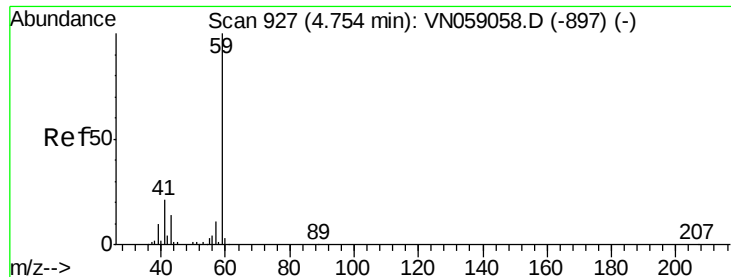


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



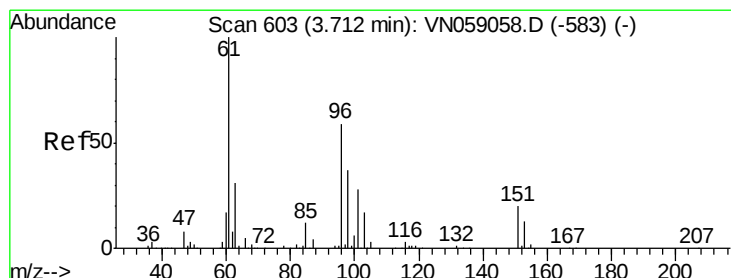
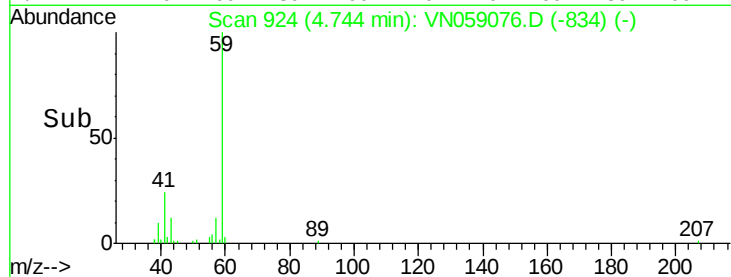
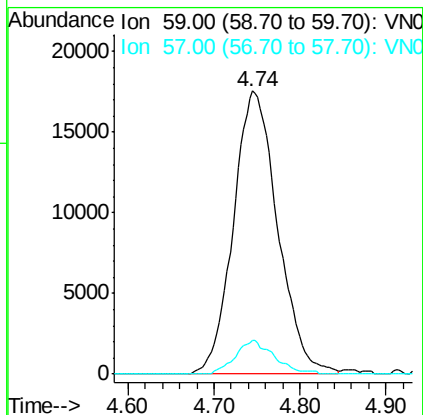
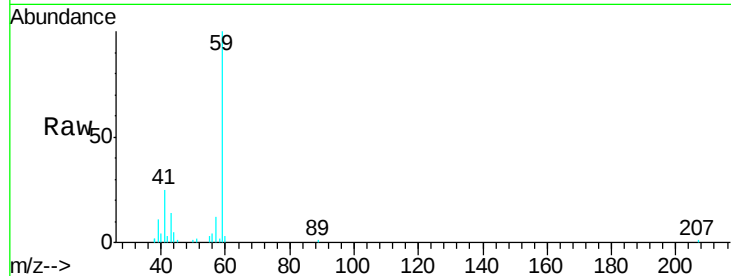


#11

Tert butyl alcohol
 Concen: 72.026 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

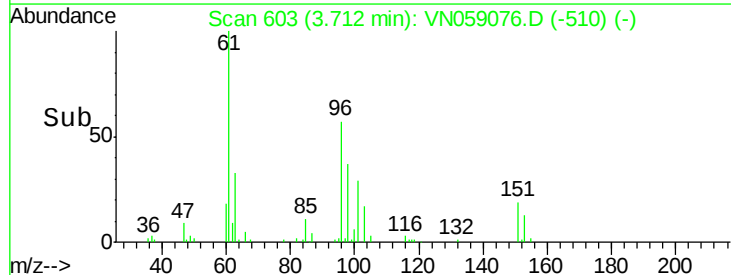
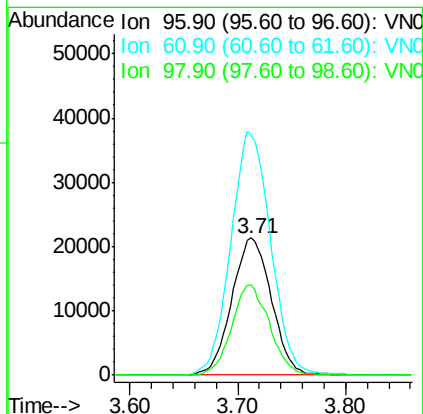
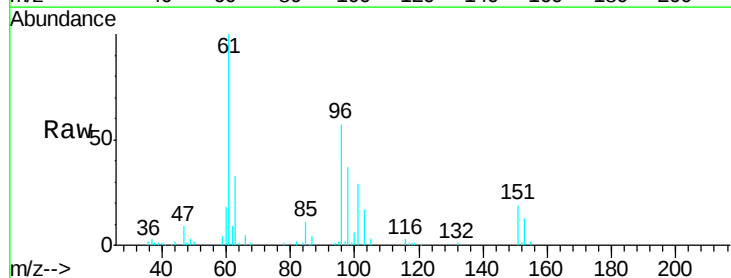
Tgt Ion: 59 Resp: 62906
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

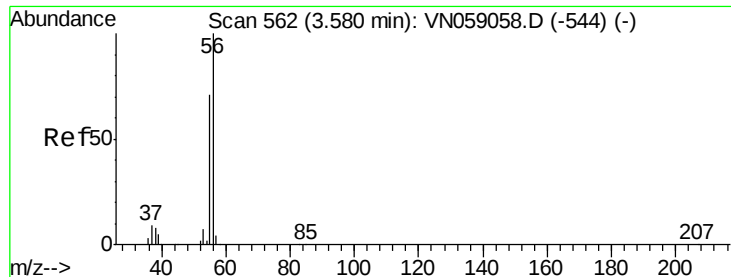


#12

1,1-Dichloroethene
 Concen: 15.383 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 96 Resp: 54331
 Ion Ratio Lower Upper
 96 100
 61 175.6 135.3 202.9
 98 65.6 49.4 74.2





#13

Acrolein

Concen: 44.943 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

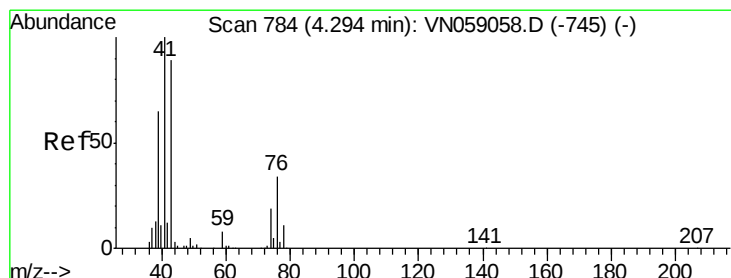
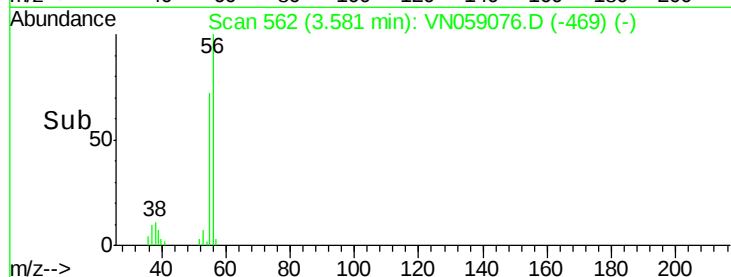
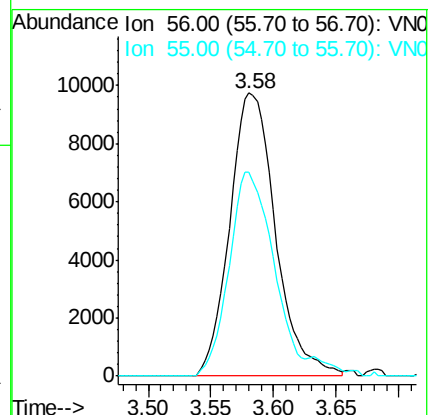
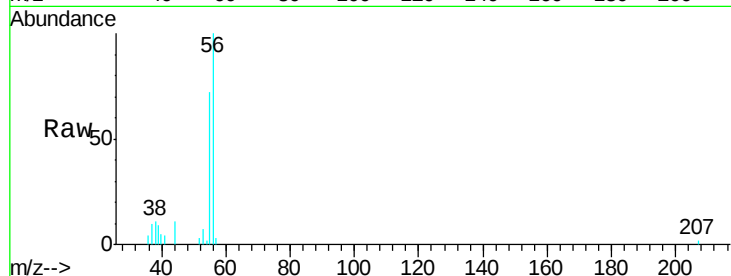
VN1104WBS01

Tgt Ion: 56 Resp: 24768

Ion Ratio Lower Upper

56 100

55 69.4 56.1 84.1



#14

Allyl chloride

Concen: 15.919 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

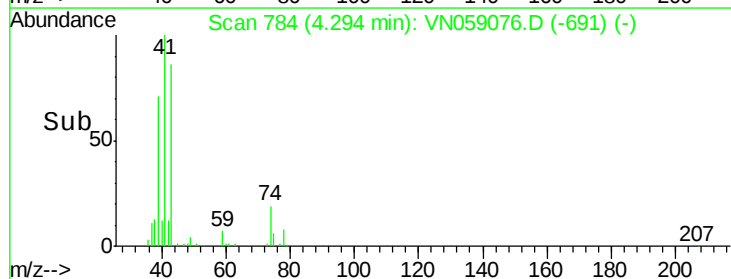
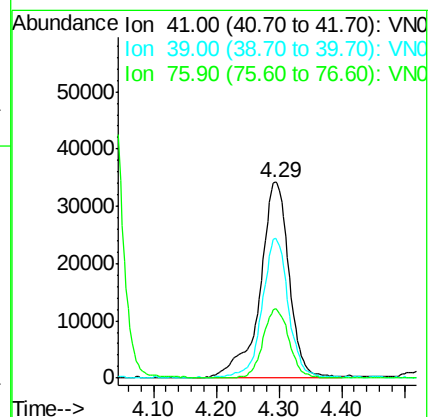
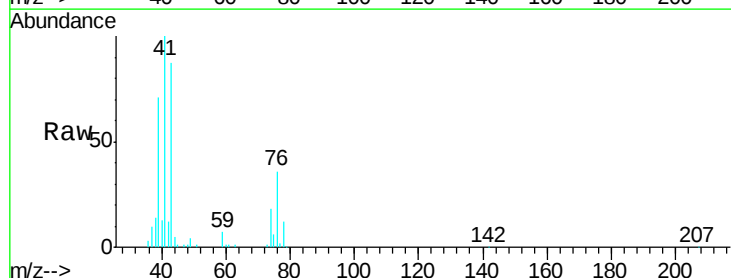
Tgt Ion: 41 Resp: 111414

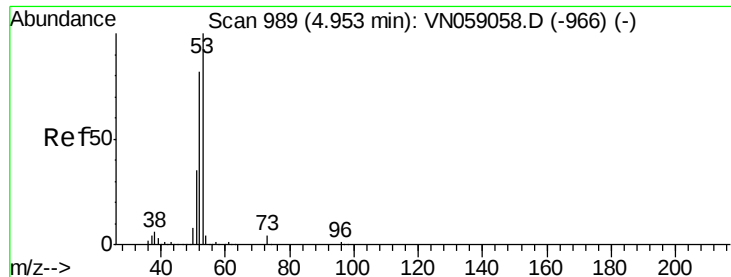
Ion Ratio Lower Upper

41 100

39 64.1 49.4 74.2

76 31.3 24.6 37.0





#15

Acrylonitrile

Concen: 77.484 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

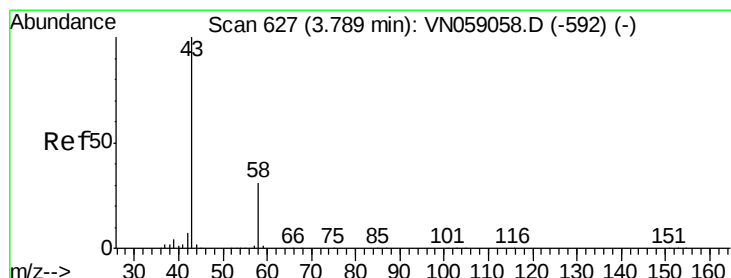
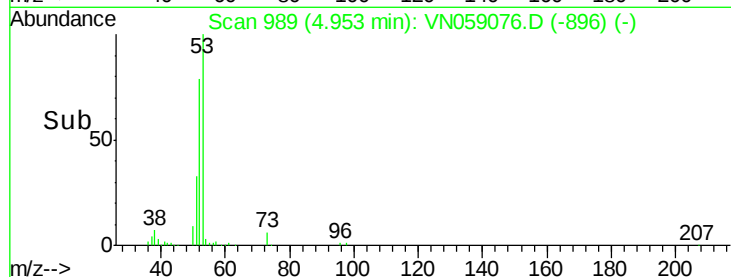
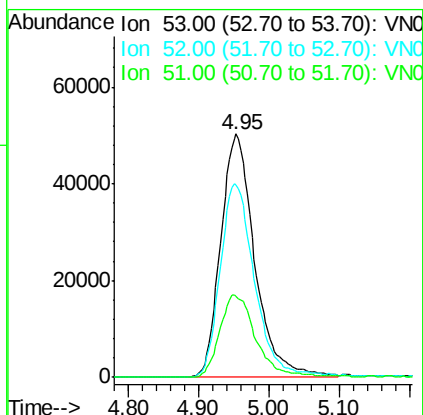
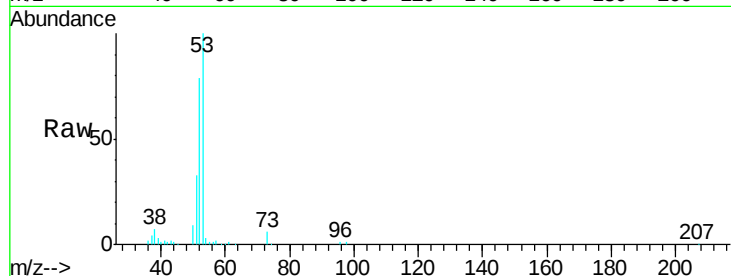
Tgt Ion: 53 Resp: 169759

Ion Ratio Lower Upper

53 100

52 80.4 66.0 99.0

51 35.3 28.3 42.5



#16

Acetone

Concen: 81.586 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059076.D

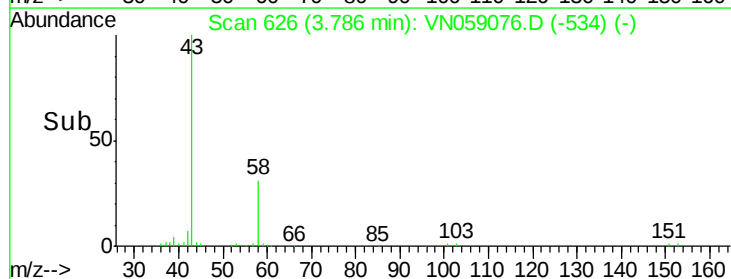
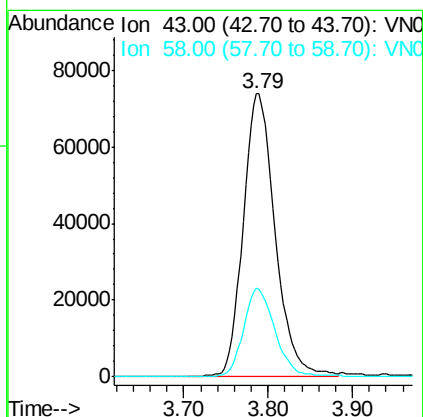
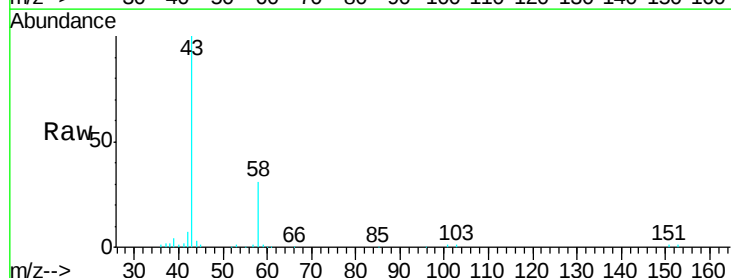
Acq: 4 Nov 2019 11:12

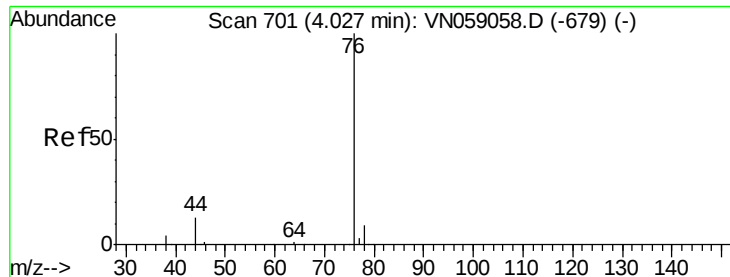
Tgt Ion: 43 Resp: 194912

Ion Ratio Lower Upper

43 100

58 31.3 25.0 37.6

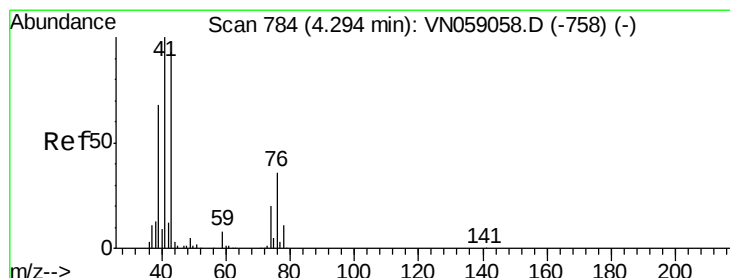
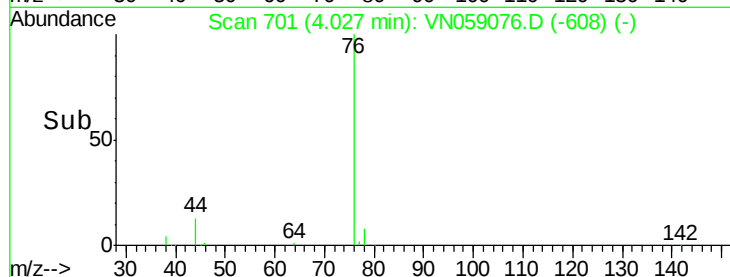
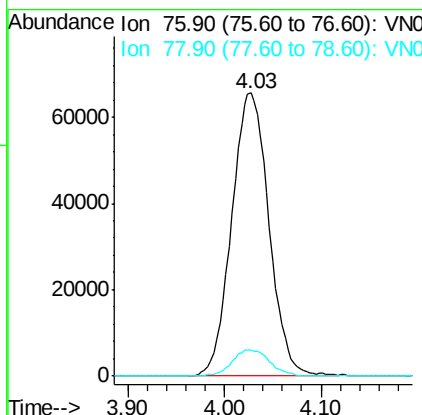
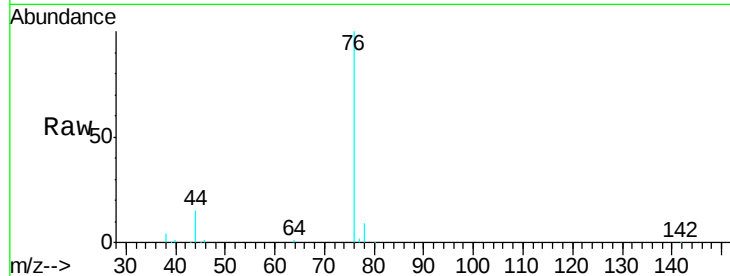




#17
Carbon Disulfide
Concen: 15.628 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

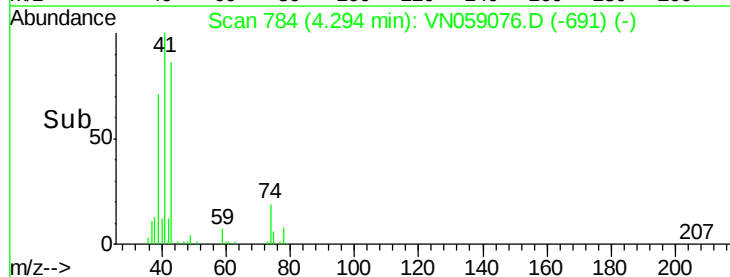
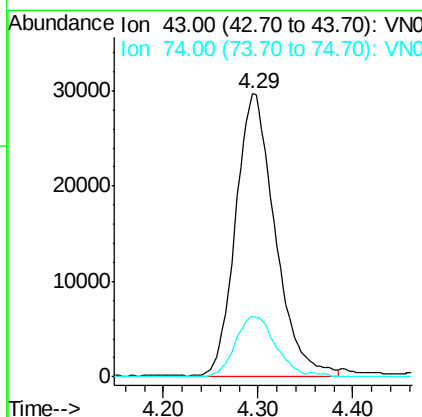
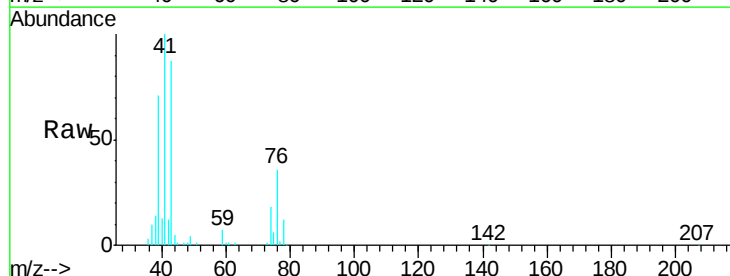
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

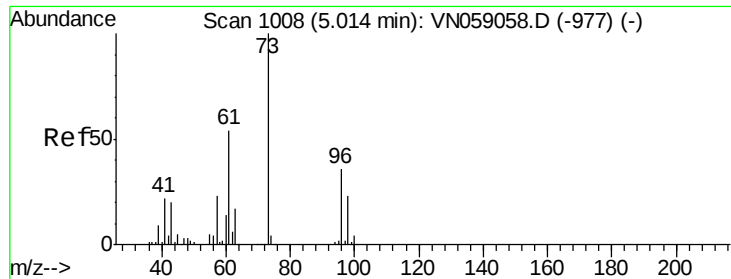
Tgt Ion: 76 Resp: 175487
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 14.312 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 43 Resp: 86622
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3

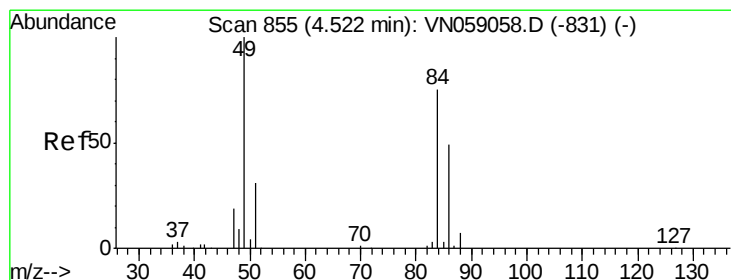
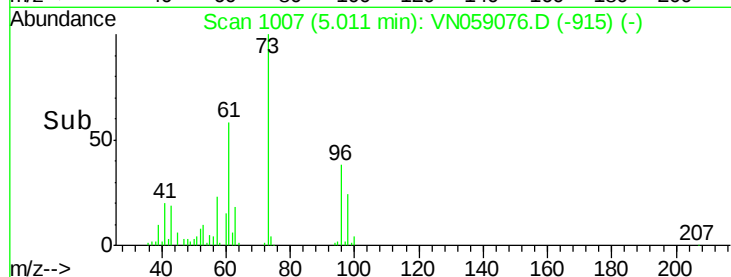
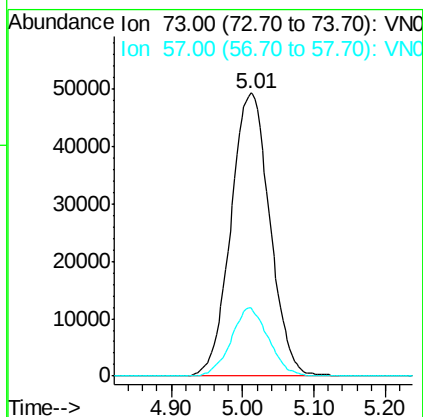
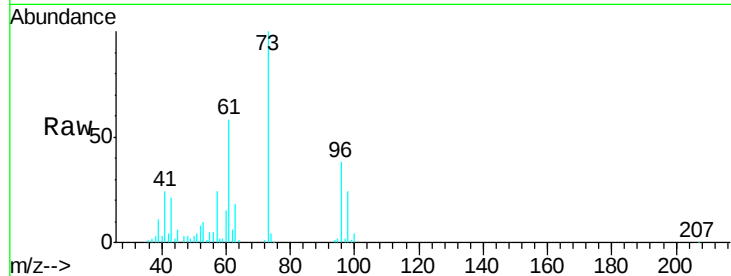




#19
Methyl tert-butyl Ether
Concen: 15.571 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

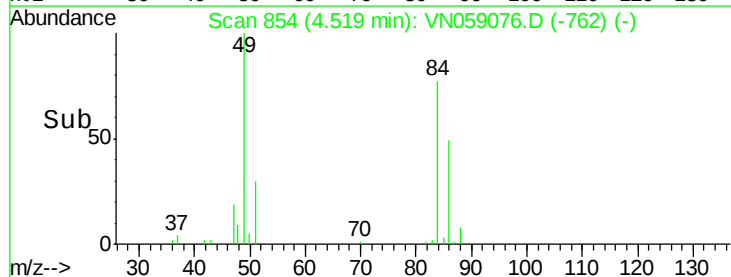
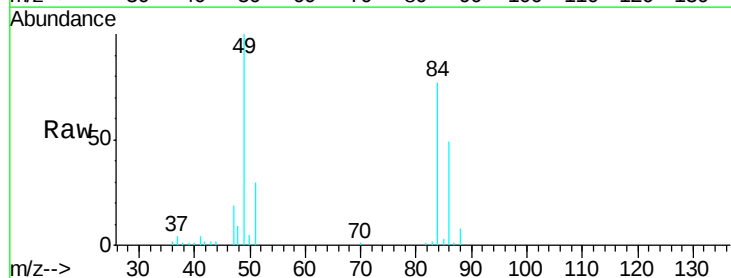
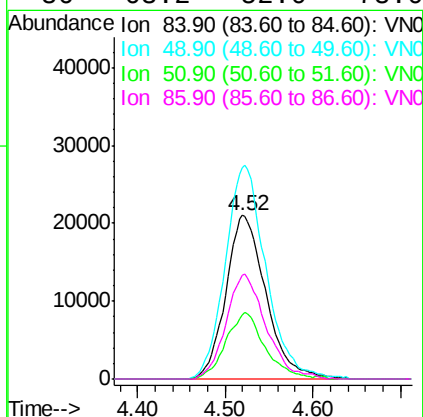
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

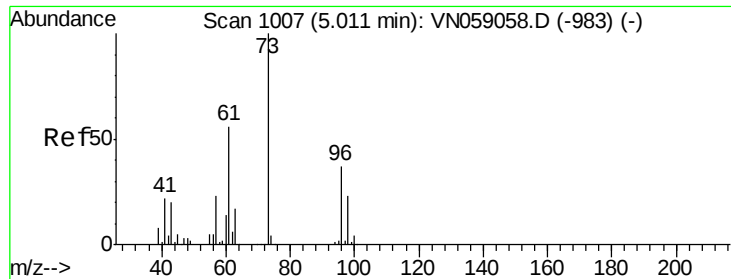
Tgt Ion: 73 Resp: 187311
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 16.021 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 84 Resp: 67005
Ion Ratio Lower Upper
84 100
49 129.1 106.4 159.6
51 39.2 33.0 49.4
86 63.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 15.902 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

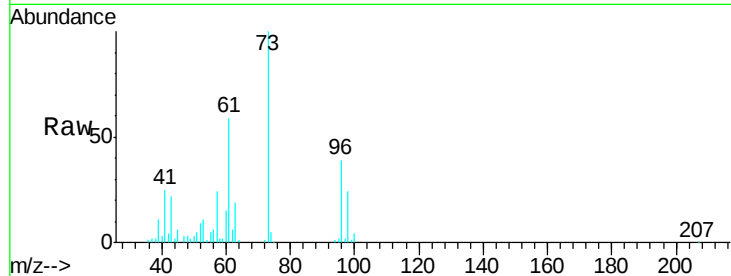
Tgt Ion: 96 Resp: 60295

Ion Ratio Lower Upper

96 100

61 153.0 121.7 182.5

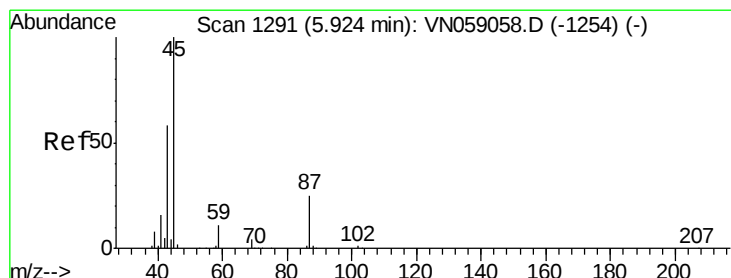
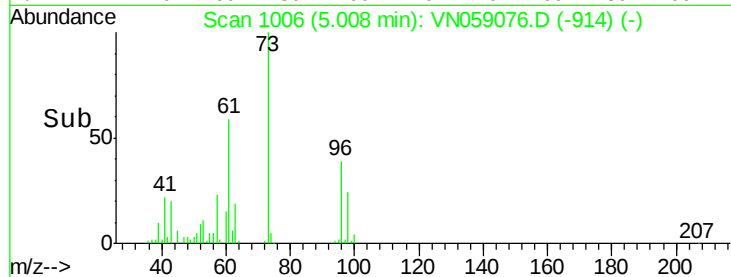
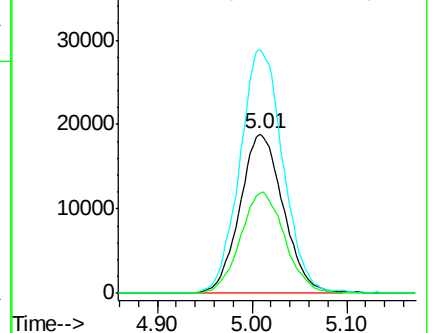
98 62.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN059076.D (-1198) (-)

Ion 60.90 (60.60 to 61.60): VN059076.D (-1198) (-)

Ion 97.90 (97.60 to 98.60): VN059076.D (-1198) (-)



#22

Diisopropyl ether

Concen: 16.107 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion: 45 Resp: 214713

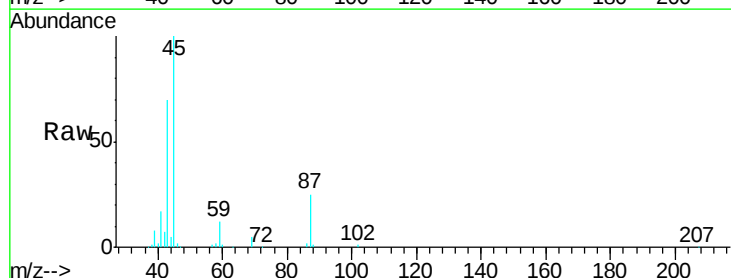
Ion Ratio Lower Upper

45 100

43 67.4 46.9 70.3

87 24.9 20.1 30.1

59 11.4 9.0 13.4

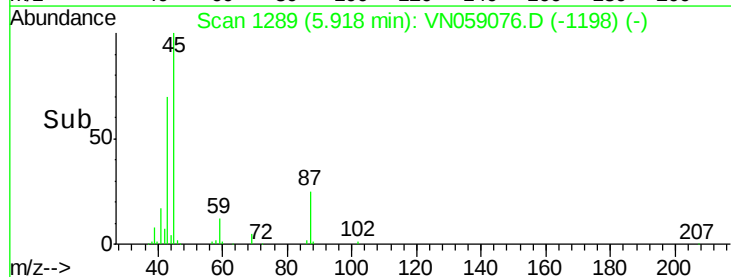
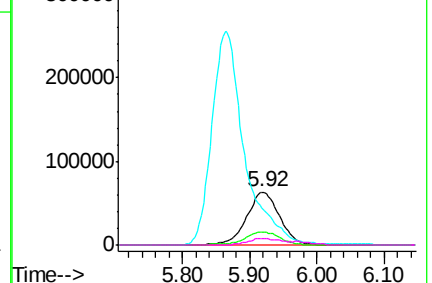


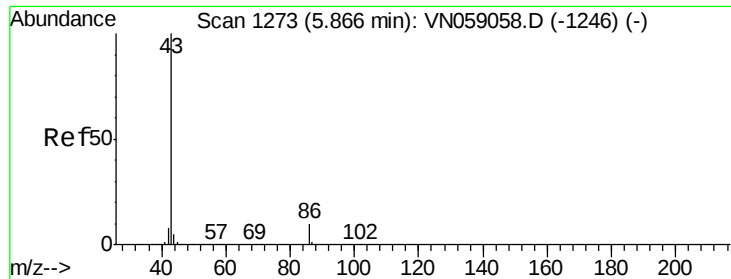
Abundance Ion 45.00 (44.70 to 45.70): VN059076.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059076.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059076.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059076.D (-1198) (-)

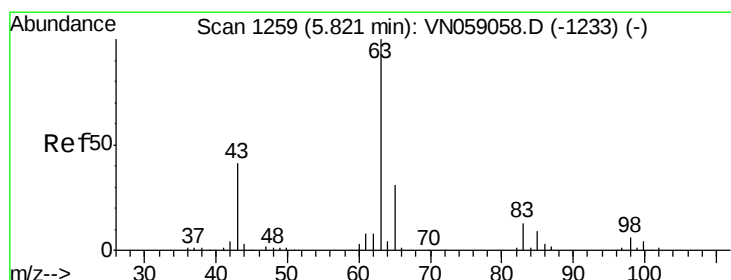
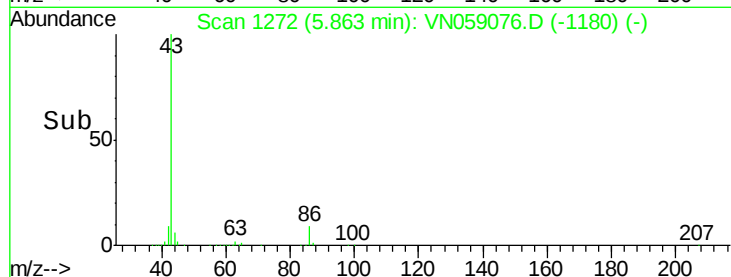
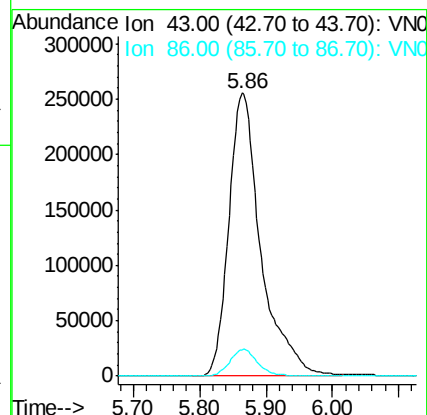
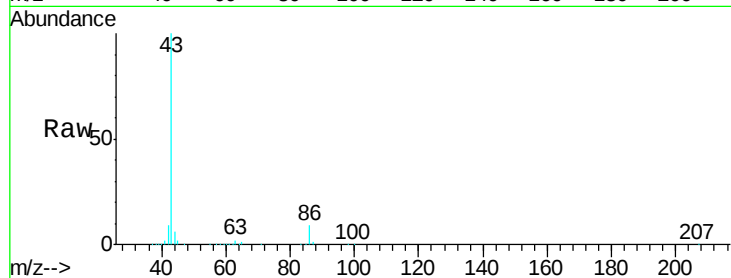




#23
 Vinyl Acetate
 Concen: 81.064 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

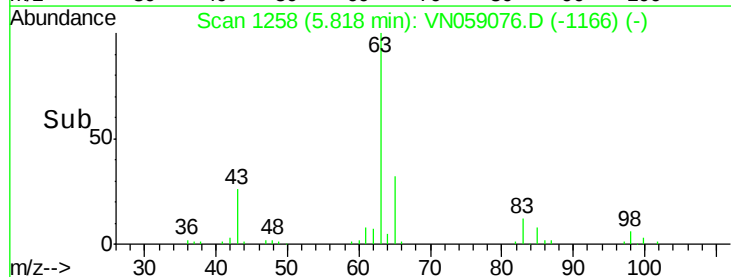
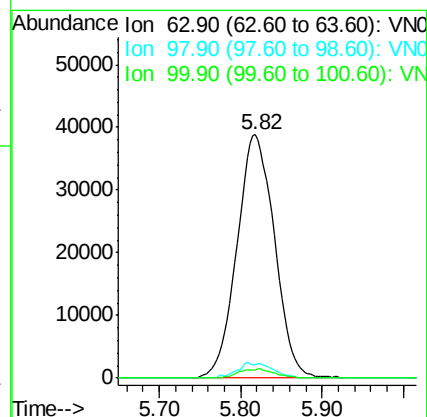
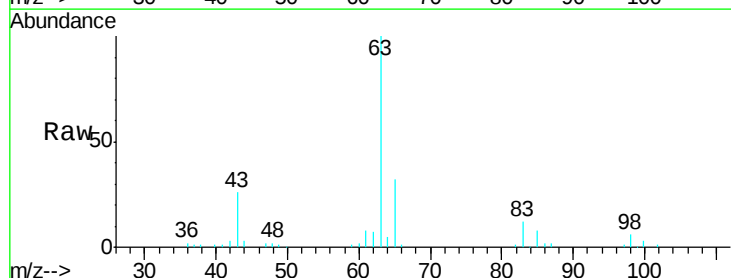
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

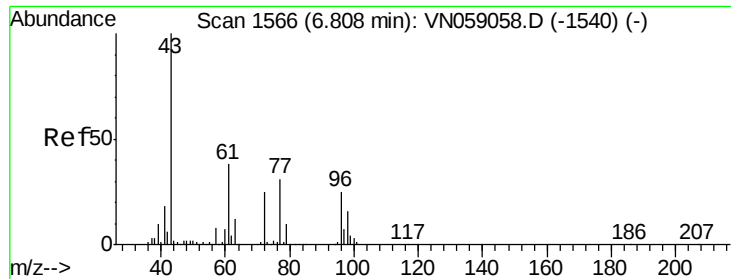
Tgt Ion: 43 Resp: 860712
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 16.301 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 63 Resp: 124238
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.2 9.6
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 75.470 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

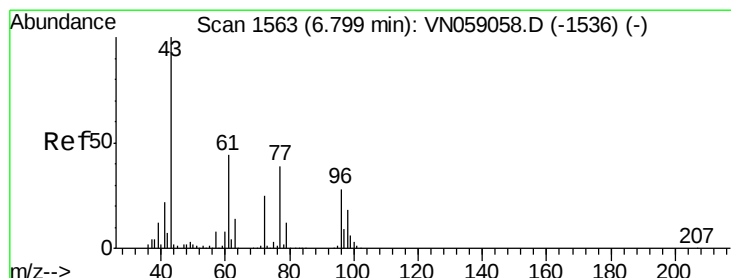
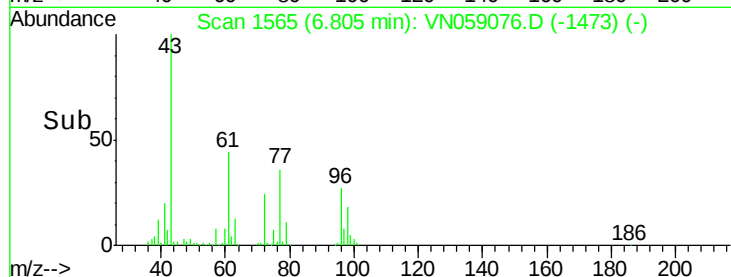
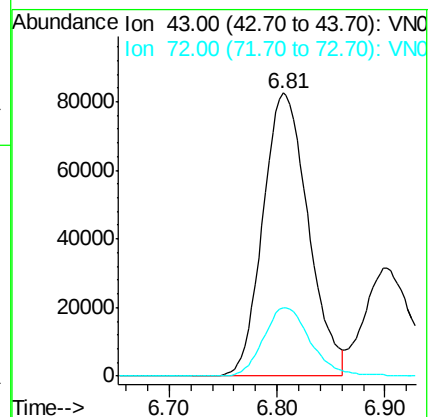
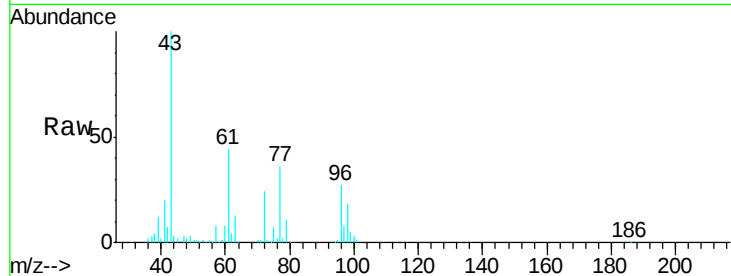
VN1104WBS01

Tgt Ion: 43 Resp: 240078

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 15.626 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059076.D

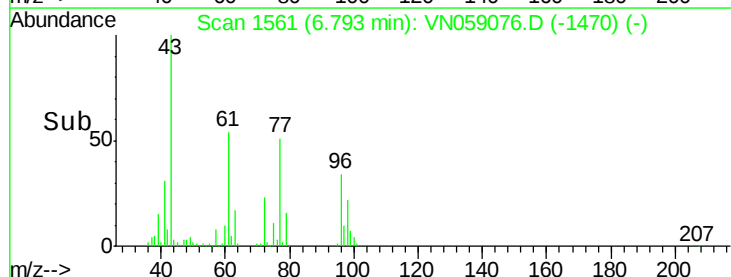
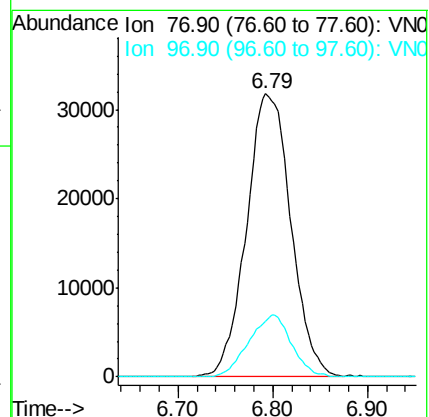
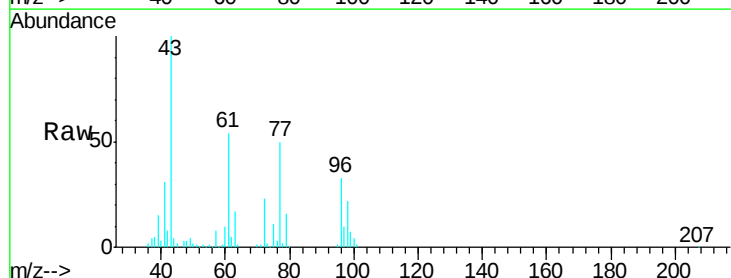
Acq: 4 Nov 2019 11:12

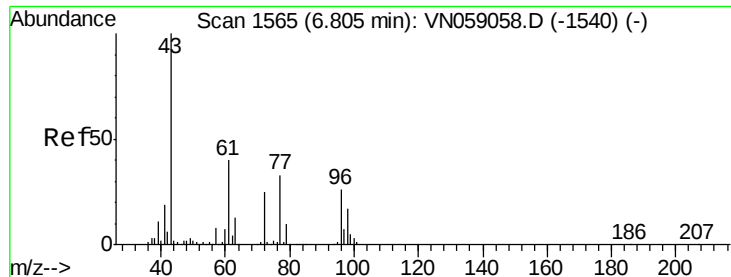
Tgt Ion: 77 Resp: 103372

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 16.129 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

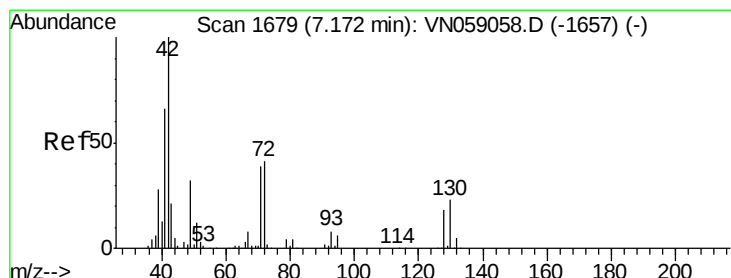
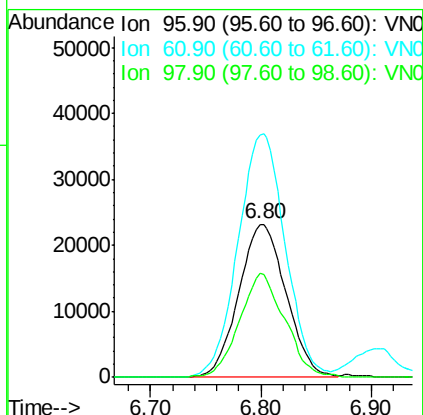
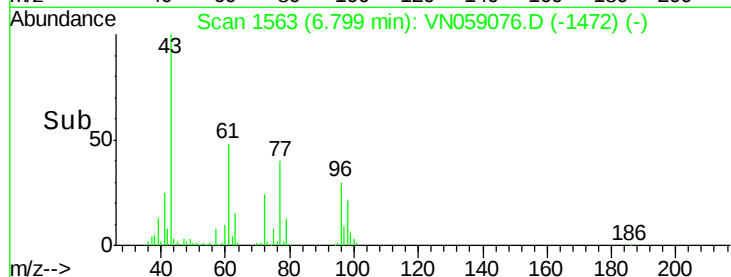
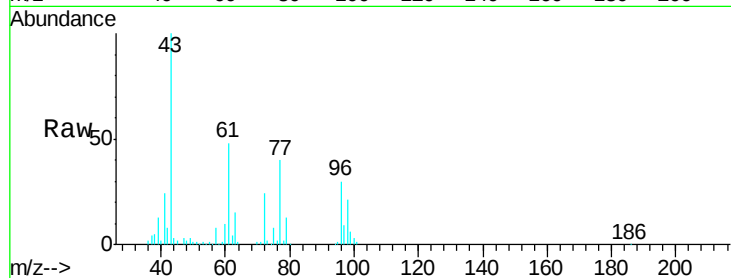
Tgt Ion: 96 Resp: 68861

Ion Ratio Lower Upper

96 100

61 158.9 0.0 316.4

98 65.1 0.0 128.2



#28

Bromochloromethane

Concen: 8.428 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

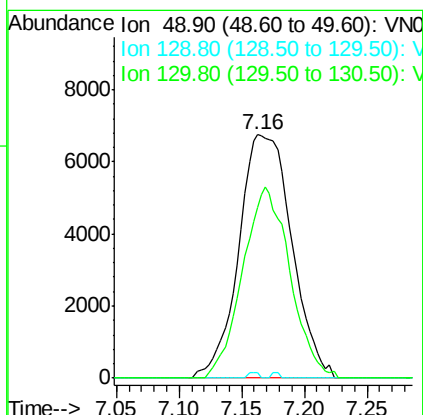
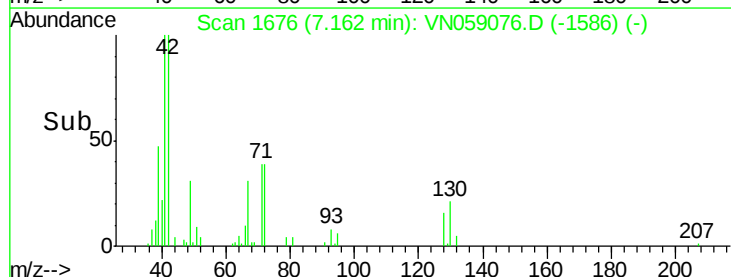
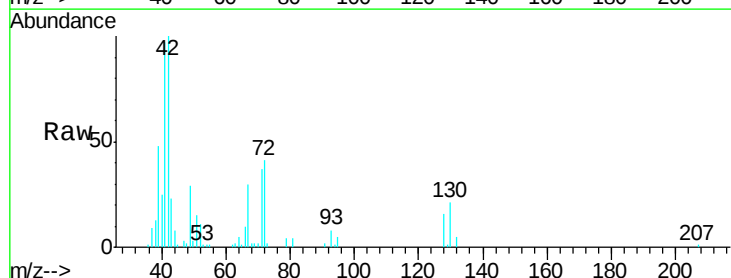
Tgt Ion: 49 Resp: 19825

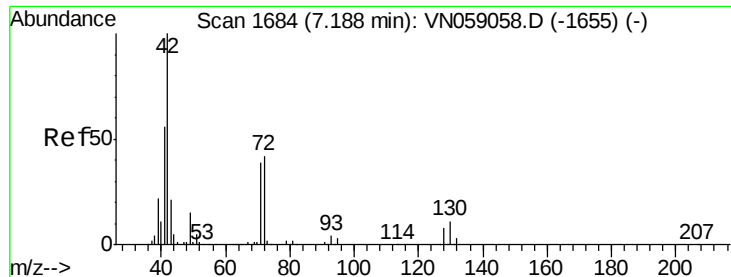
Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.4

130 0.0 55.0 82.6#

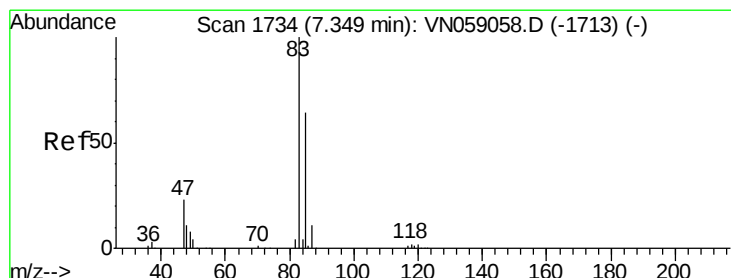
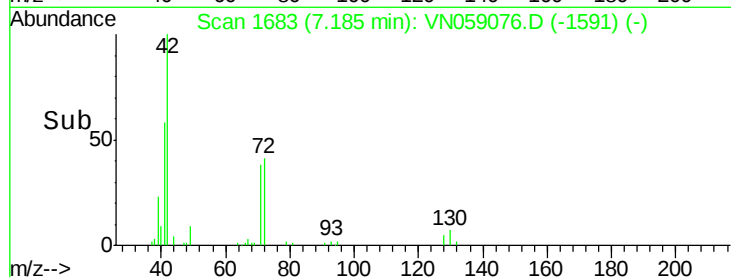
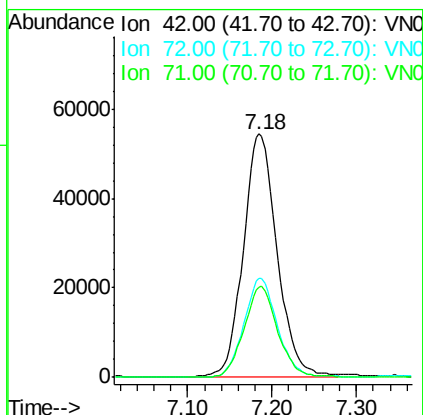
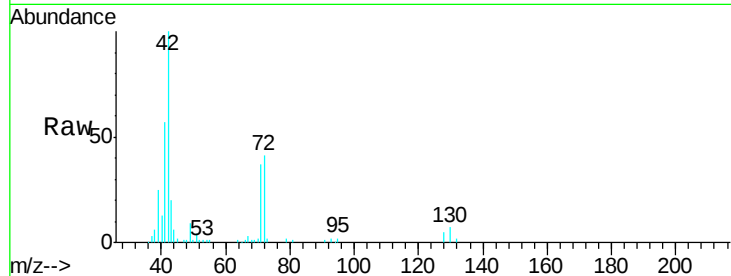




#29
Tetrahydrofuran
Concen: 75.702 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

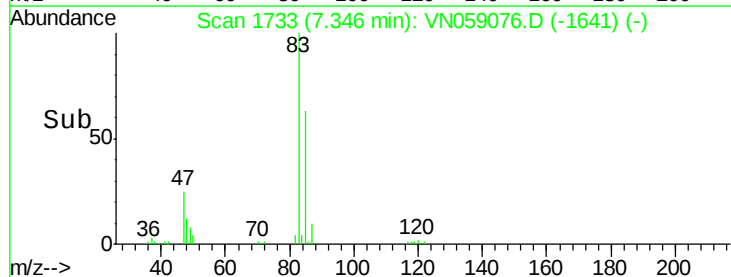
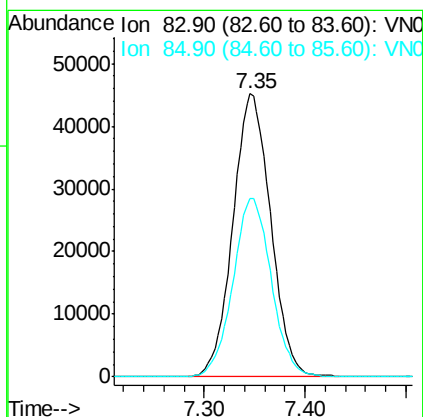
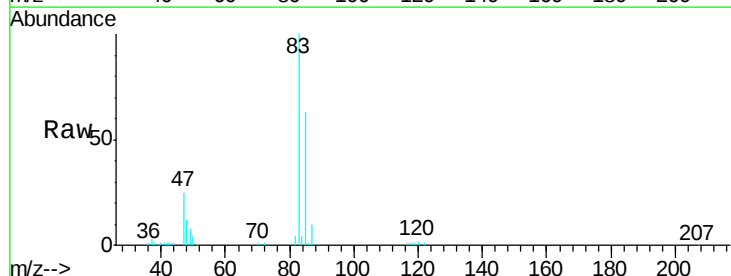
Instrument :
MSVOA_N
ClientSampled :
VN1104WBS01

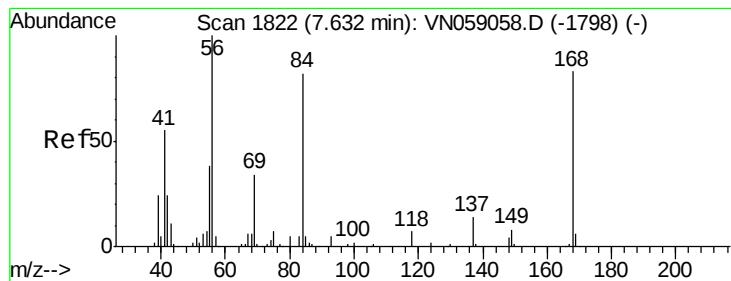
Tgt Ion: 42 Resp: 151981
Ion Ratio Lower Upper
42 100
72 40.4 32.7 49.1
71 36.8 31.2 46.8



#30
Chloroform
Concen: 16.070 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 83 Resp: 117118
Ion Ratio Lower Upper
83 100
85 63.0 50.9 76.3





#31

Cyclohexane

Concen: 15.104 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

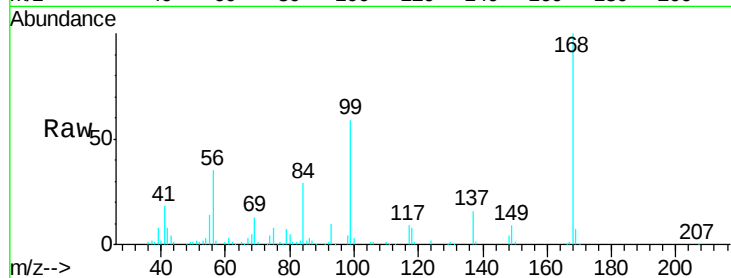
Tgt Ion: 56 Resp: 109798

Ion Ratio Lower Upper

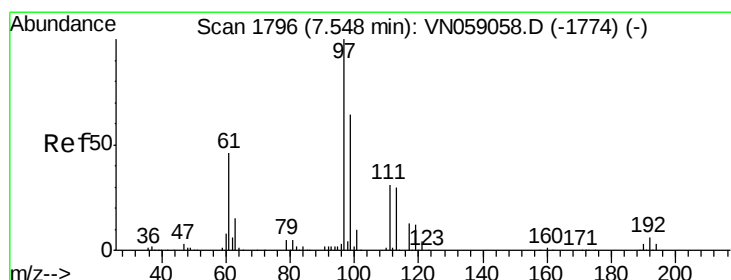
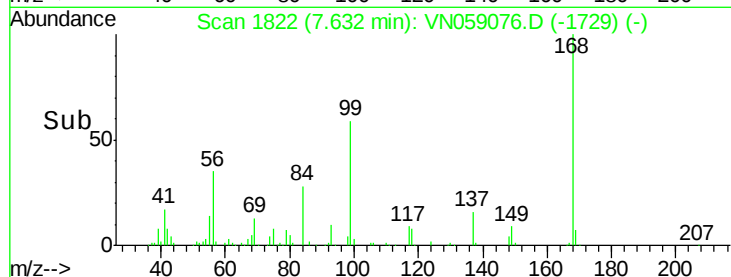
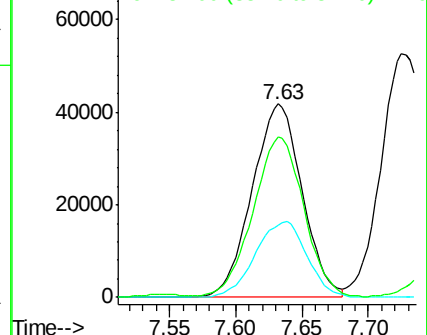
56 100

69 37.5 27.2 40.8

84 82.1 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 15.900 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

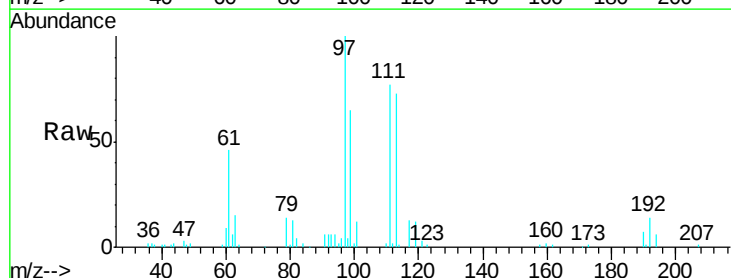
Tgt Ion: 97 Resp: 98041

Ion Ratio Lower Upper

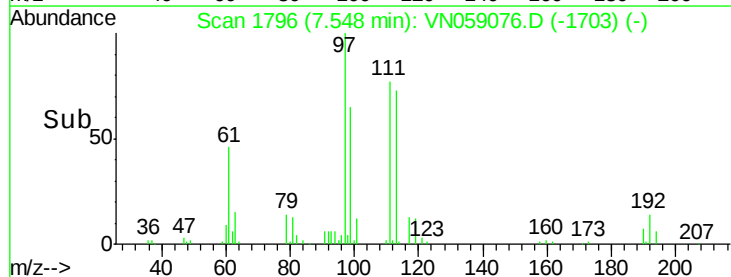
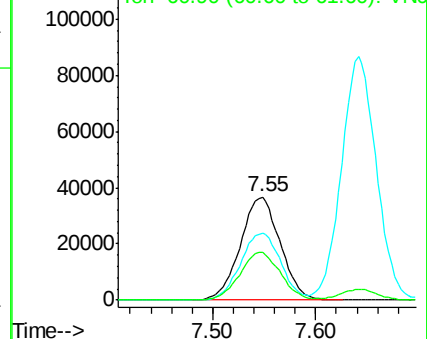
97 100

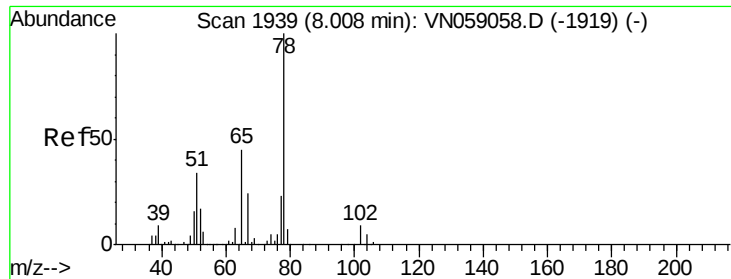
99 65.9 50.7 76.1

61 47.5 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

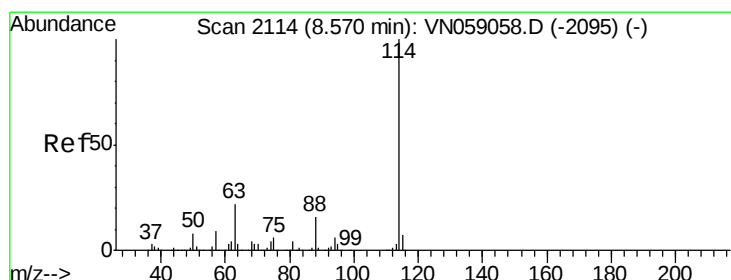
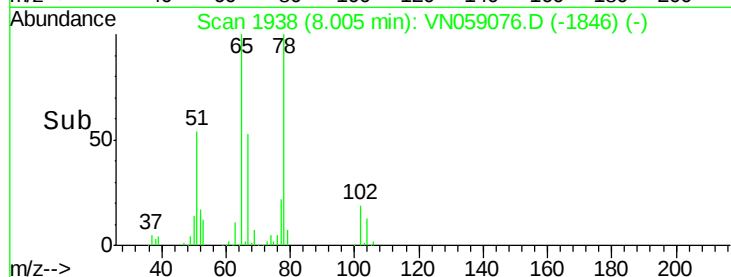
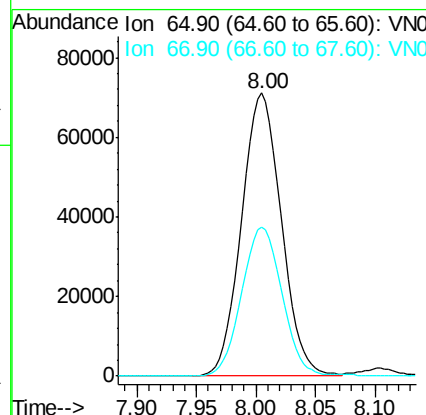
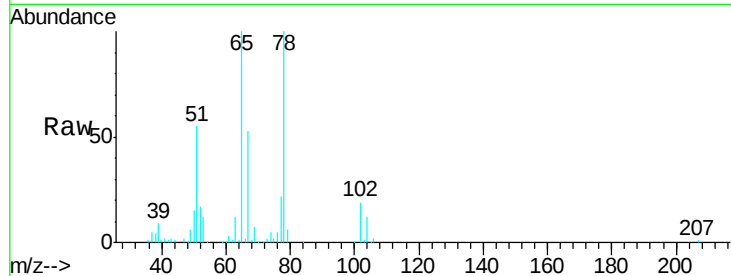




#33
 1,2-Dichloroethane-d4
 Concen: 35.002 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

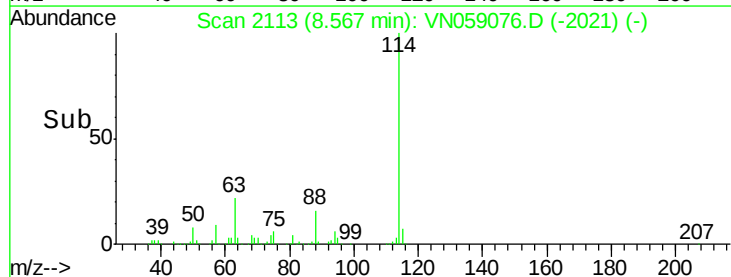
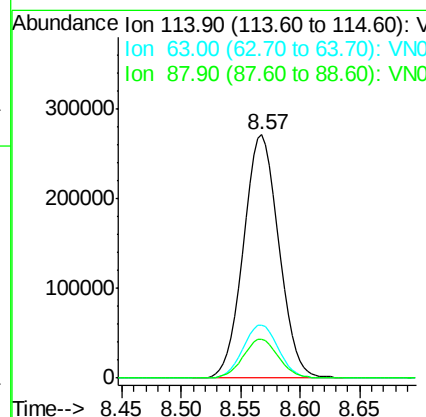
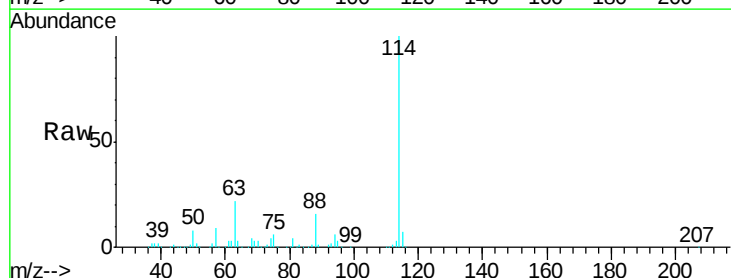
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

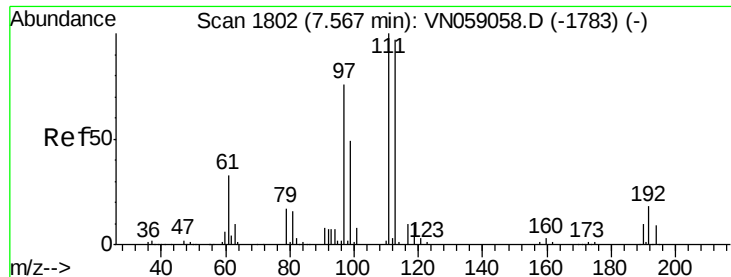
Tgt Ion: 65 Resp: 165173
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 114 Resp: 559877
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 16.2 0.0 33.0

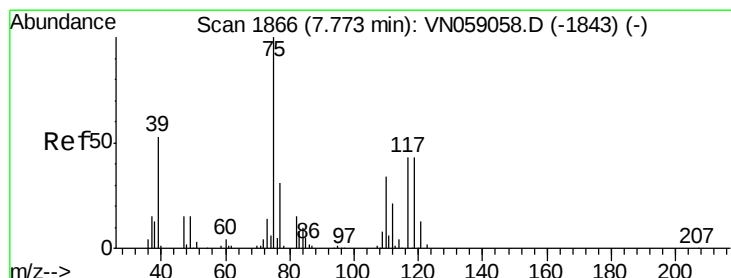
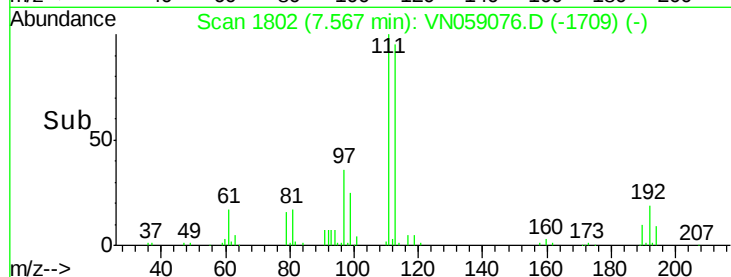
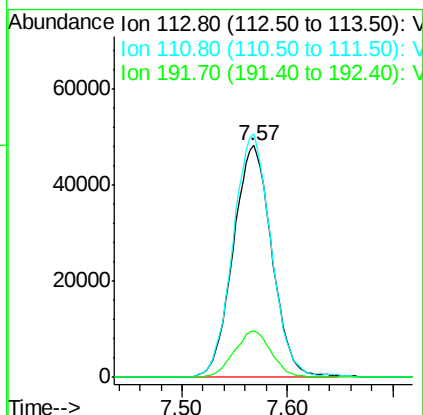
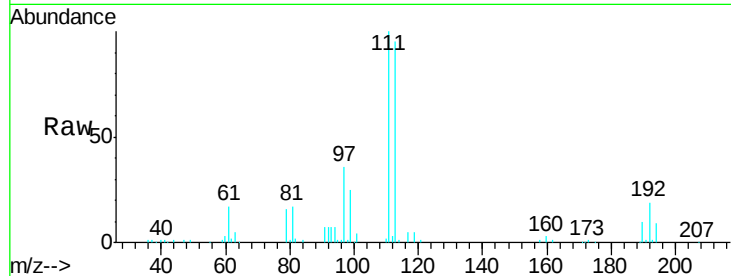




#35
 Dibromofluoromethane
 Concen: 33.935 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

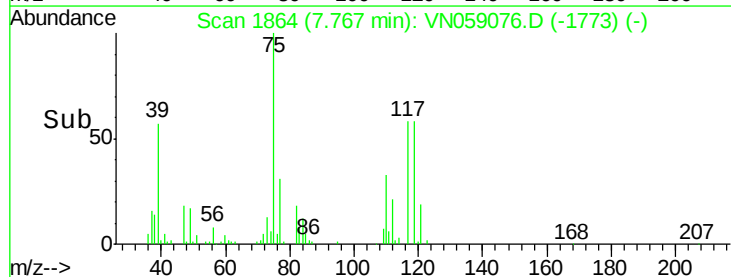
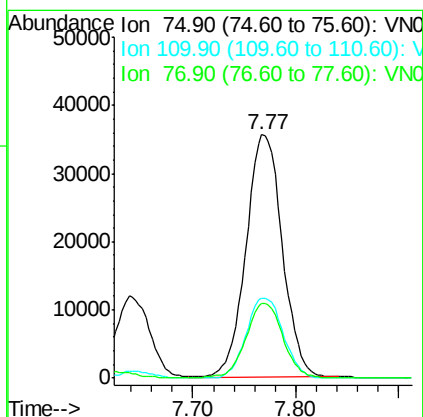
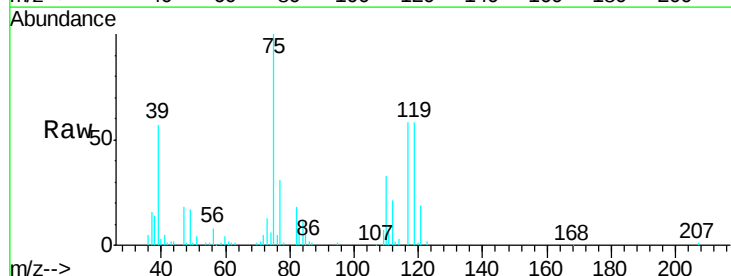
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

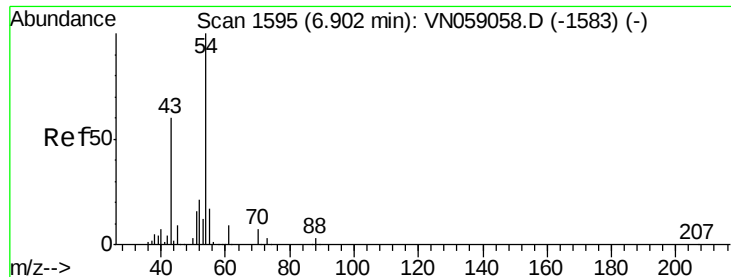
Tgt Ion: 113 Resp: 122568
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 19.2 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 15.615 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 75 Resp: 86890
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.6
 77 31.5 25.0 37.4

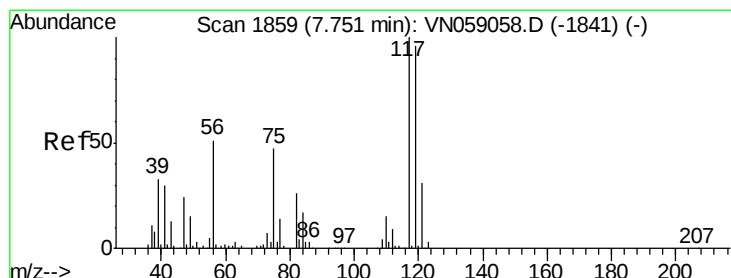
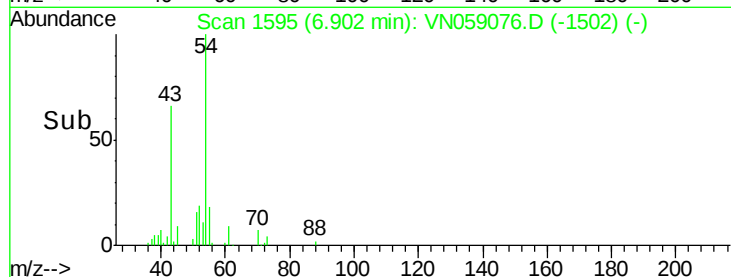
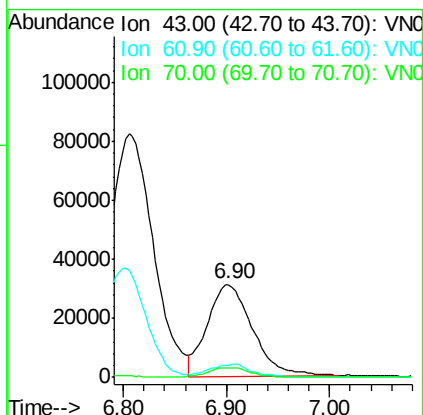
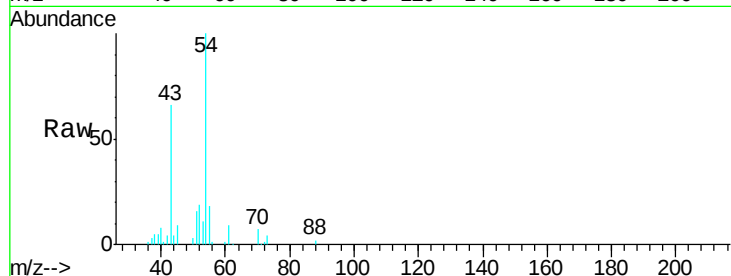




#37
 Ethyl Acetate
 Concen: 15.265 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

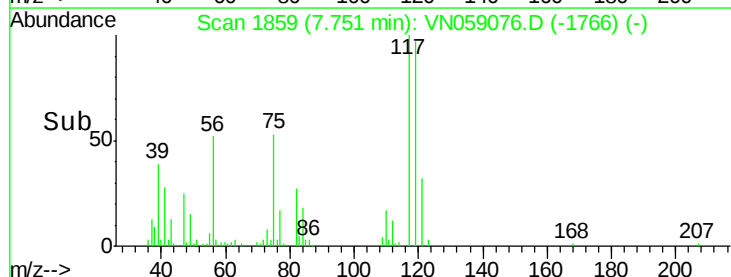
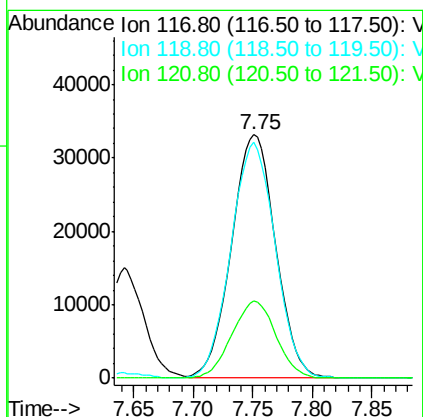
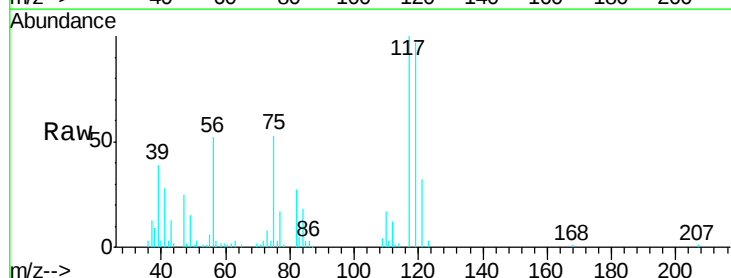
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS01

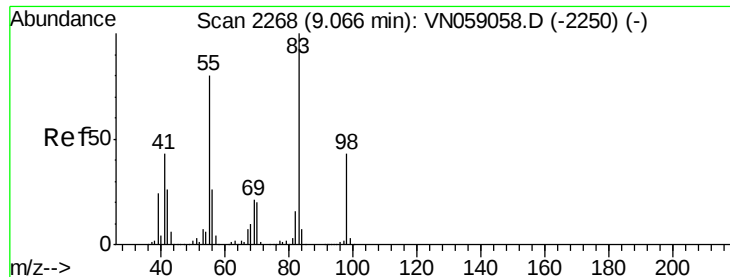
Tgt Ion: 43 Resp: 94379
 Ion Ratio Lower Upper
 43 100
 61 12.7 11.2 16.8
 70 9.9 8.0 12.0



#38
 Carbon Tetrachloride
 Concen: 15.687 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 117 Resp: 85069
 Ion Ratio Lower Upper
 117 100
 119 97.2 76.6 114.8
 121 31.7 24.6 37.0

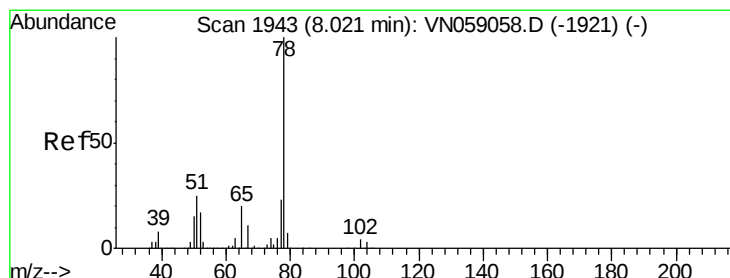
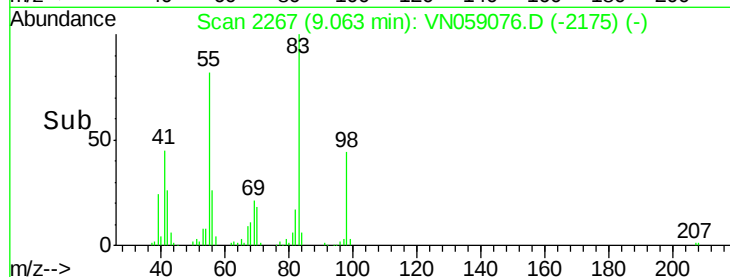
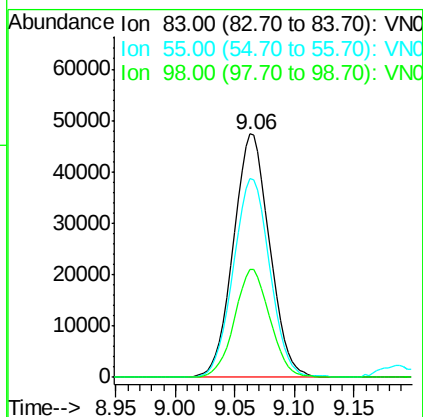
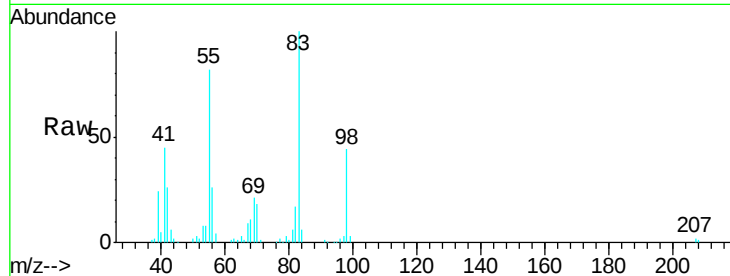




#39
Methylcyclohexane
Concen: 15.552 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

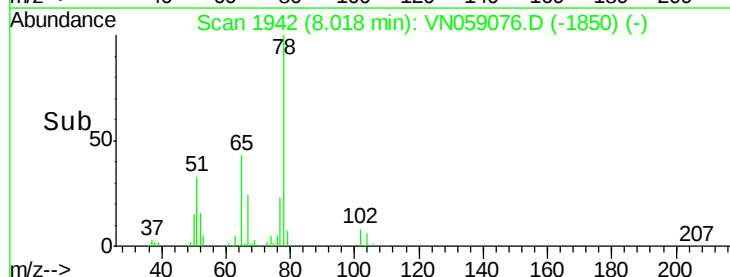
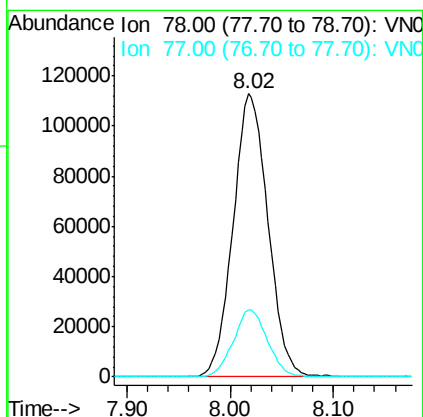
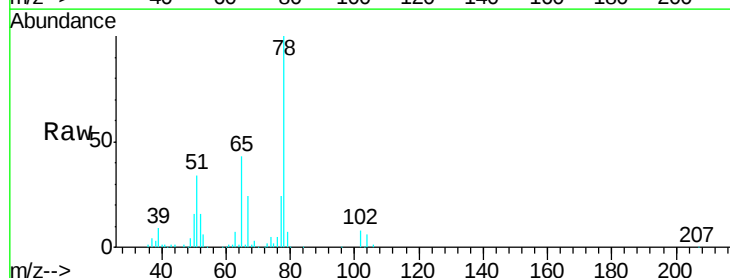
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

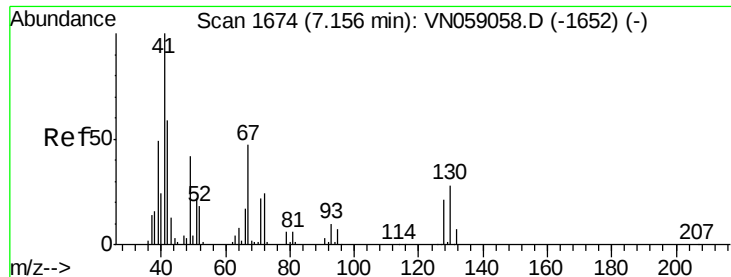
Tgt Ion: 83 Resp: 100026
Ion Ratio Lower Upper
83 100
55 81.6 64.1 96.1
98 44.2 34.3 51.5



#40
Benzene
Concen: 16.086 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 78 Resp: 265638
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

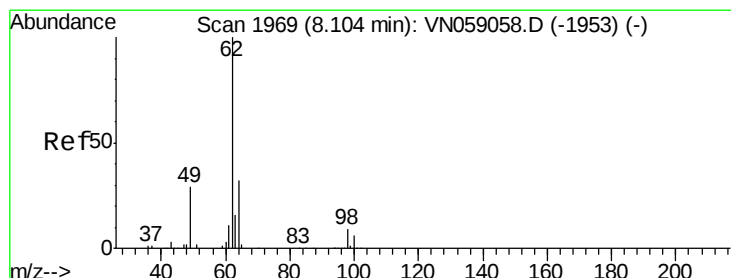
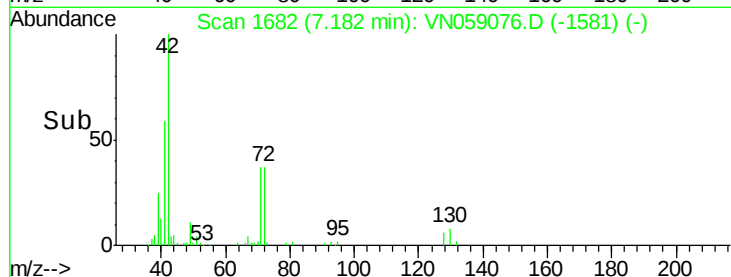
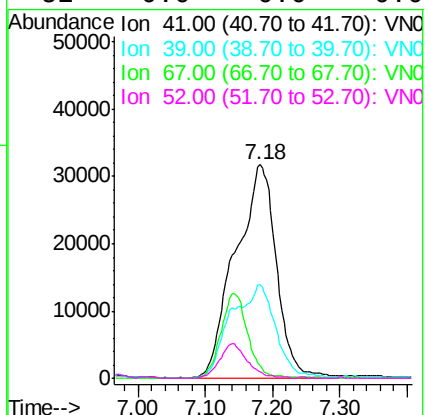
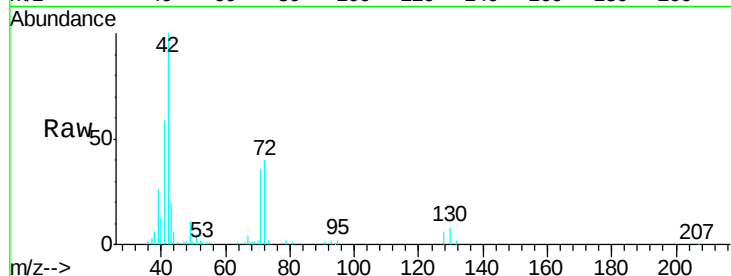




#41
Methacrylonitrile
Concen: 50.535 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

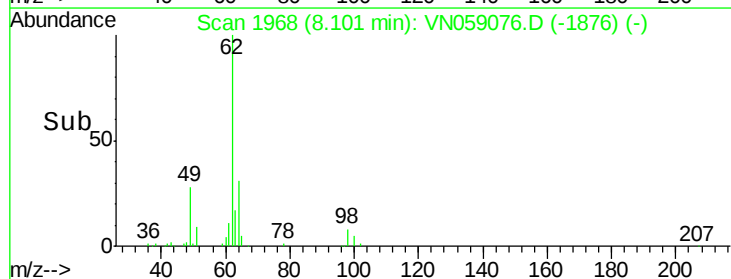
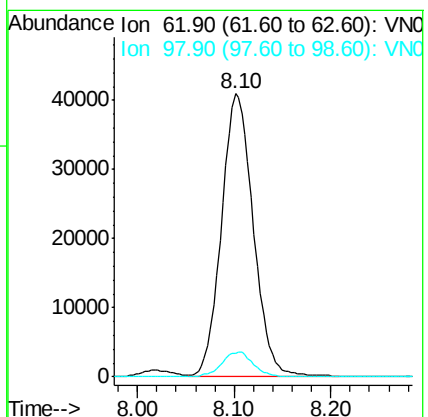
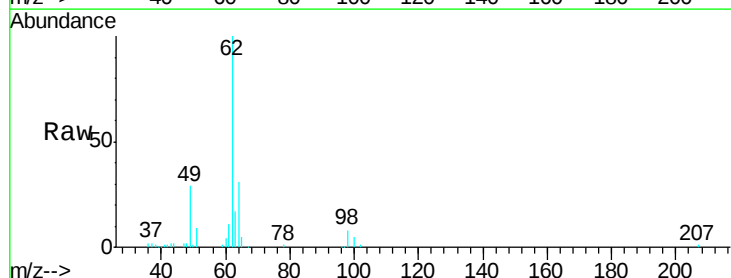
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

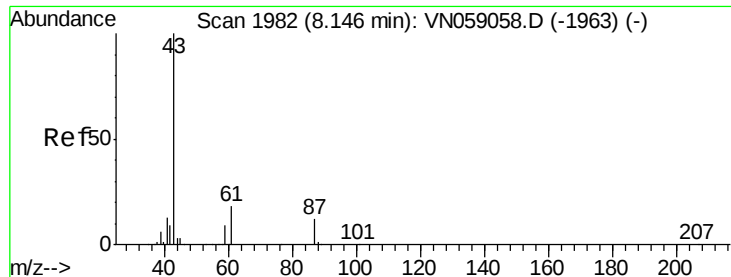
Tgt Ion:	41	Resp:	135105
Ion	Ratio	Lower	Upper
41	100		
39	47.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 16.361 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion:	62	Resp:	93830
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.0





#43

Isopropyl Acetate

Concen: 14.950 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

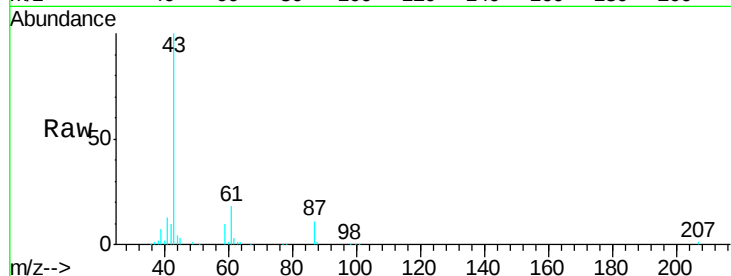
Tgt Ion: 43 Resp: 144545

Ion Ratio Lower Upper

43 100

61 26.0 20.5 30.7

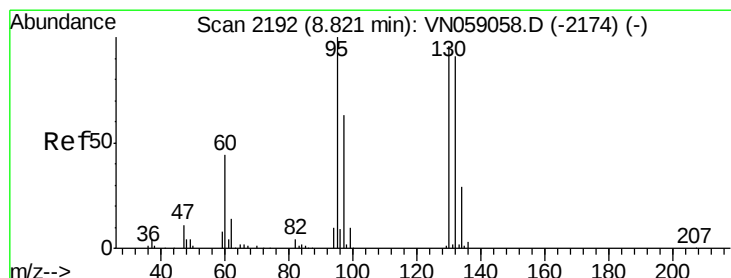
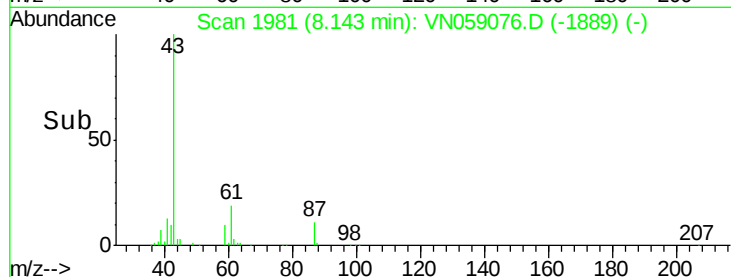
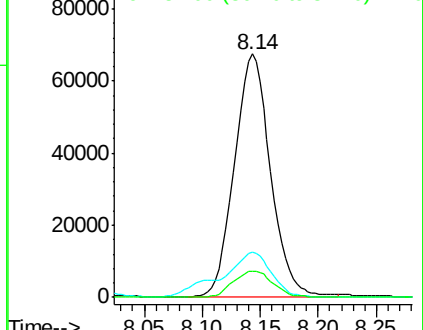
87 11.9 9.8 14.8



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: 15.607 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059076.D

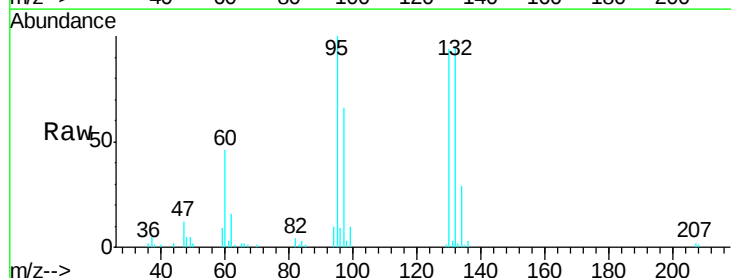
Acq: 4 Nov 2019 11:12

Tgt Ion: 130 Resp: 63411

Ion Ratio Lower Upper

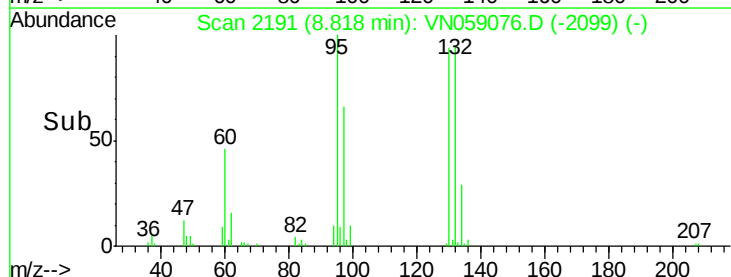
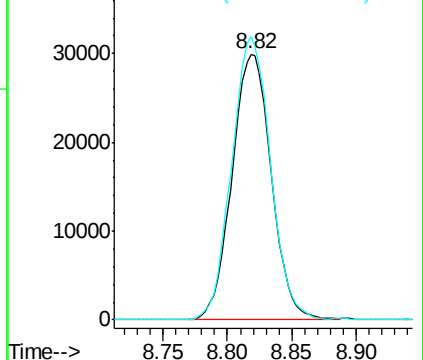
130 100

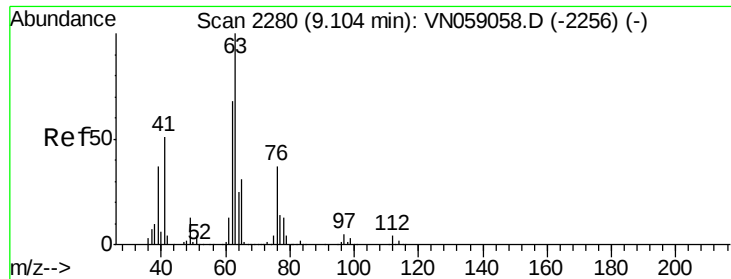
95 106.4 0.0 207.6



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: 16.142 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

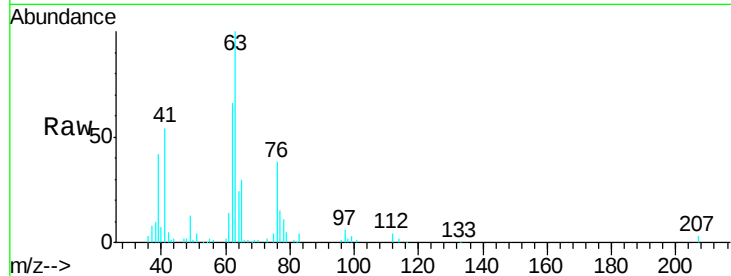
VN1104WBS01

Tgt Ion: 63 Resp: 72090

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

9.10

40000

30000

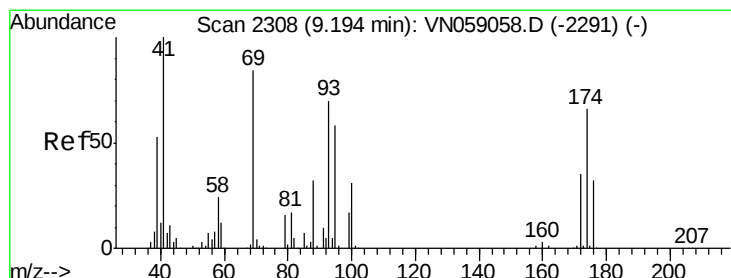
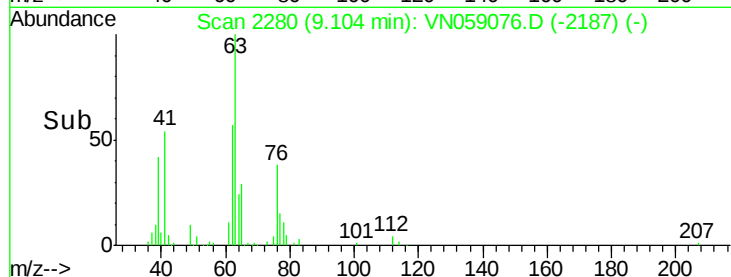
20000

10000

0

9.00 9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 15.929 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

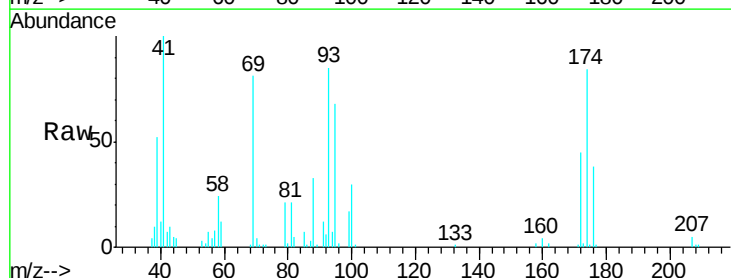
Tgt Ion: 93 Resp: 43969

Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 97.7 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN059058.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059058.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059058.D (-2291) (-)

9.19

30000

25000

20000

15000

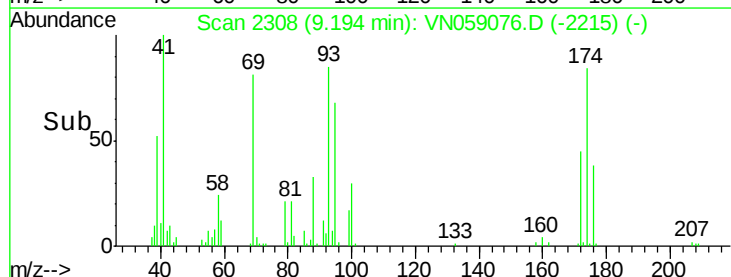
10000

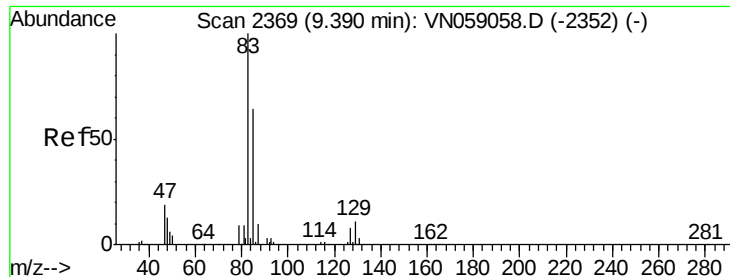
5000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 15.780 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

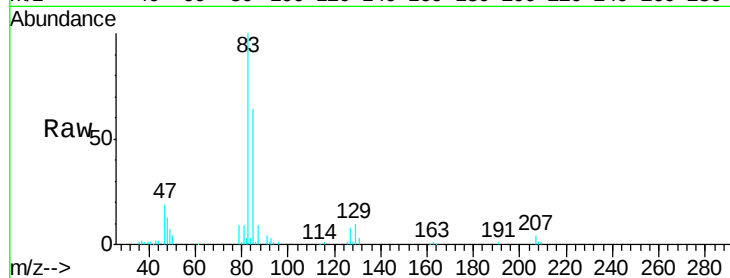
Tgt Ion: 83 Resp: 88211

Ion Ratio Lower Upper

83 100

85 63.9 51.2 76.8

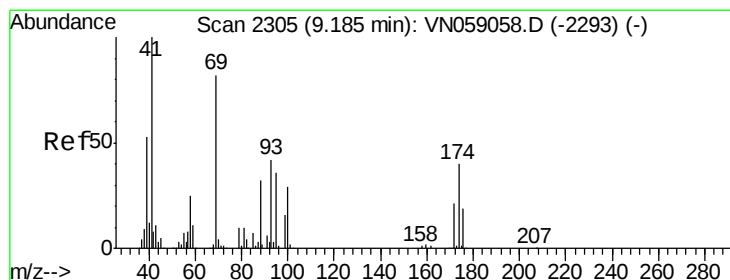
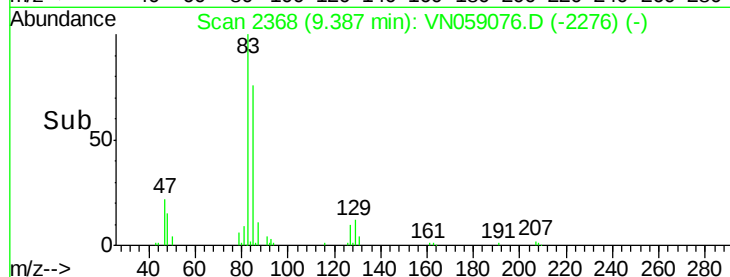
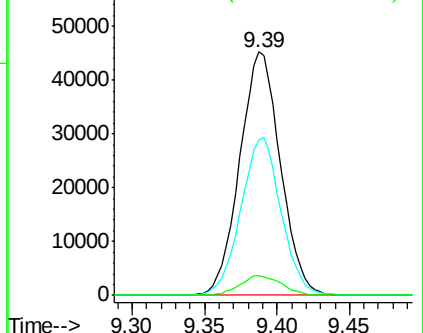
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059076.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059076.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059076.D (-2276) (-)



#48

Methyl methacrylate

Concen: 14.819 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

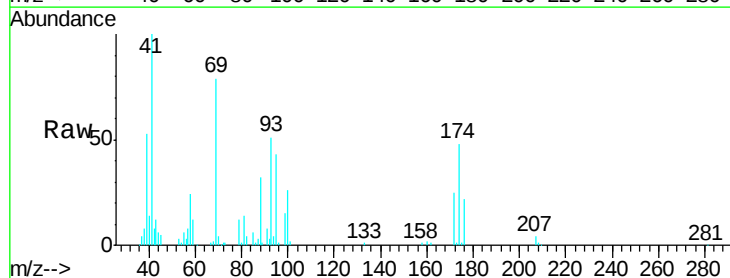
Tgt Ion: 41 Resp: 65328

Ion Ratio Lower Upper

41 100

69 79.7 67.1 100.7

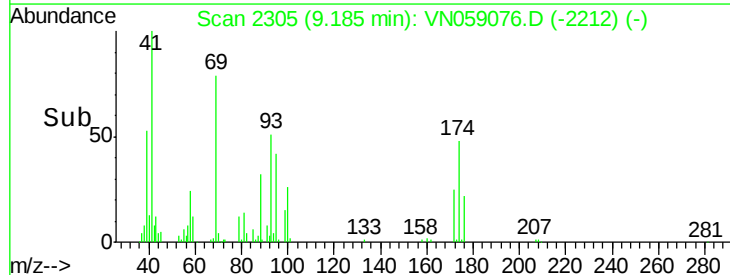
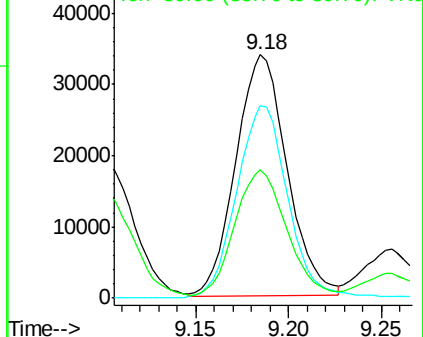
39 52.9 43.3 64.9

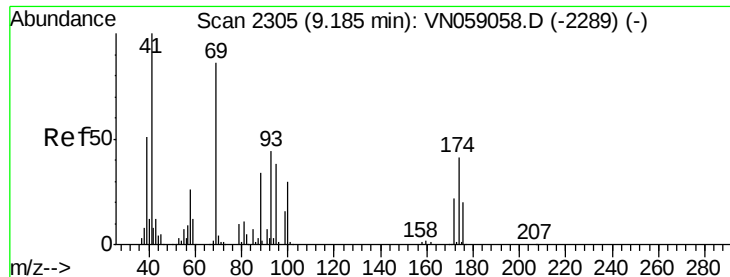


Abundance Ion 41.00 (40.70 to 41.70): VN059076.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059076.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059076.D (-2212) (-)





#49

1,4-Dioxane

Concen: 324.586 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

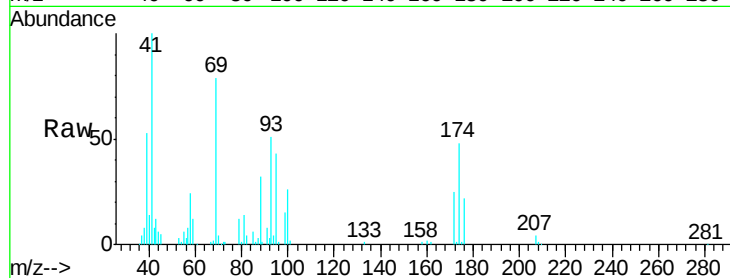
Tgt Ion: 88 Resp: 23342

Ion Ratio Lower Upper

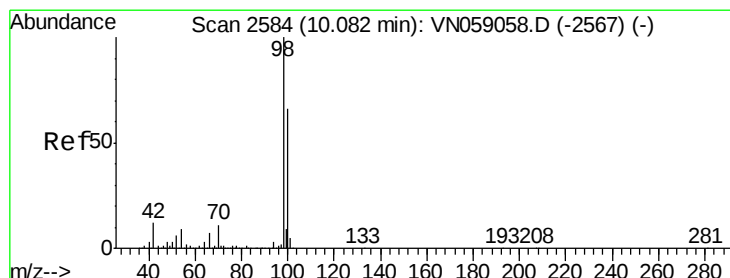
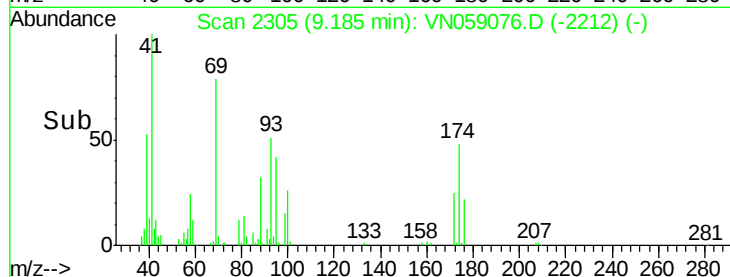
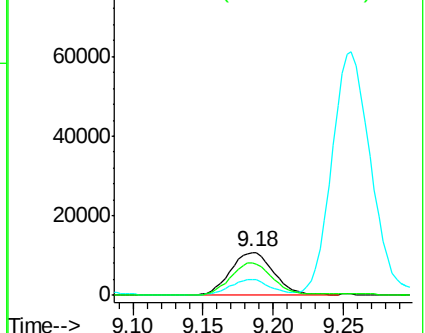
88 100

43 35.1 26.2 39.2

58 72.8 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: 34.117 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059076.D

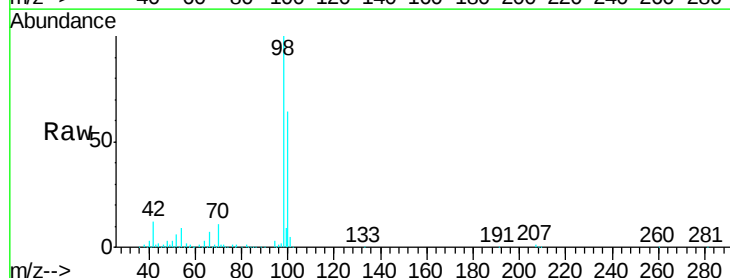
Acq: 4 Nov 2019 11:12

Tgt Ion: 98 Resp: 479764

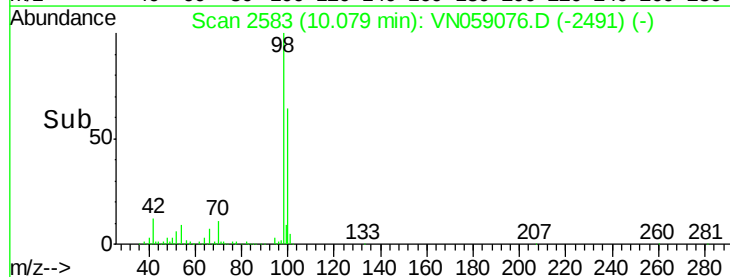
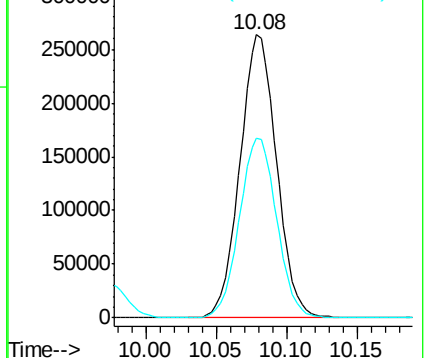
Ion Ratio Lower Upper

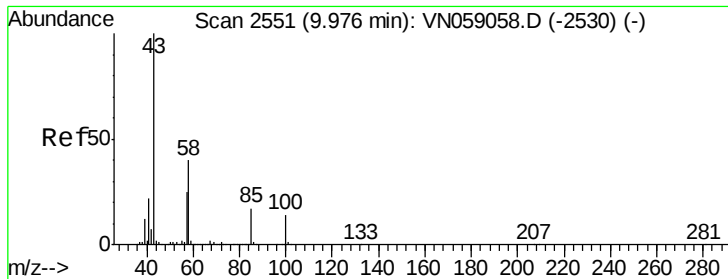
98 100

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

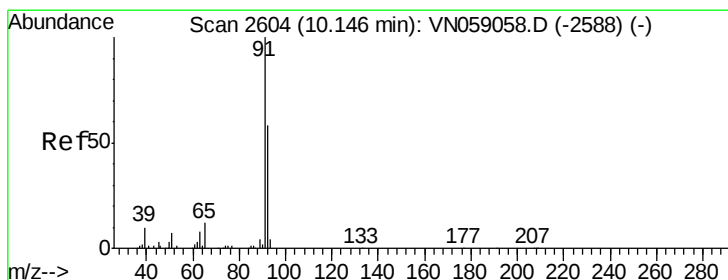
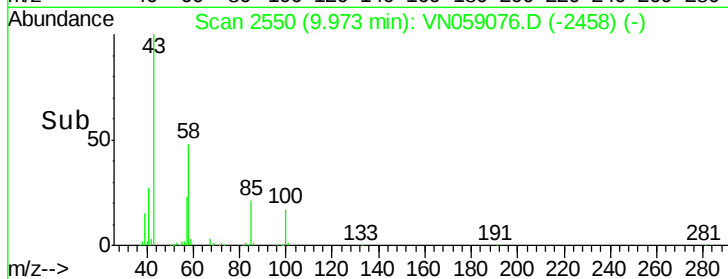
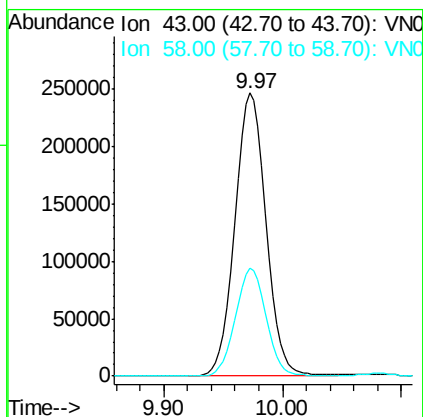
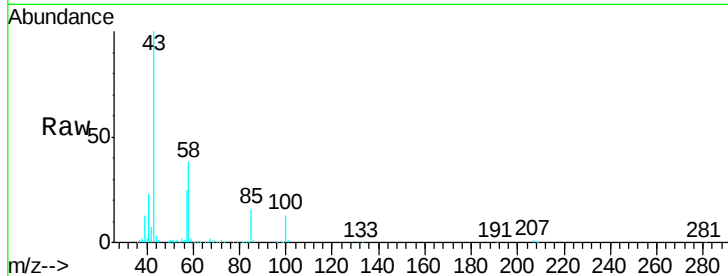




#51
 4-Methyl-2-Pentanone
 Concen: 79.576 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

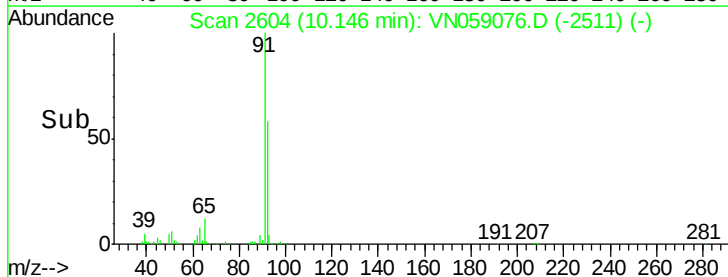
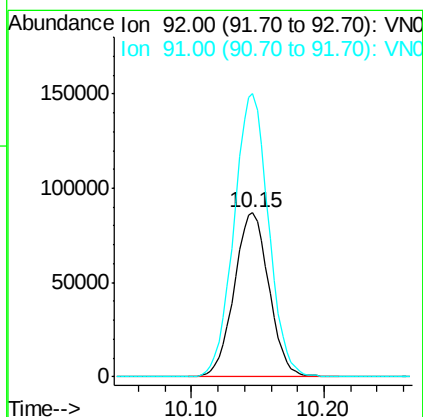
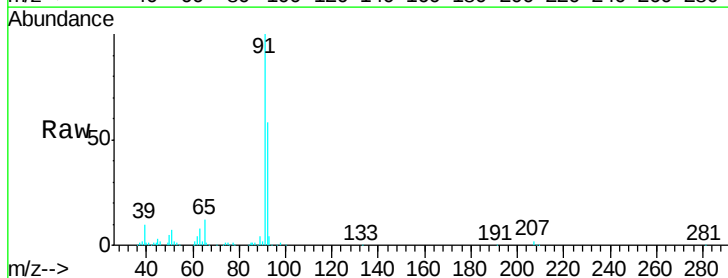
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS01

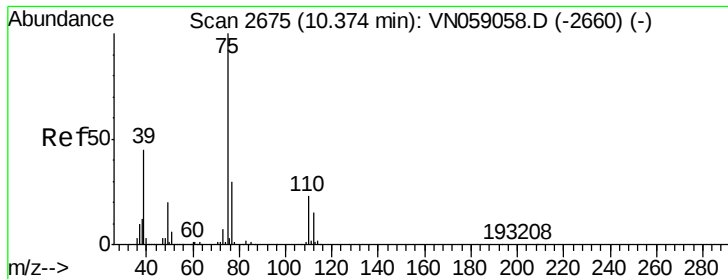
Tgt Ion: 43 Resp: 446953
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.8 47.6



#52
 Toluene
 Concen: 16.361 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion: 92 Resp: 158308
 Ion Ratio Lower Upper
 92 100
 91 172.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 15.376 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

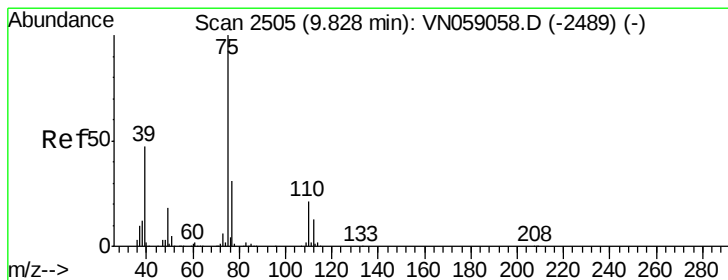
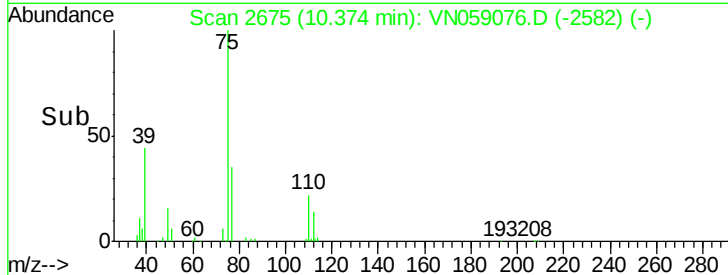
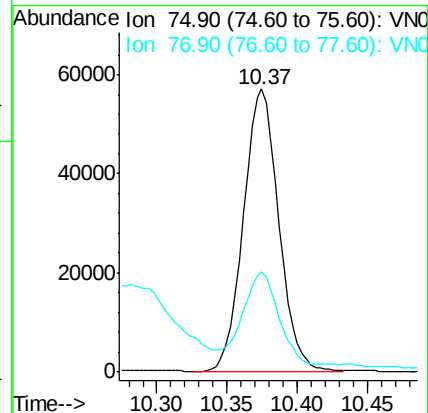
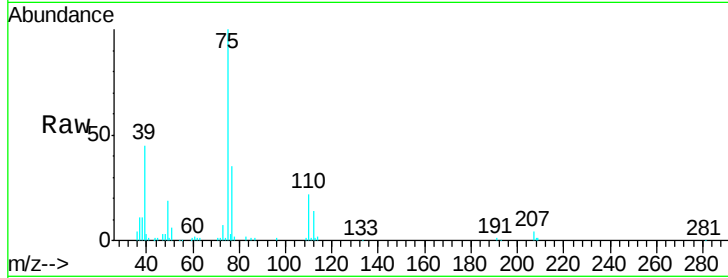
VN1104WBS01

Tgt Ion: 75 Resp: 99388

Ion Ratio Lower Upper

75 100

77 32.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 16.022 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

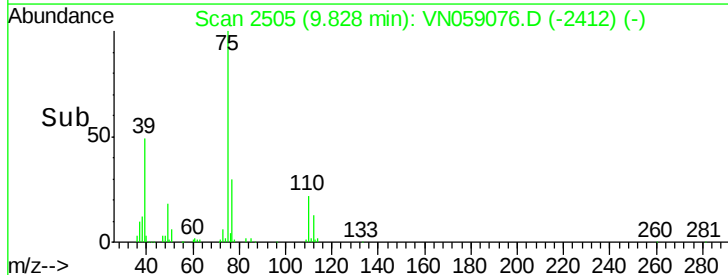
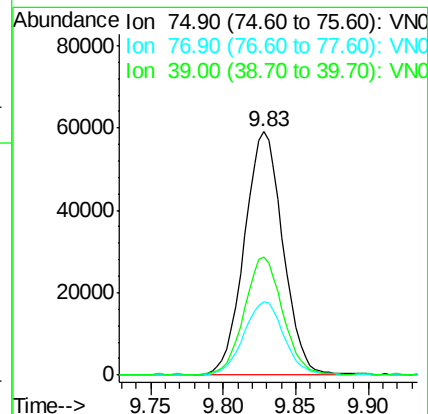
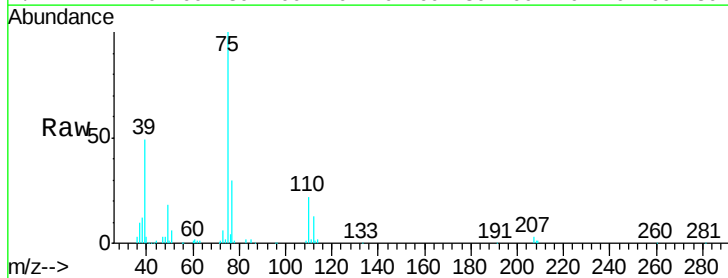
Tgt Ion: 75 Resp: 109236

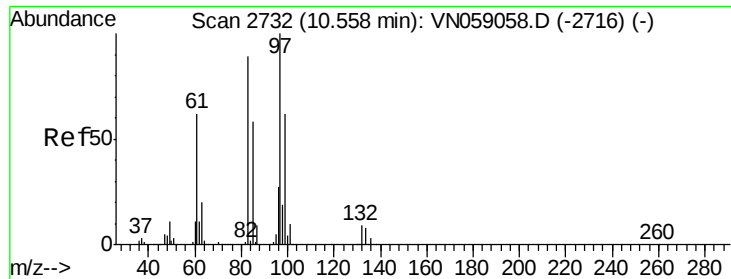
Ion Ratio Lower Upper

75 100

77 30.0 24.6 37.0

39 48.3 37.4 56.2

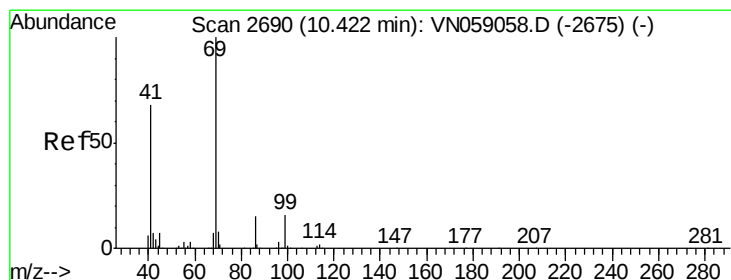
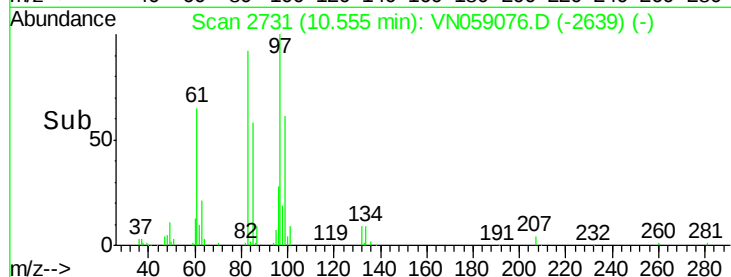
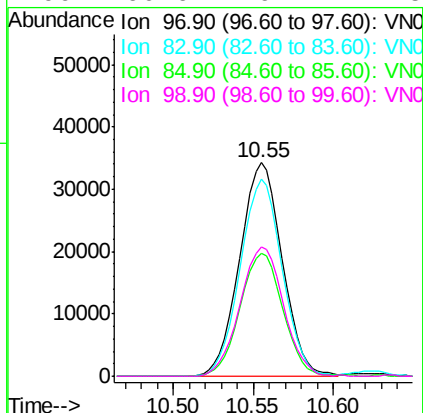
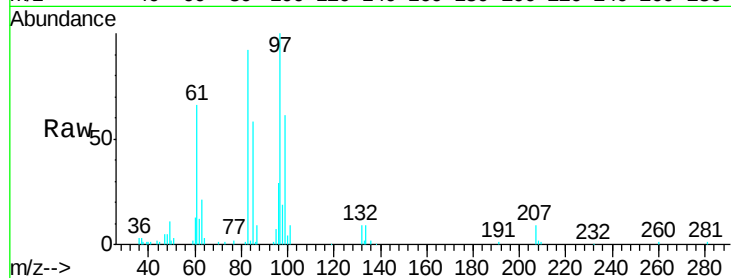




#55
 1,1,2-Trichloroethane
 Concen: 15.777 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

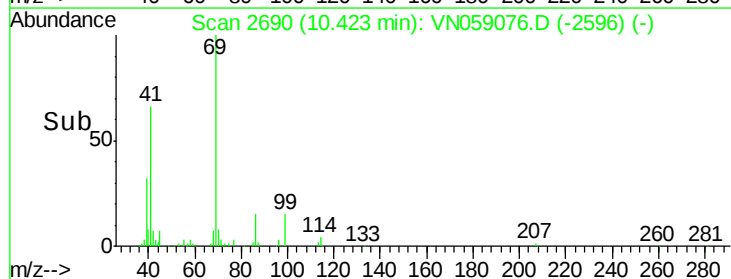
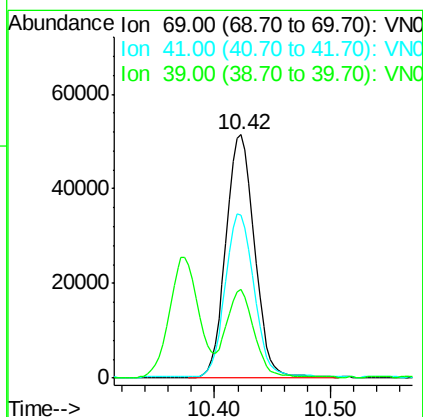
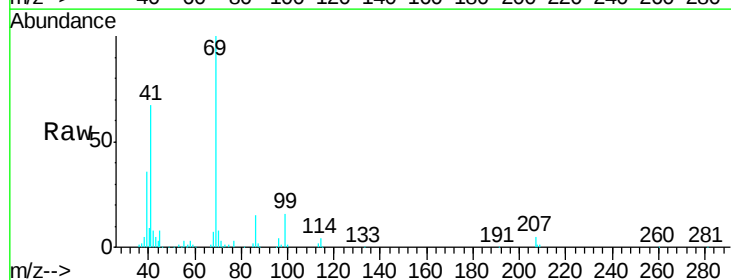
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS01

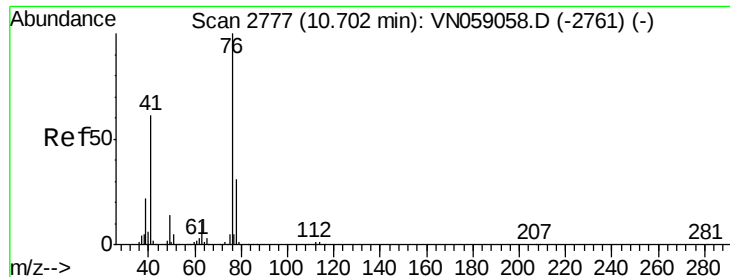
Tgt Ion:	97	Resp:	62189
Ion	Ratio	Lower	Upper
97	100		
83	92.2	71.4	107.2
85	57.6	46.6	70.0
99	60.6	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 14.573 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion:	69	Resp:	88349
Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.8	80.8
39	34.3	26.2	39.2





#57

1,3-Dichloropropane

Concen: 15.897 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

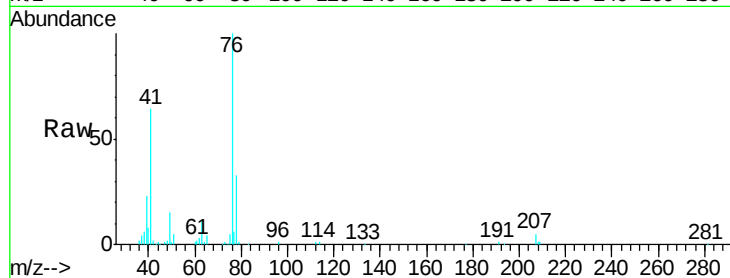
VN1104WBS01

Tgt Ion: 76 Resp: 108974

Ion Ratio Lower Upper

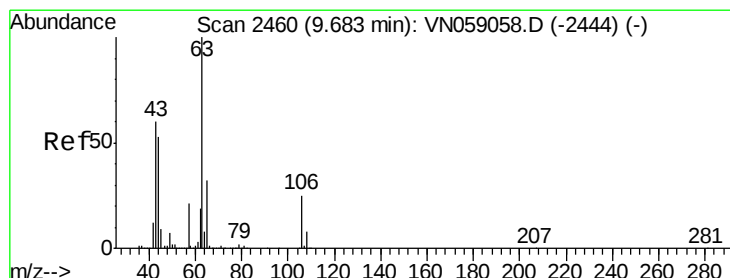
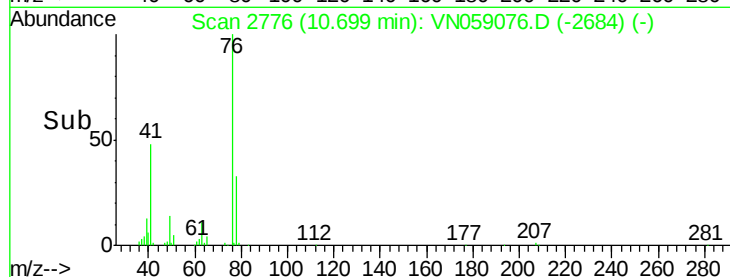
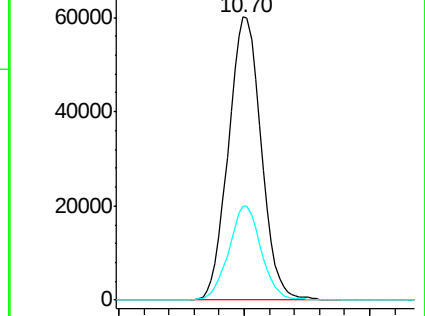
76 100

78 32.9 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: 70.933 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059076.D

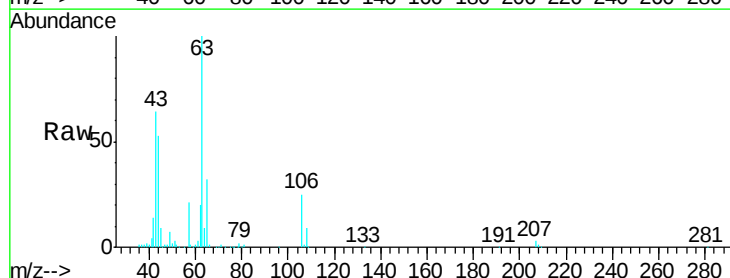
Acq: 4 Nov 2019 11:12

Tgt Ion: 63 Resp: 161766

Ion Ratio Lower Upper

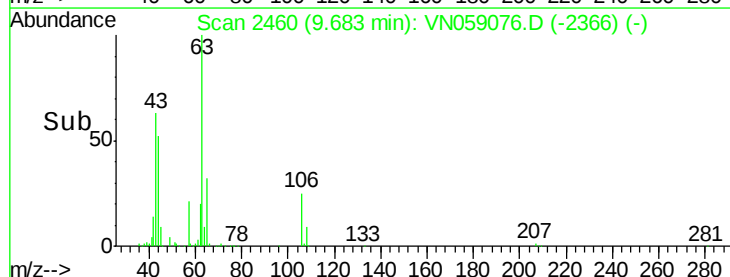
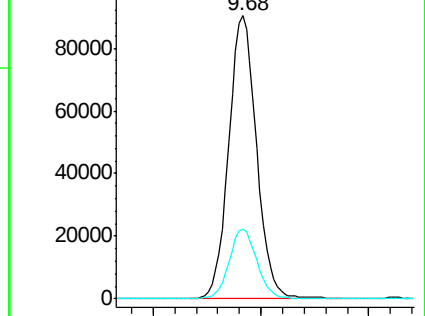
63 100

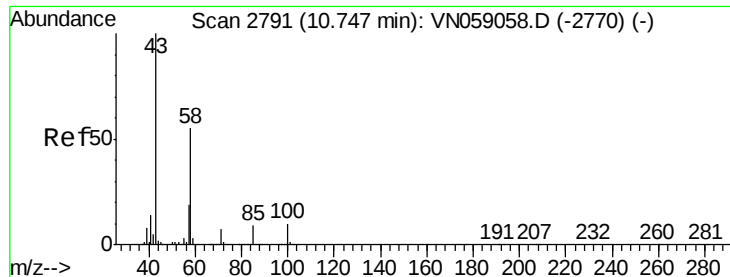
106 24.6 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

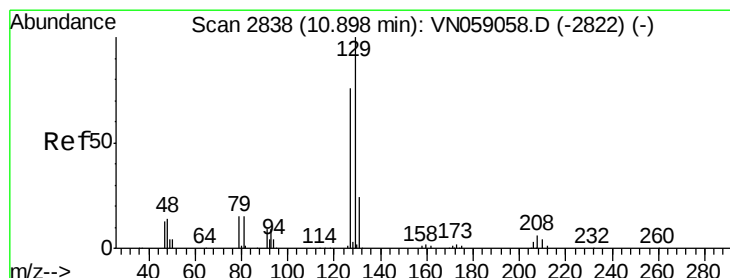
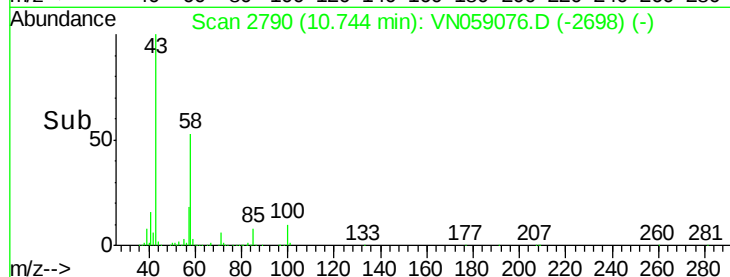
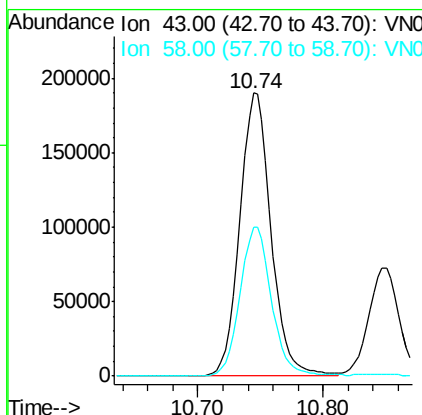
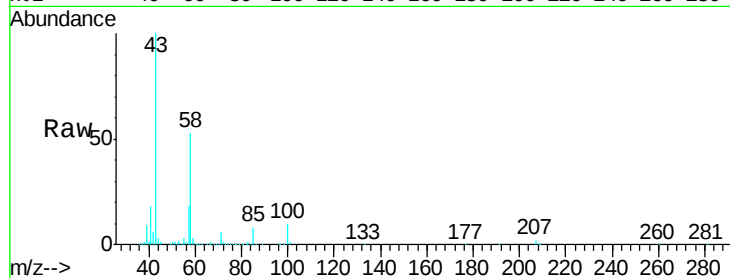




#59
2-Hexanone
Concen: 76.994 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

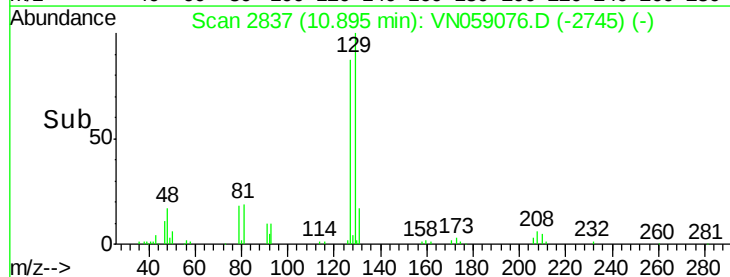
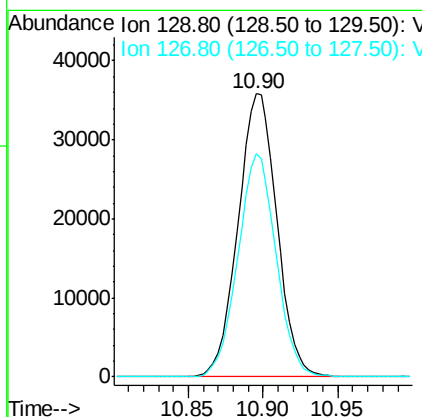
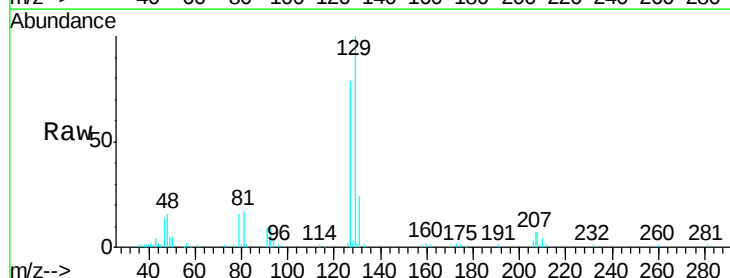
Instrument :
MSVOA_N
ClientSampled :
VN1104WBS01

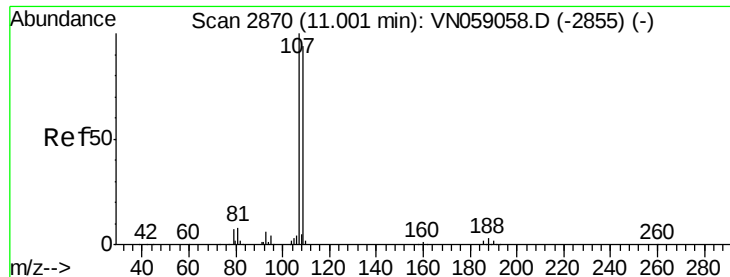
Tgt Ion: 43 Resp: 328531
Ion Ratio Lower Upper
43 100
58 53.4 27.4 82.2



#60
Dibromochloromethane
Concen: 15.237 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 129 Resp: 64727
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 15.913 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

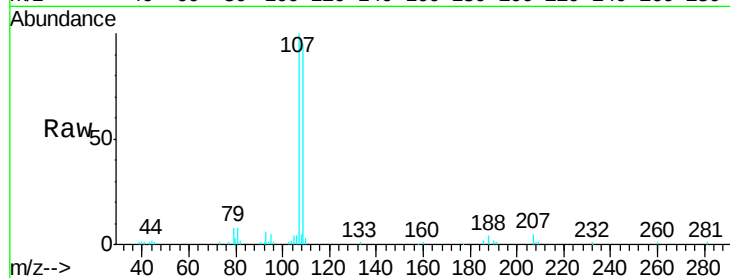
VN1104WBS01

Tgt Ion: 107 Resp: 63541

Ion Ratio Lower Upper

107 100

109 93.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

20000

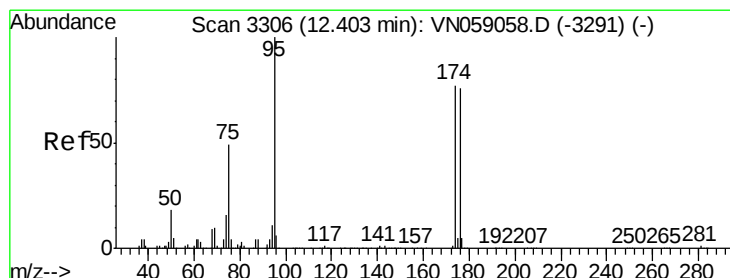
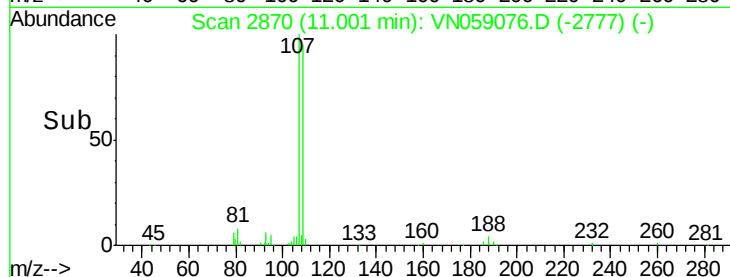
10000

0

Time-->

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 33.166 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

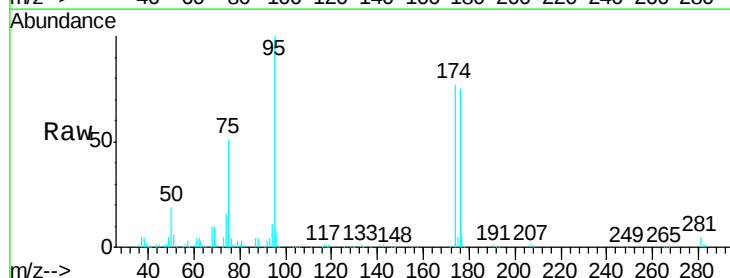
Tgt Ion: 95 Resp: 167652

Ion Ratio Lower Upper

95 100

174 77.0 0.0 155.8

176 74.1 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

50000

0

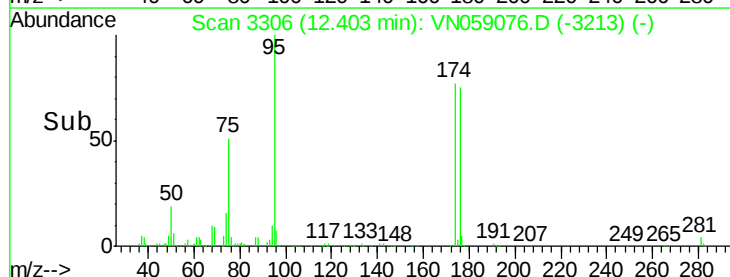
Time-->

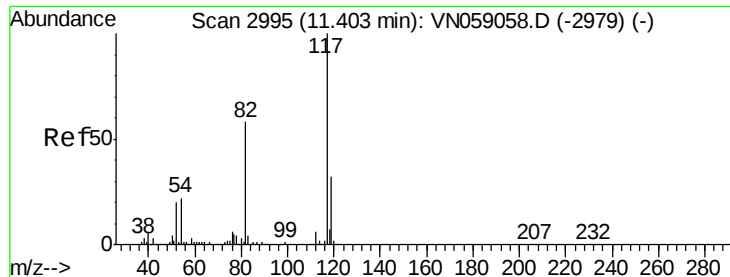
12.35

12.40

12.45

12.50

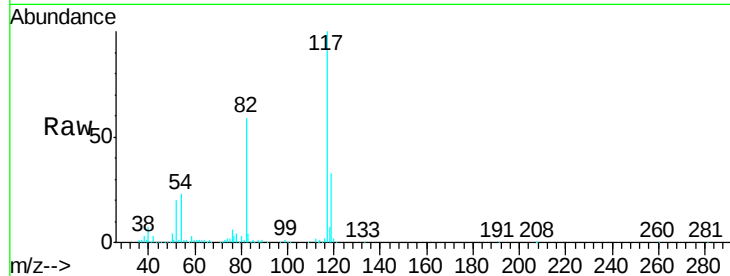




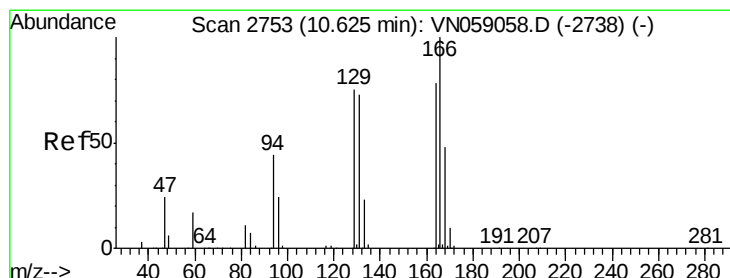
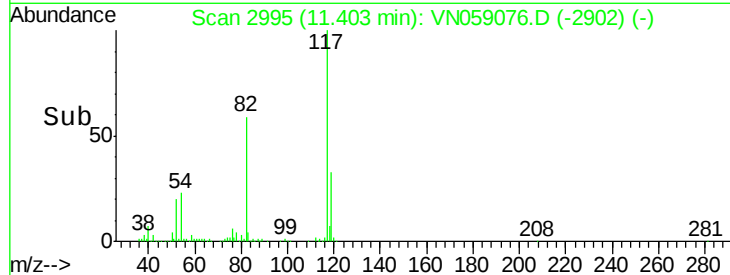
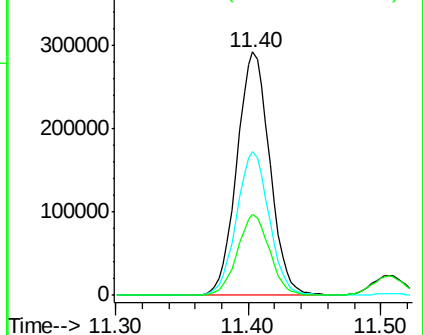
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion:117 Resp: 504277
Ion Ratio Lower Upper
117 100
82 58.9 46.0 69.0
119 33.0 25.6 38.4

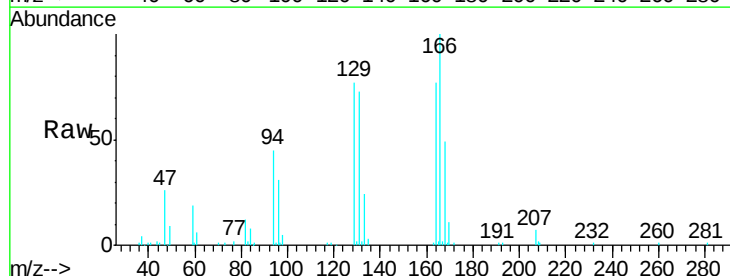


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

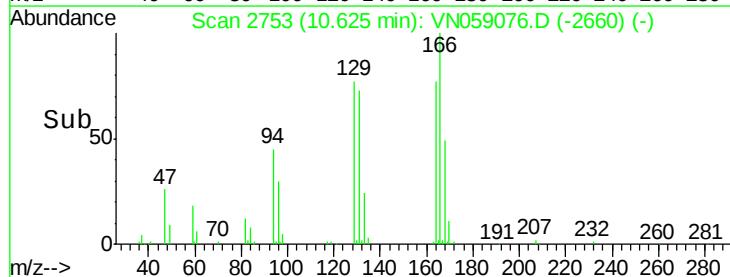
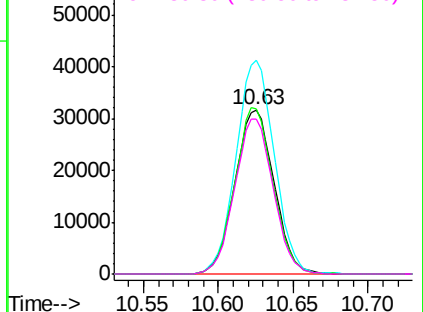


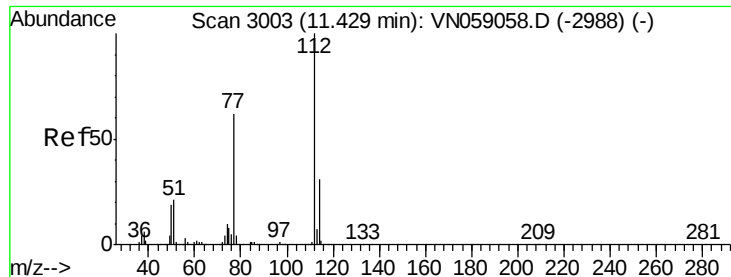
#64
Tetrachloroethene
Concen: 16.384 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion:164 Resp: 57716
Ion Ratio Lower Upper
164 100
166 129.9 102.7 154.1
129 100.4 77.3 115.9
131 94.3 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: 16.140 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

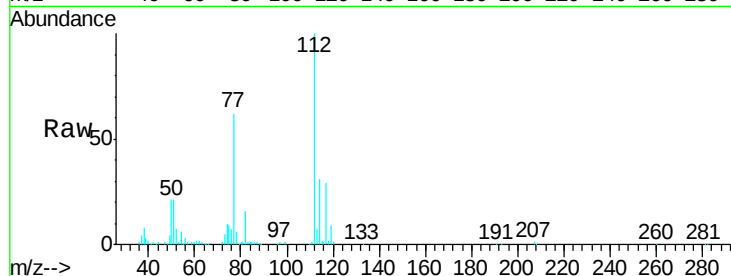
VN1104WBS01

Tgt Ion:112 Resp: 167045

Ion Ratio Lower Upper

112 100

114 31.4 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

100000

80000

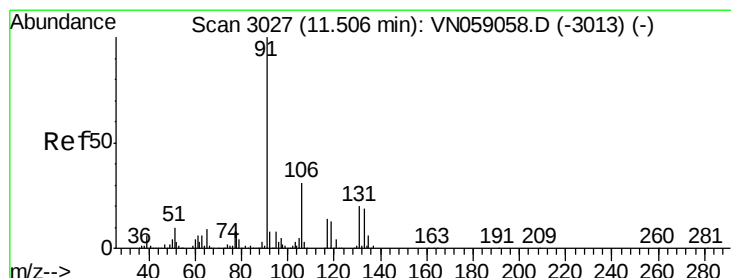
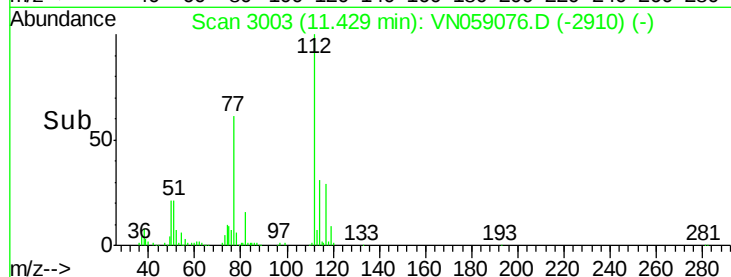
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.506 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

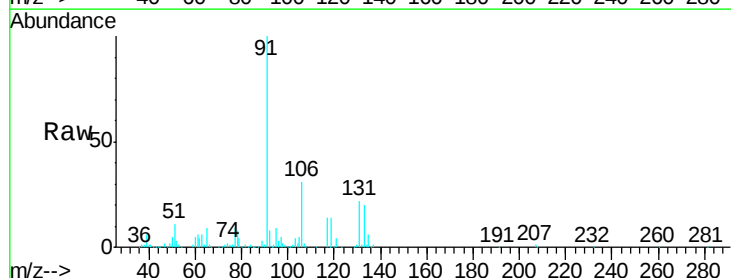
Tgt Ion:131 Resp: 62852

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.6

119 65.3 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

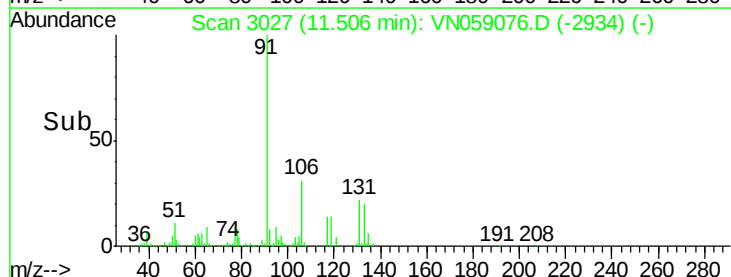
60000

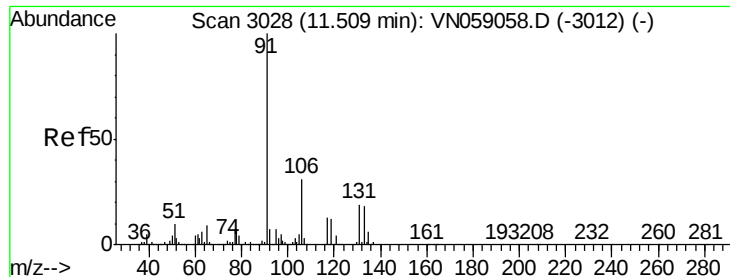
40000

20000

0

Time-->

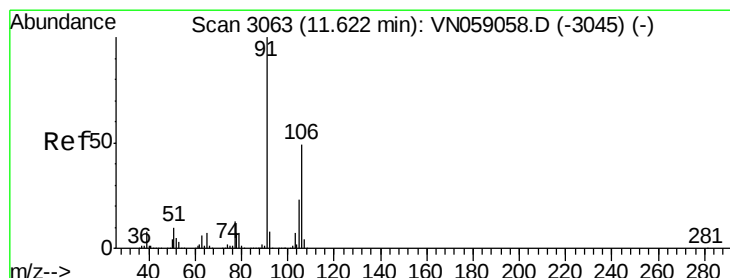
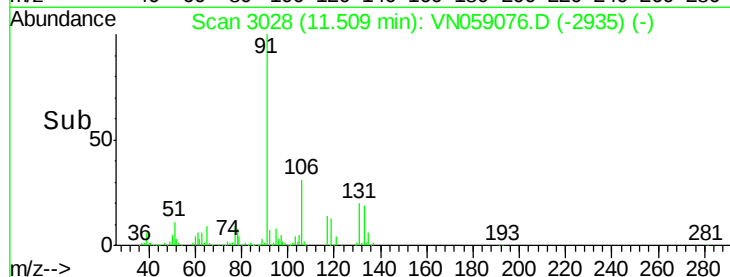
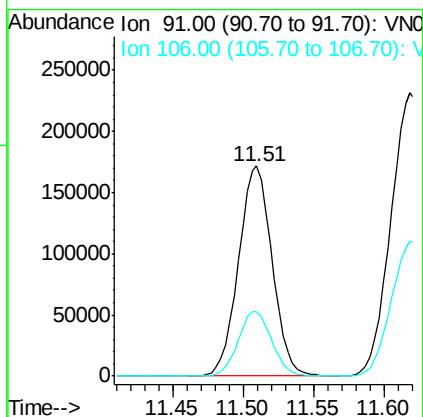
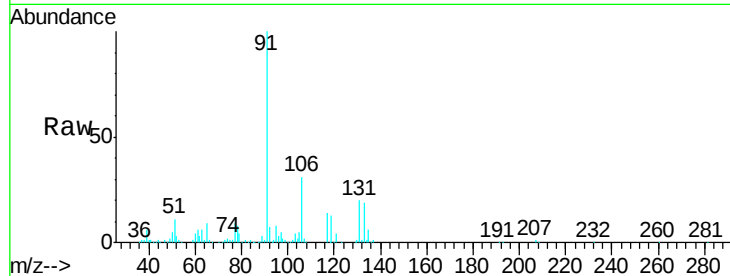




#67
Ethyl Benzene
Concen: 16.002 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

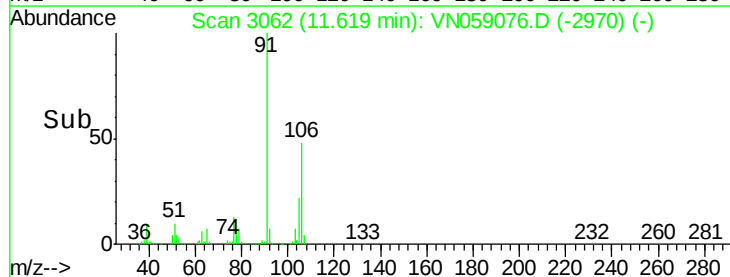
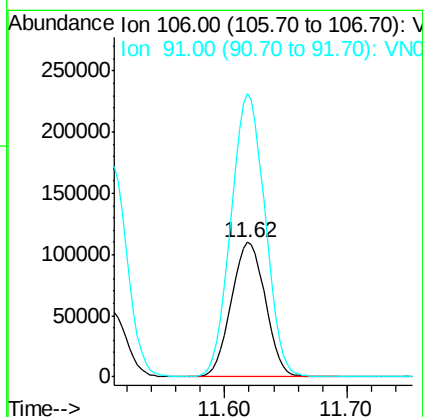
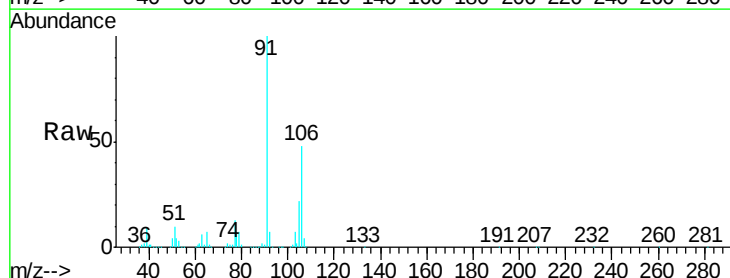
Instrument :
MSVOA_N
ClientSampled :
VN1104WBS01

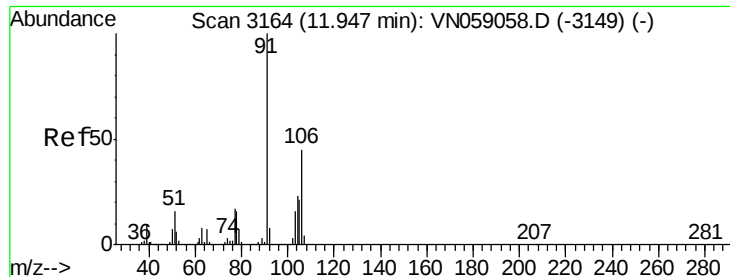
Tgt Ion: 91 Resp: 286705
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 31.980 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion: 106 Resp: 213953
Ion Ratio Lower Upper
106 100
91 209.6 165.7 248.5

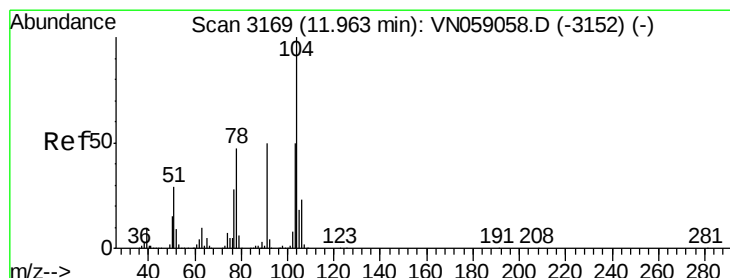
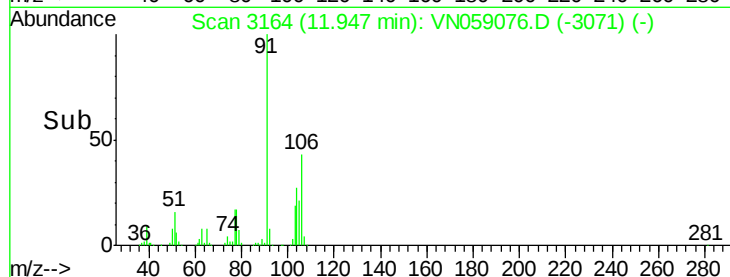
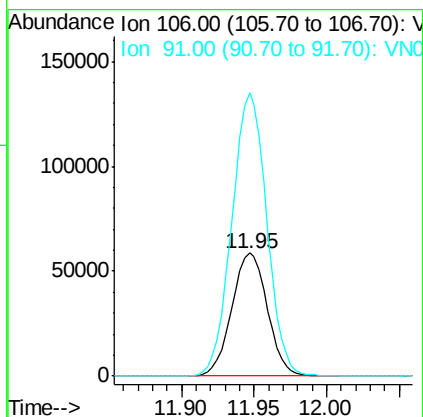
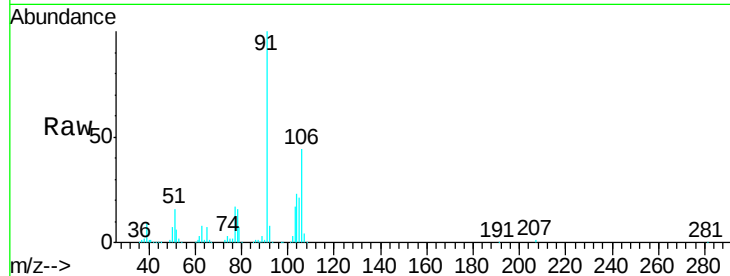




#69
o-Xylene
Concen: 15.632 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

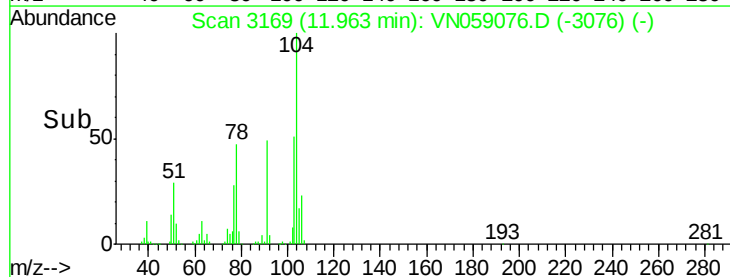
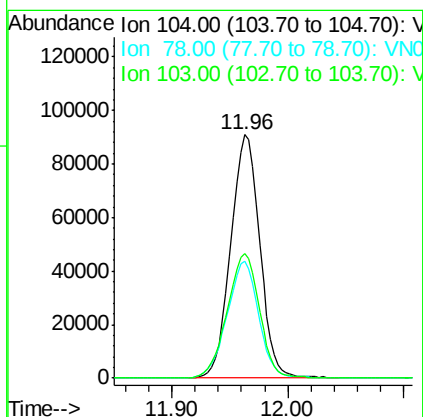
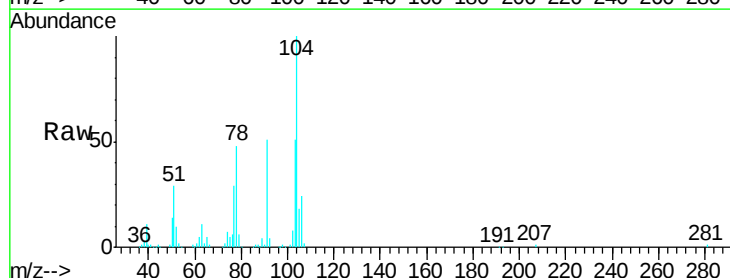
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

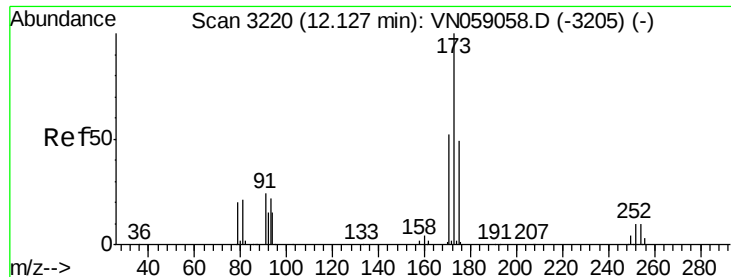
Tgt Ion:106 Resp: 99864
Ion Ratio Lower Upper
106 100
91 226.2 110.4 331.2



#70
Styrene
Concen: 15.227 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion:104 Resp: 157643
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 56.7 43.9 65.9





#71

Bromoform

Concen: 15.255 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

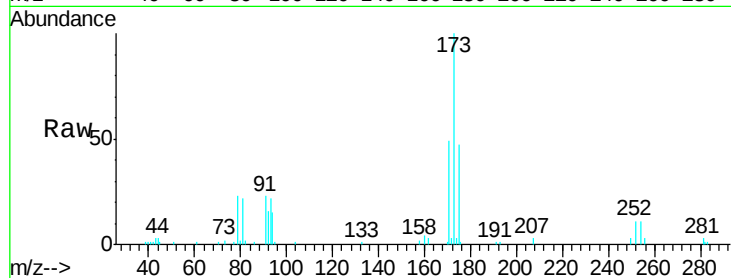
Tgt Ion:173 Resp: 44962

Ion Ratio Lower Upper

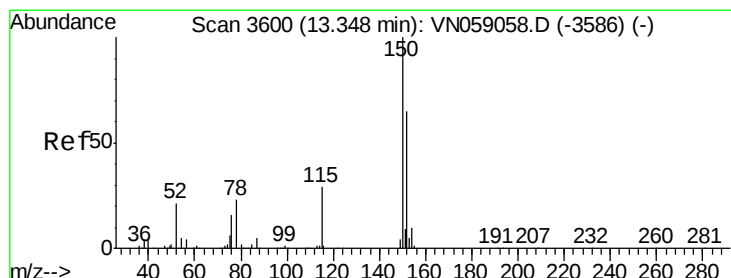
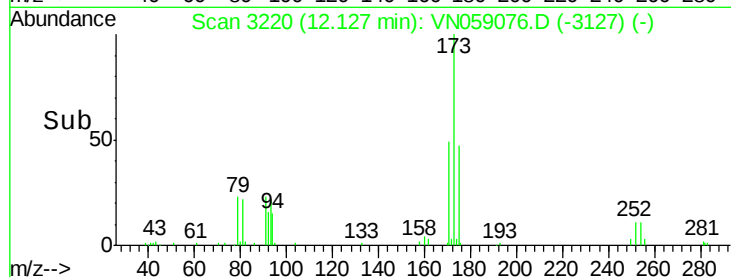
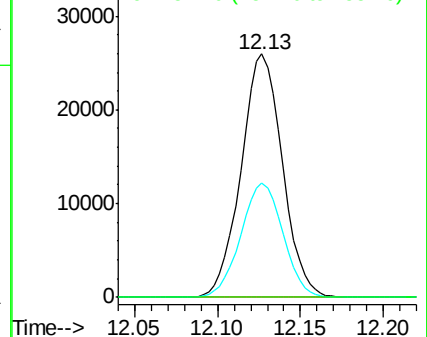
173 100

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: VN059076.D

Acq: 4 Nov 2019 11:12

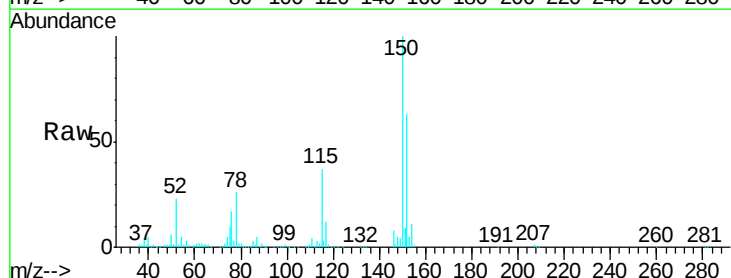
Tgt Ion:152 Resp: 225434

Ion Ratio Lower Upper

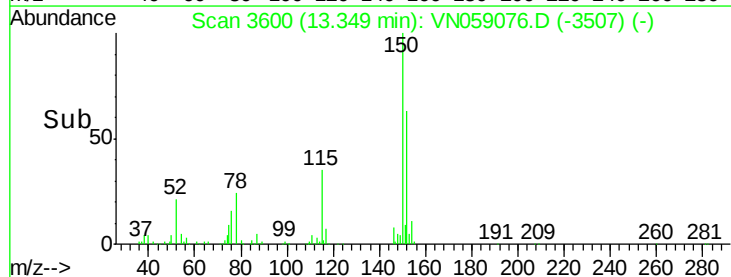
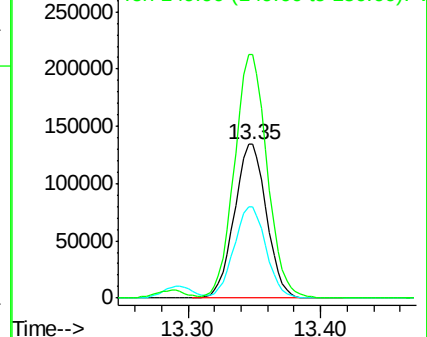
152 100

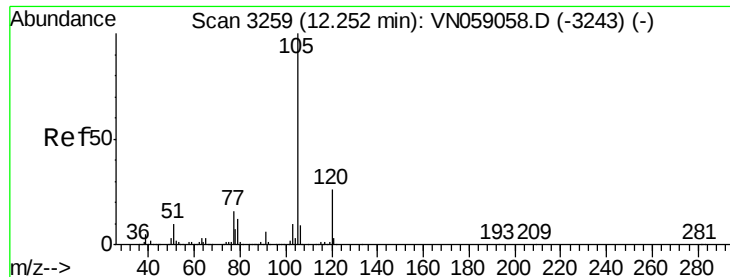
115 59.4 29.6 88.9

150 161.2 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: 16.554 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

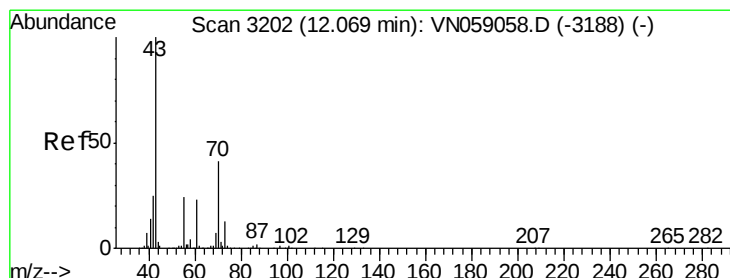
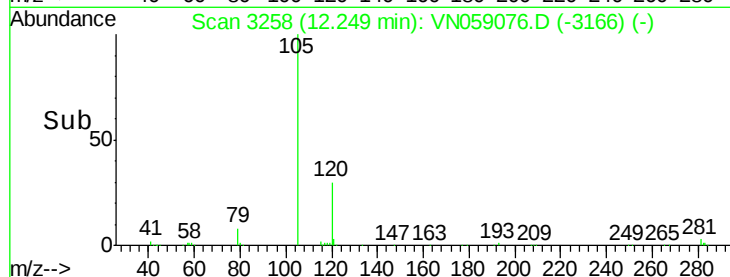
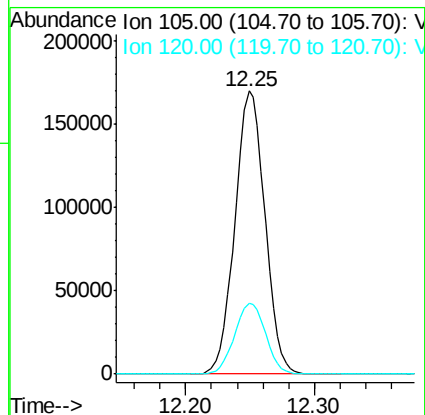
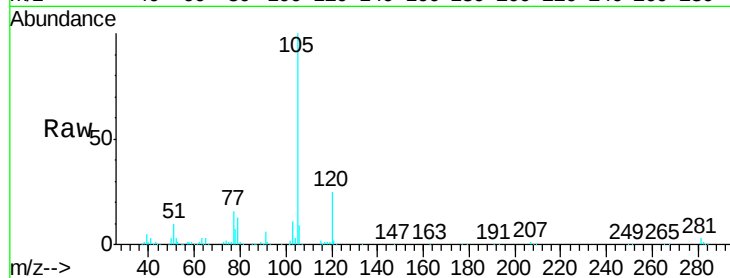
VN1104WBS01

Tgt Ion: 105 Resp: 274547

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 14.302 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Tgt Ion: 43 Resp: 105515

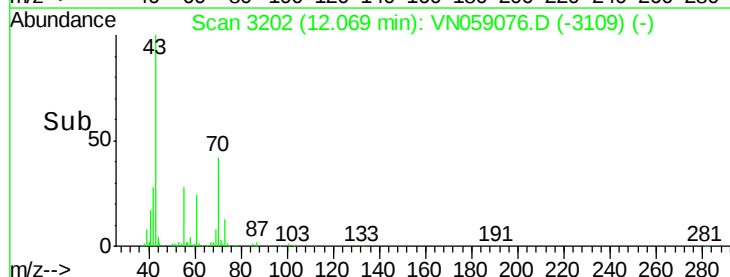
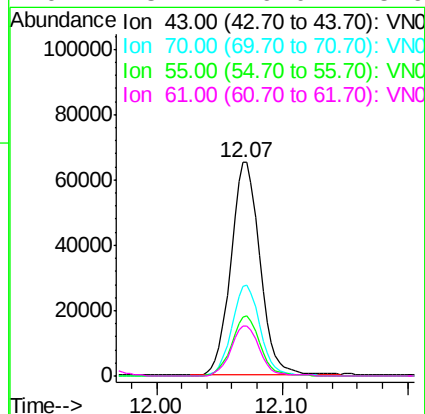
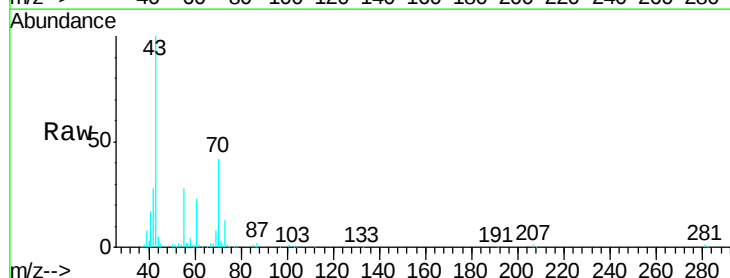
Ion Ratio Lower Upper

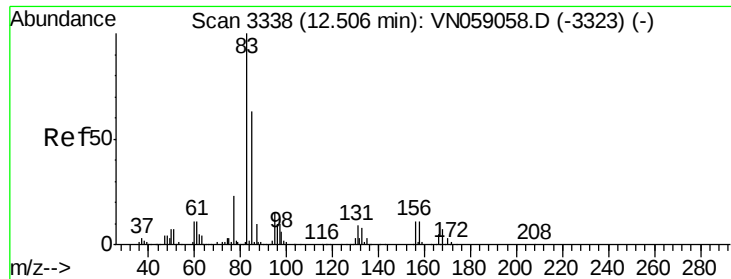
43 100

70 41.6 32.6 49.0

55 27.8 19.7 29.5

61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 15.432 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

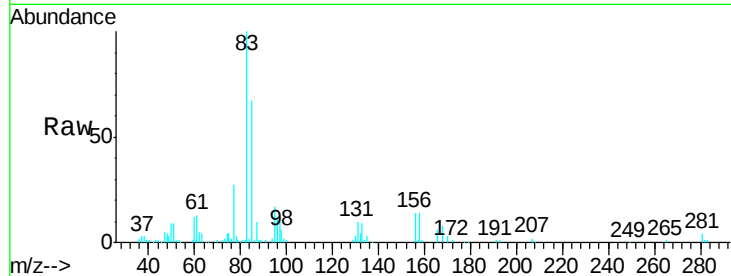
Tgt Ion: 83 Resp: 91167

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

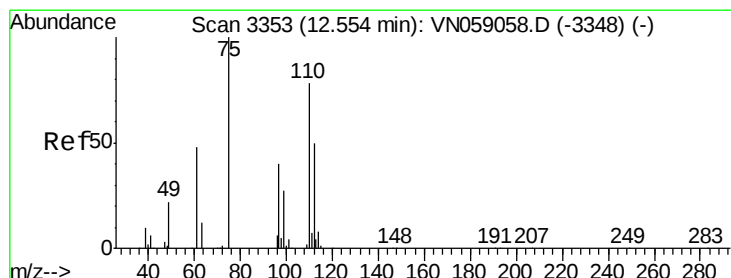
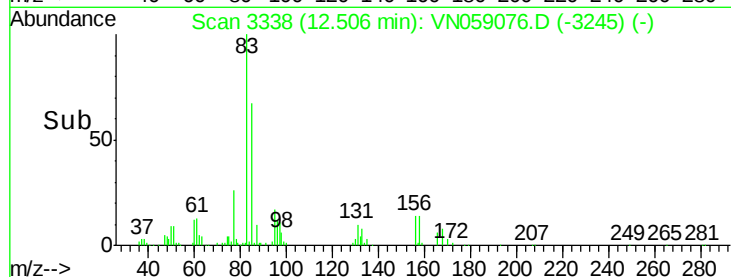
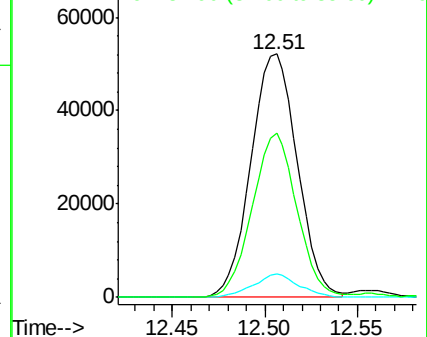
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 22.480 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059076.D

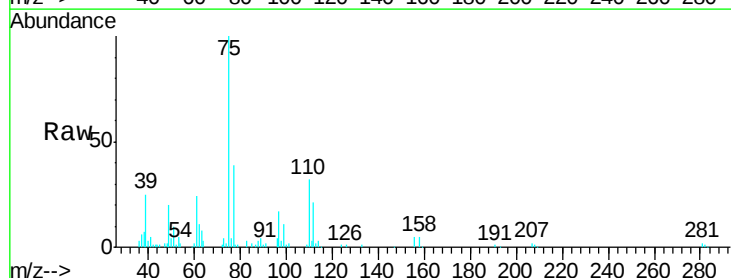
Acq: 4 Nov 2019 11:12

Tgt Ion: 75 Resp: 119922

Ion Ratio Lower Upper

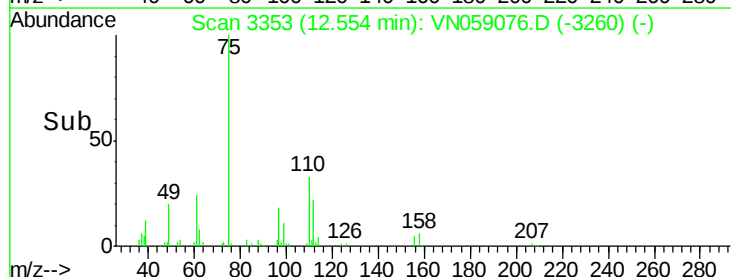
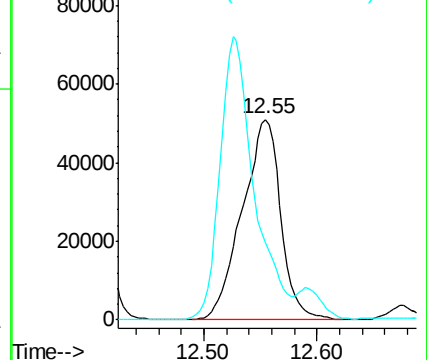
75 100

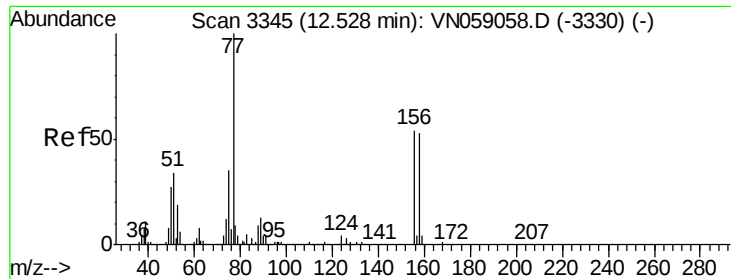
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 16.136 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

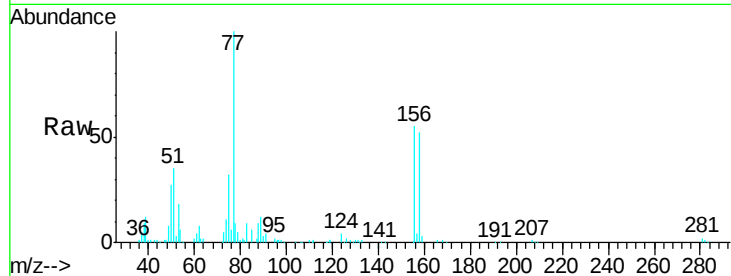
Tgt Ion:156 Resp: 66913

Ion Ratio Lower Upper

156 100

77 225.6 114.2 342.6

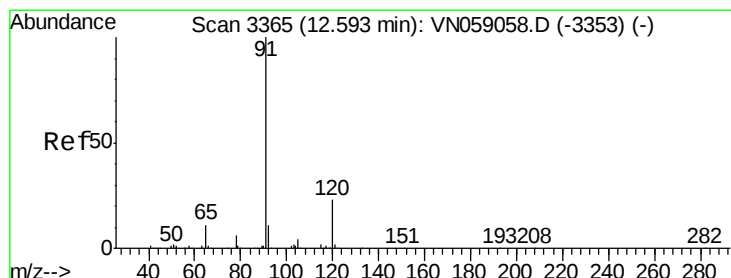
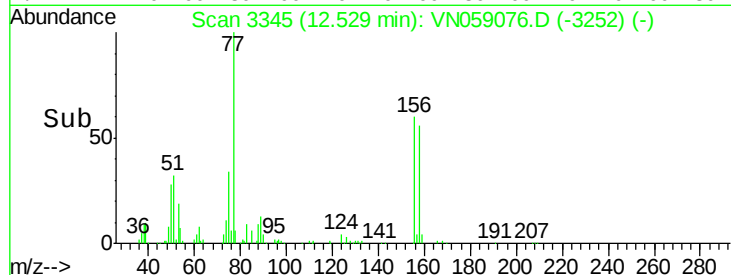
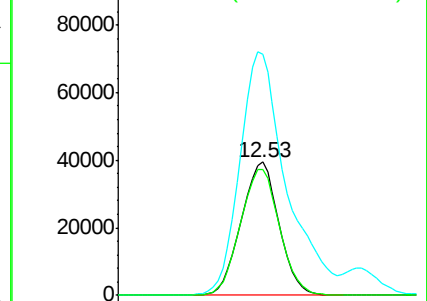
158 97.9 49.6 149.0



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: 16.437 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059076.D

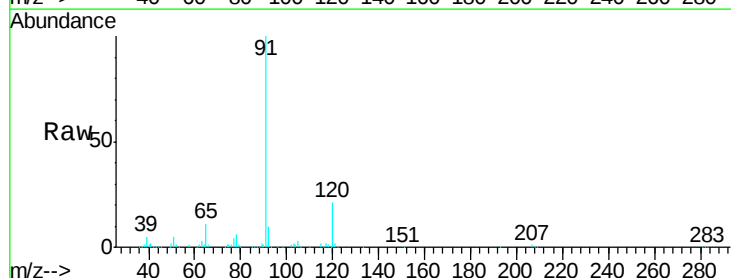
Acq: 4 Nov 2019 11:12

Tgt Ion: 91 Resp: 315729

Ion Ratio Lower Upper

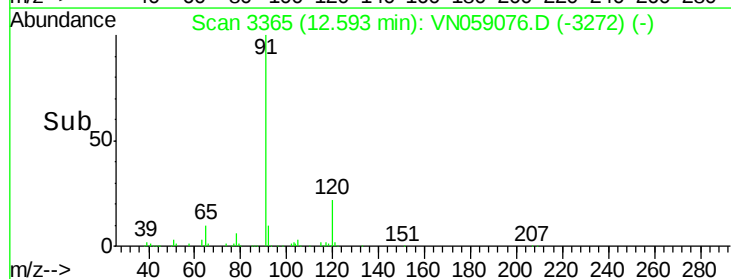
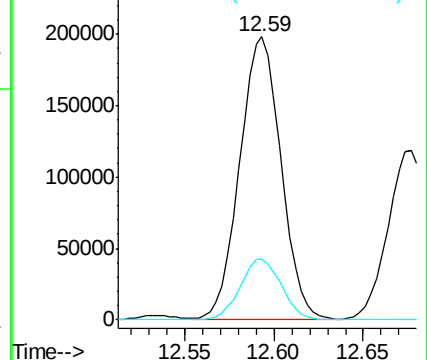
91 100

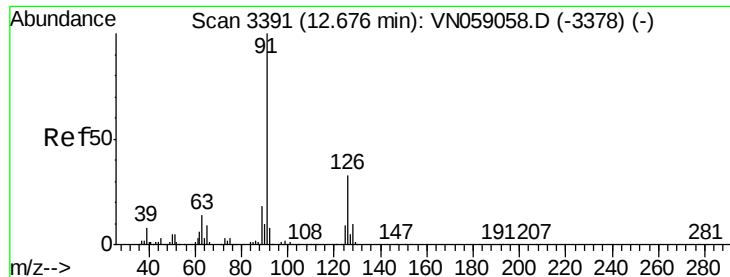
120 21.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.178 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

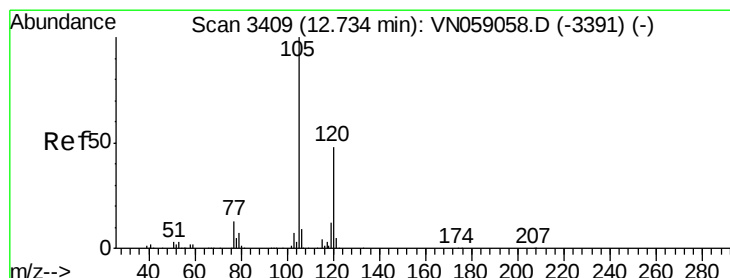
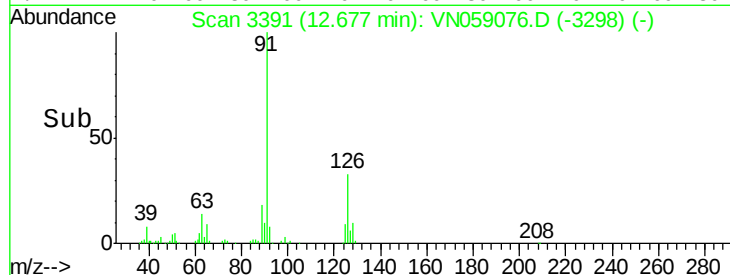
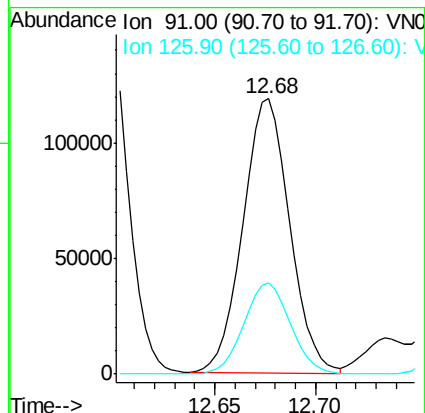
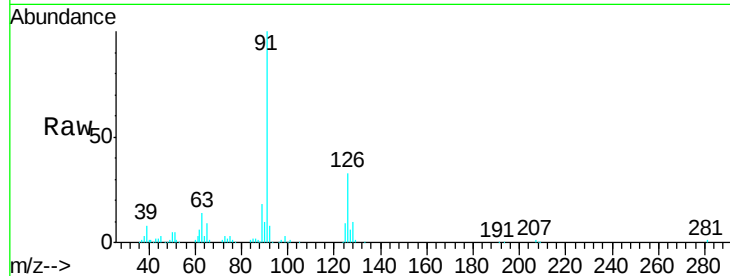
VN1104WBS01

Tgt Ion: 91 Resp: 192951

Ion Ratio Lower Upper

91 100

126 33.2 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 16.359 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059076.D

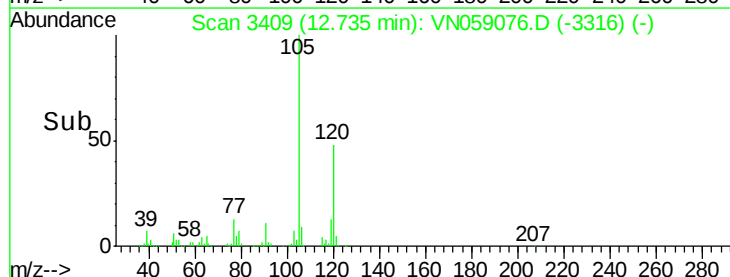
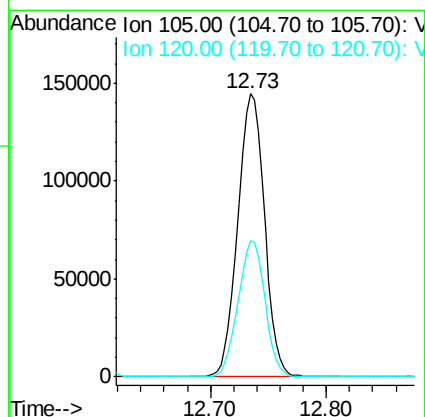
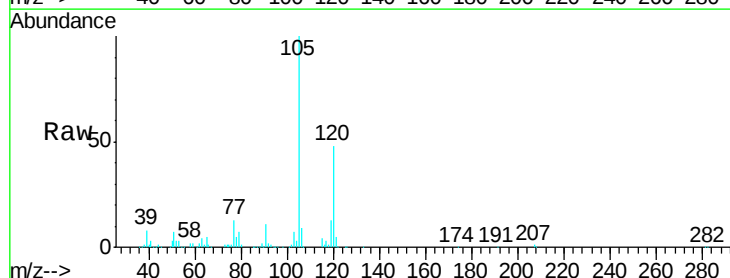
Acq: 4 Nov 2019 11:12

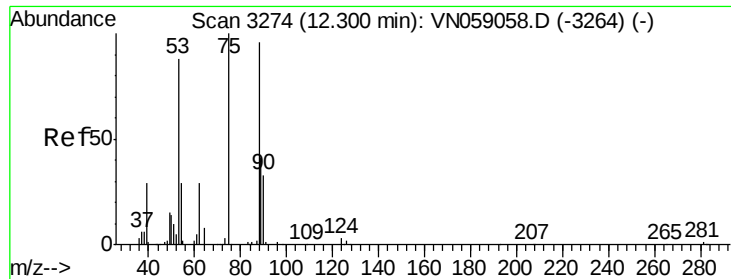
Tgt Ion: 105 Resp: 230575

Ion Ratio Lower Upper

105 100

120 48.3 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 14.814 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1104WBS01

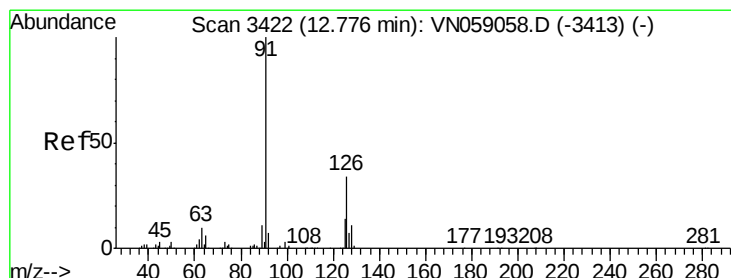
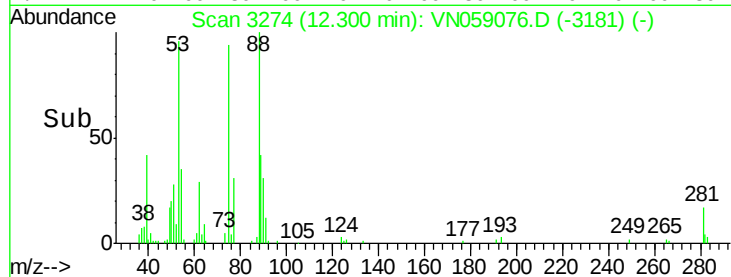
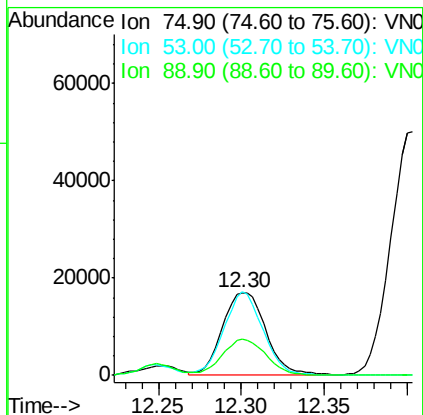
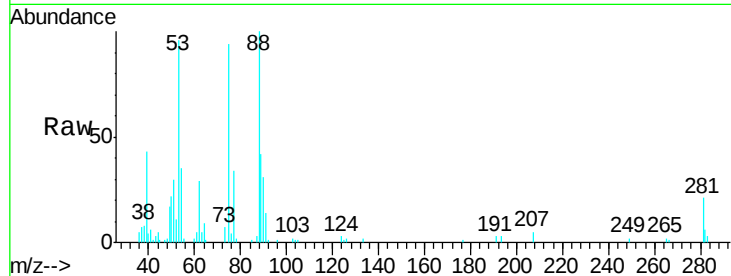
Tgt Ion: 75 Resp: 30829

Ion Ratio Lower Upper

75 100

53 92.3 70.4 105.6

89 43.8 34.2 51.2



#82

4-Chlorotoluene

Concen: 15.957 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059076.D

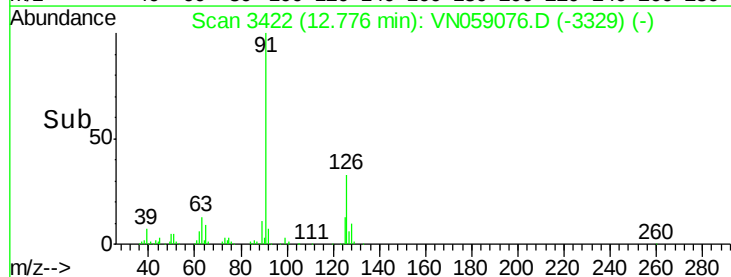
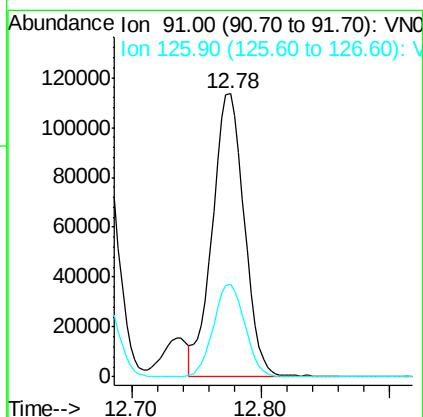
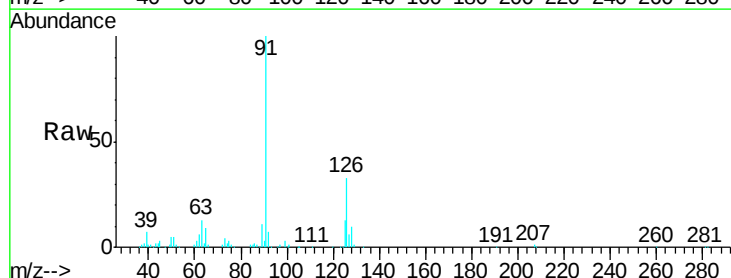
Acq: 4 Nov 2019 11:12

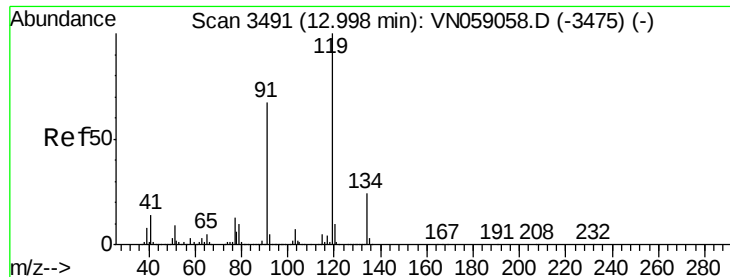
Tgt Ion: 91 Resp: 194241

Ion Ratio Lower Upper

91 100

126 32.4 16.0 47.9

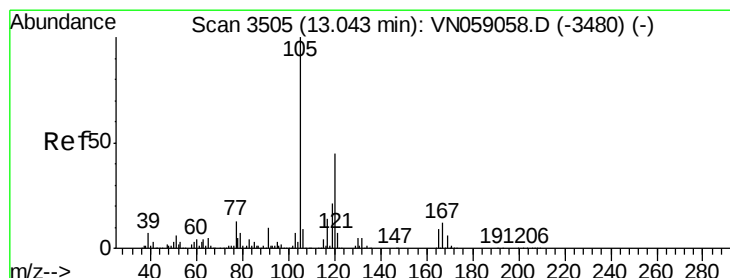
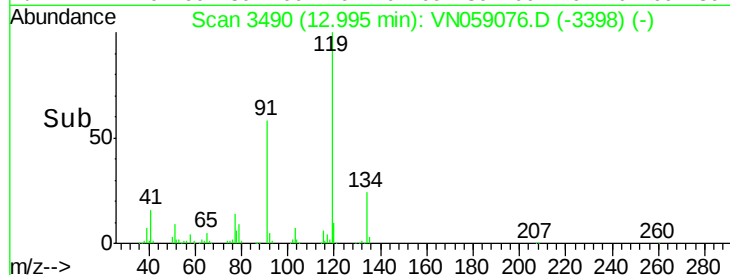
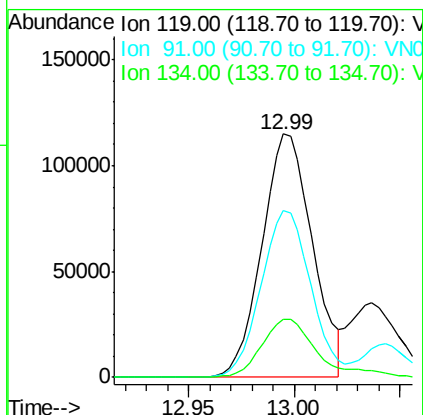
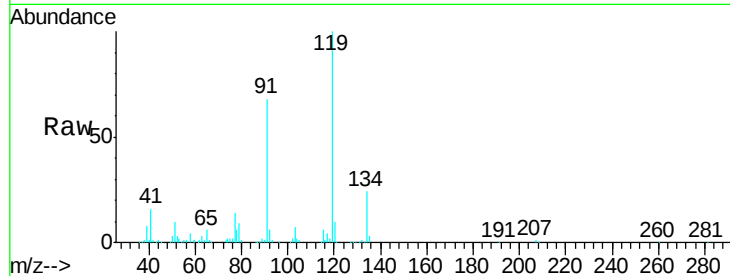




#83
 tert-Butylbenzene
 Concen: 15.973 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

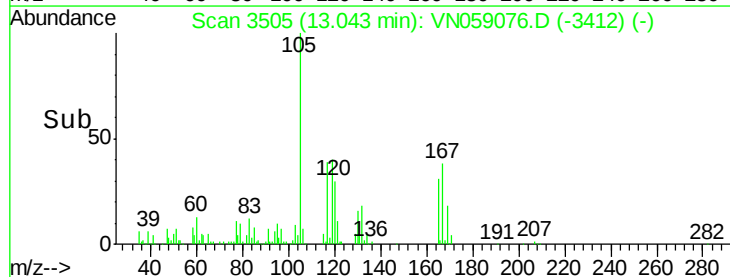
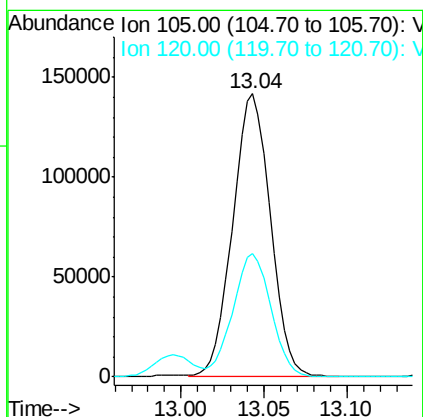
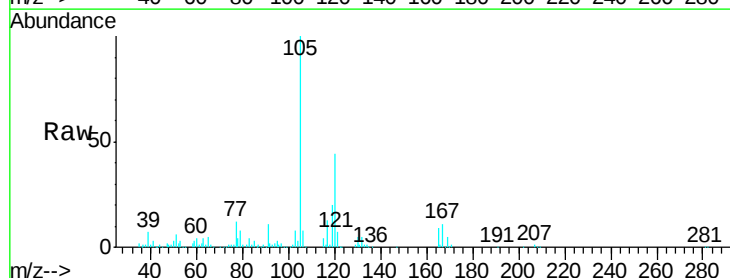
Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBS01

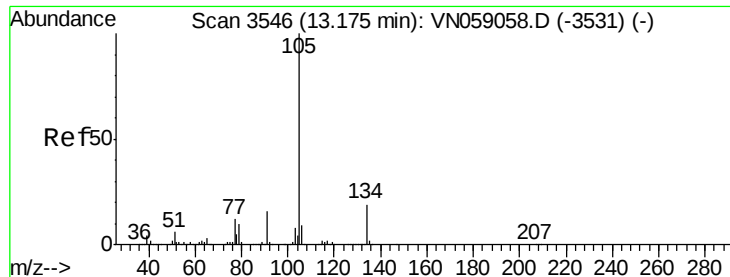
Tgt Ion:119 Resp: 191251
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.7 101.0
 134 26.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 16.307 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion:105 Resp: 223336
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.9

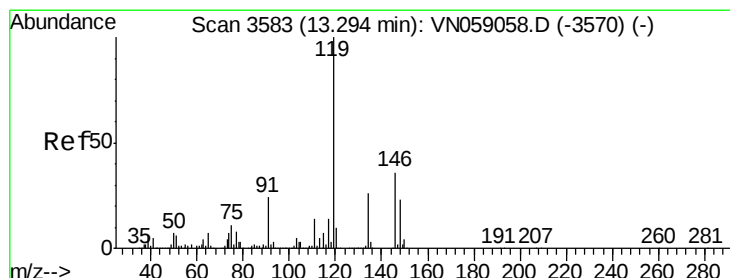
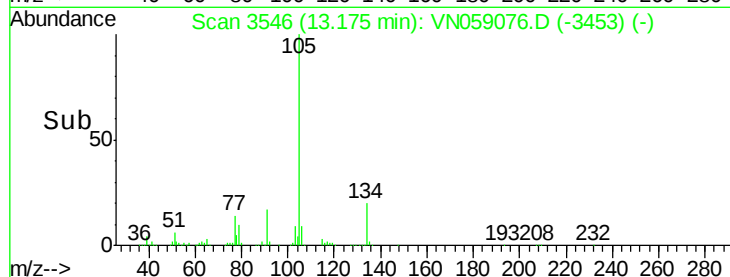
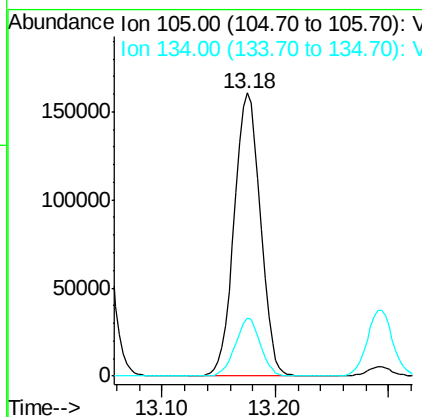
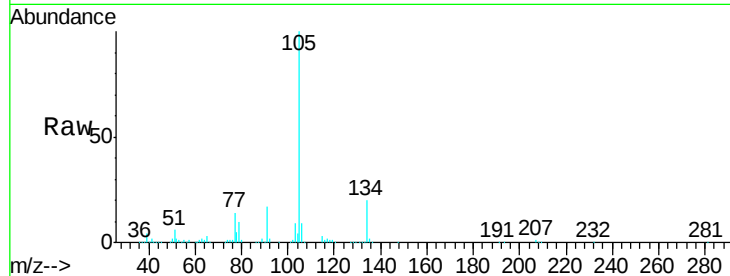




#85
 sec-Butylbenzene
 Concen: 16.562 ug/l
 RT: 13.18 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

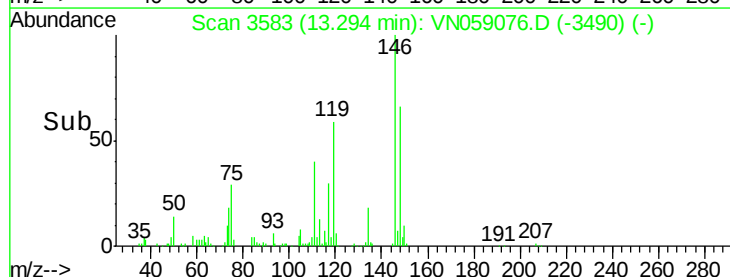
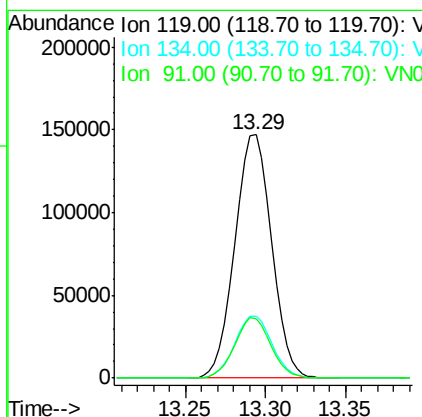
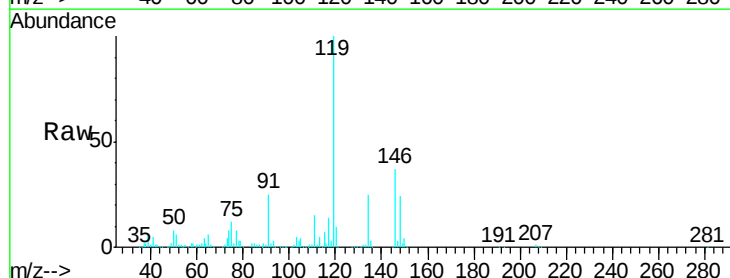
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

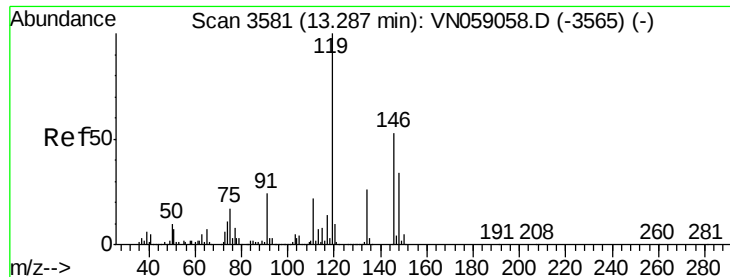
Tgt Ion:105 Resp: 259897
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 16.252 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion:119 Resp: 229932
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 24.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 15.699 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

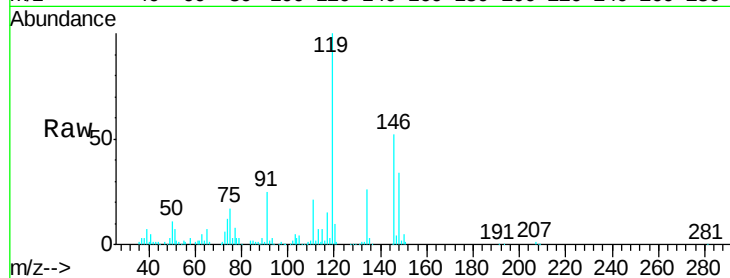
Tgt Ion:146 Resp: 115666

Ion Ratio Lower Upper

146 100

111 40.6 20.5 61.5

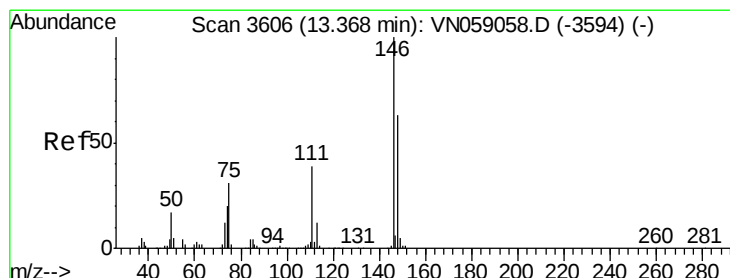
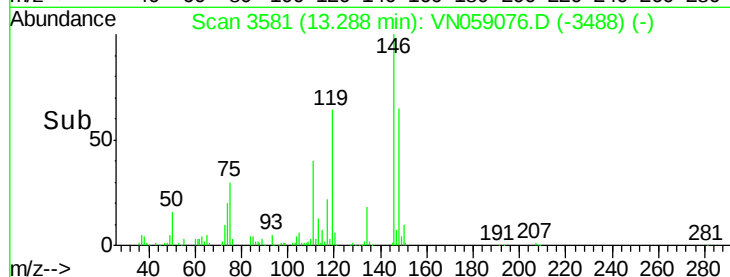
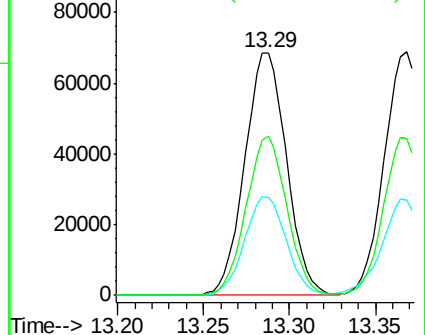
148 63.9 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 15.499 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

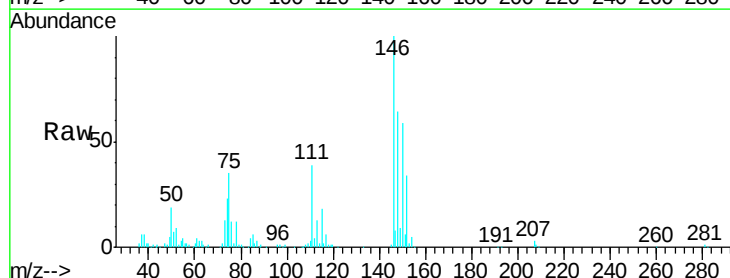
Tgt Ion:146 Resp: 112955

Ion Ratio Lower Upper

146 100

111 41.2 20.1 60.2

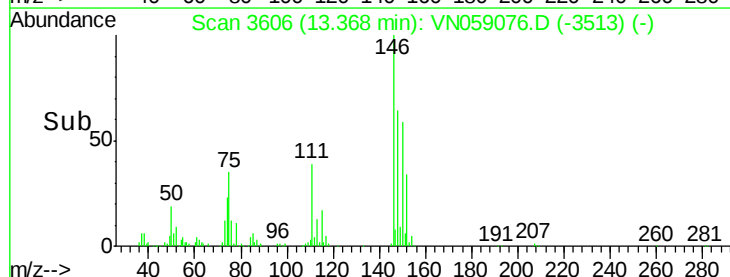
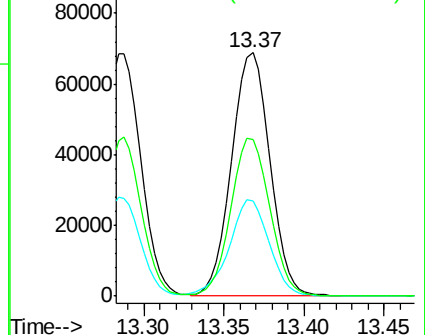
148 65.8 31.9 95.7

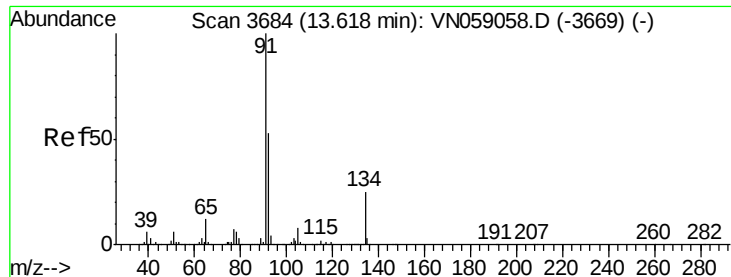


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 15.878 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBS01

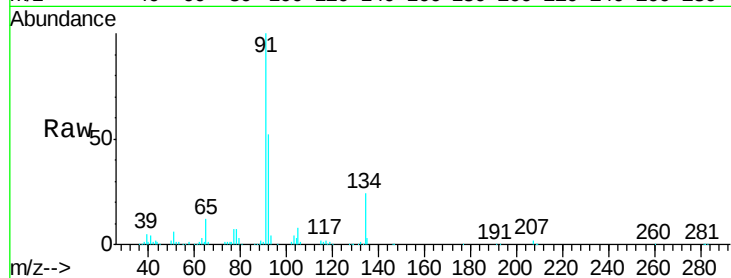
Tgt Ion: 91 Resp: 195740

Ion Ratio Lower Upper

91 100

92 51.5 26.4 79.0

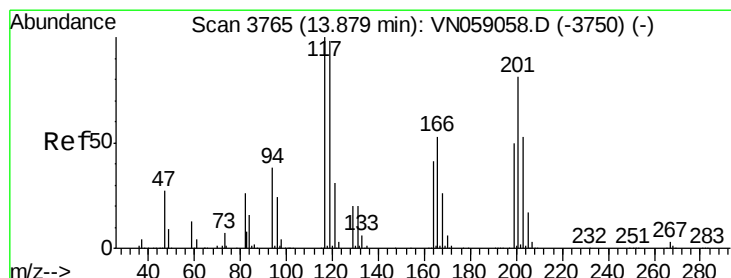
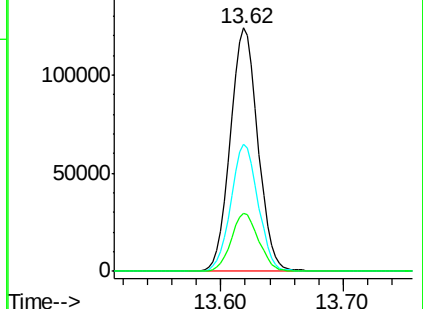
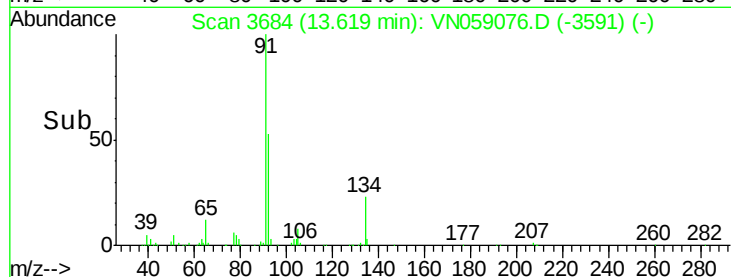
134 23.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VN059076.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059076.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059076.D (-3669) (-)



#90

Hexachloroethane

Concen: 15.548 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059076.D

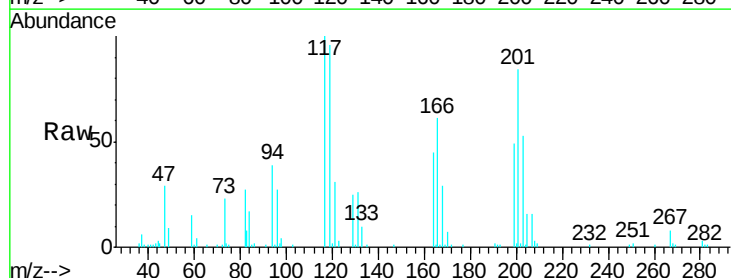
Acq: 4 Nov 2019 11:12

Tgt Ion: 117 Resp: 43726

Ion Ratio Lower Upper

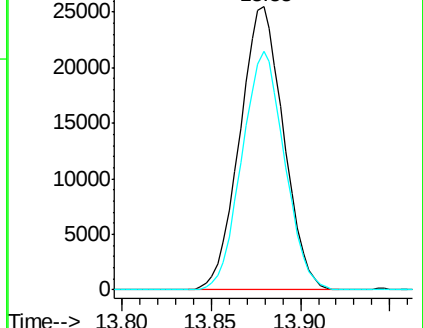
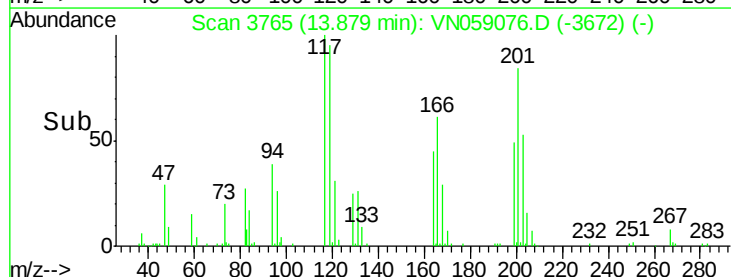
117 100

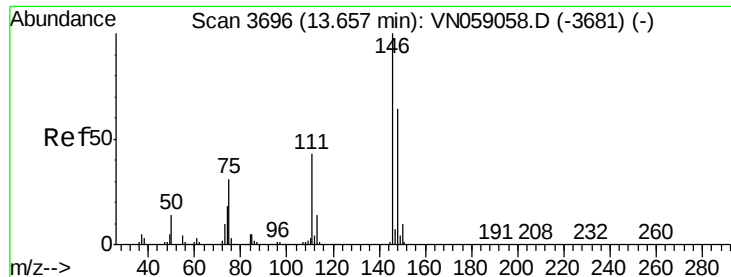
201 82.1 40.7 122.1



Abundance Ion 116.80 (116.50 to 117.50): VN059076.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059076.D (-3672) (-)





#91

1,2-Dichlorobenzene

Concen: 15.683 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059076.D

Acq: 4 Nov 2019 11:12

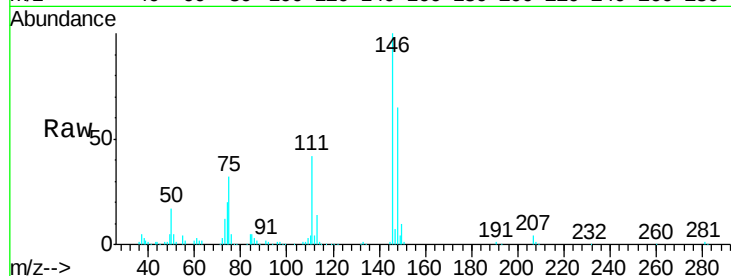
Instrument :

MSVOA_N

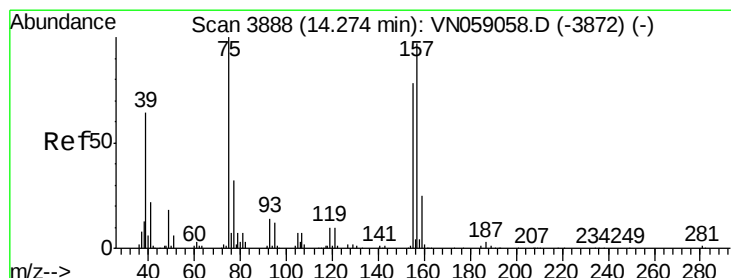
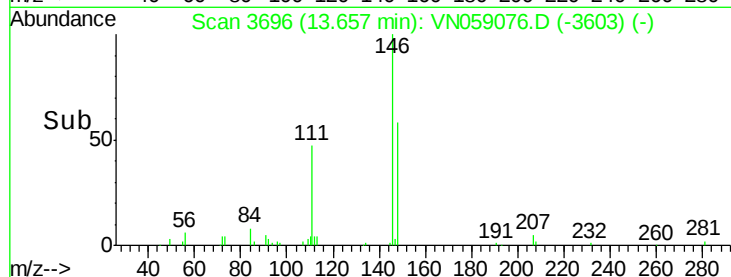
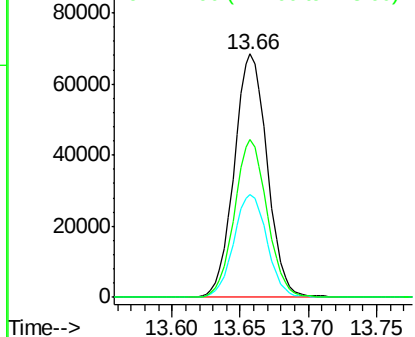
ClientSampleId :

VN1104WBS01

Tgt Ion:	146	Resp:	114977
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.1	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: 14.381 ug/l

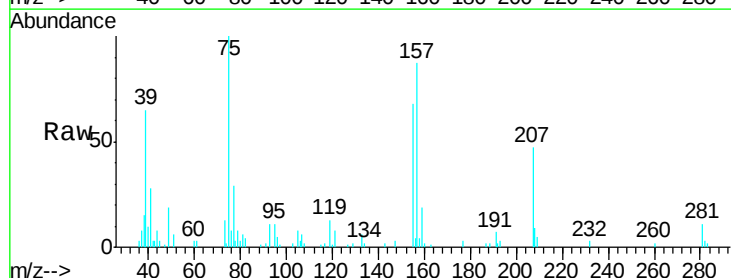
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

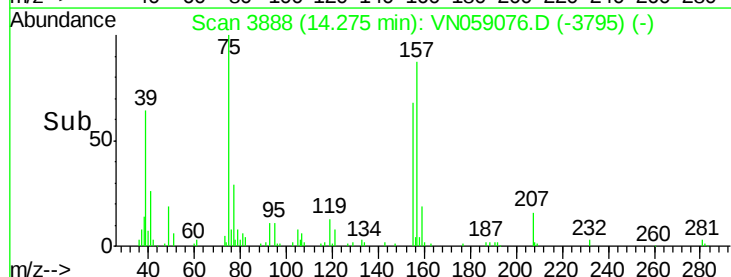
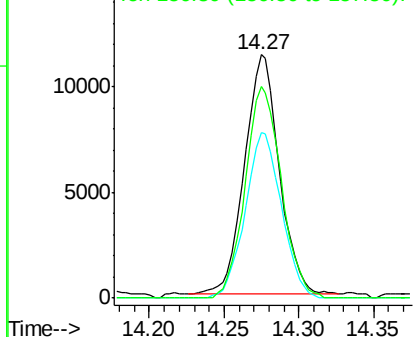
Lab File: VN059076.D

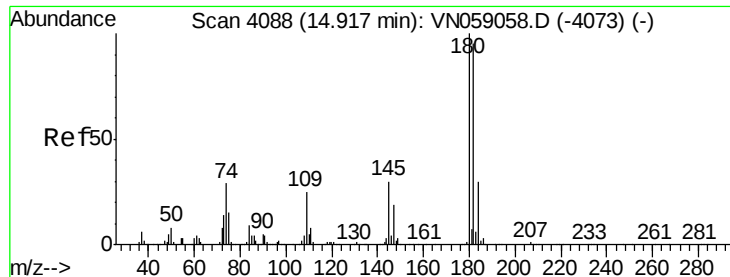
Acq: 4 Nov 2019 11:12

Tgt Ion:	75	Resp:	18351
Ion	Ratio	Lower	Upper
75	100		
155	71.7	39.7	119.1
157	91.3	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

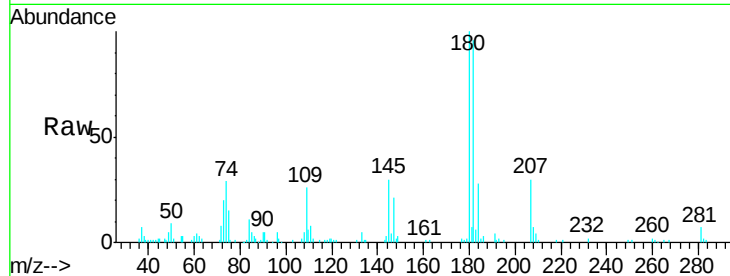




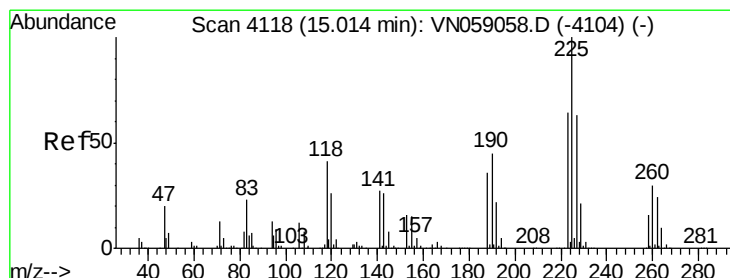
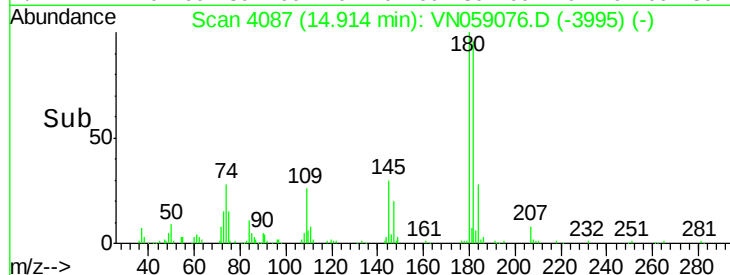
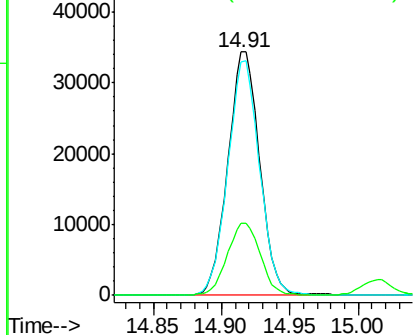
#93
 1,2,4-Trichlorobenzene
 Concen: 14.105 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Tgt Ion:180 Resp: 55772
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.4
 145 30.7 15.1 45.3

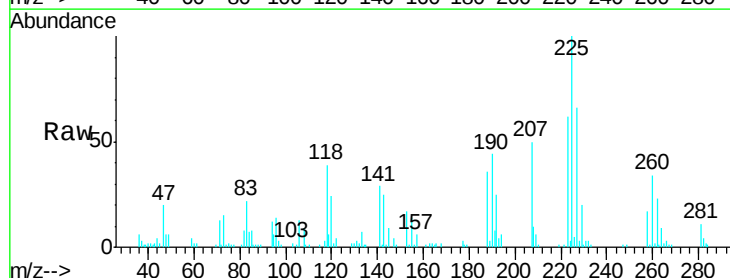


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

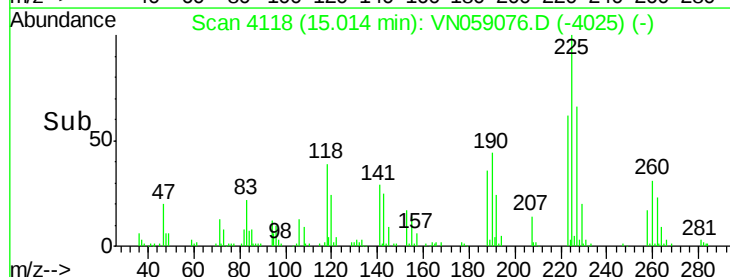
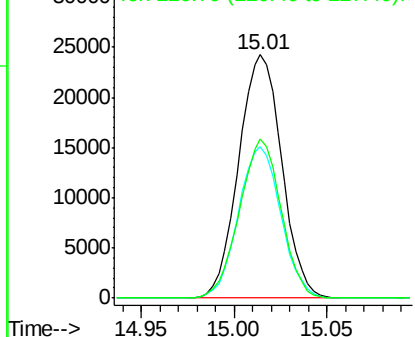


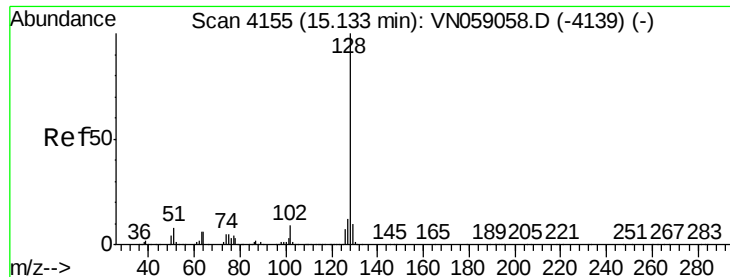
#94
 Hexachlorobutadiene
 Concen: 16.561 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059076.D
 Acq: 4 Nov 2019 11:12

Tgt Ion:225 Resp: 39301
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.6 95.0
 227 63.1 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

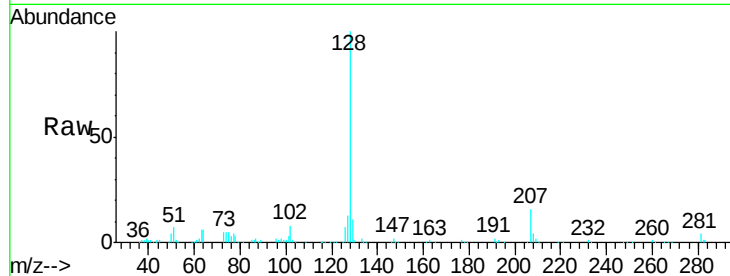




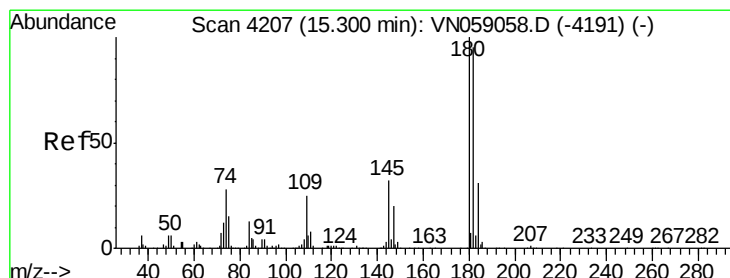
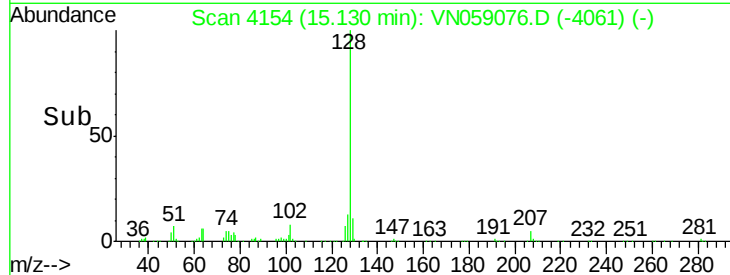
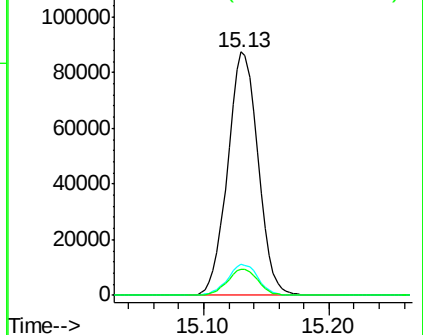
#95
Naphthalene
Concen: 14.218 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Tgt Ion:128 Resp: 147226
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.7 8.4 12.6

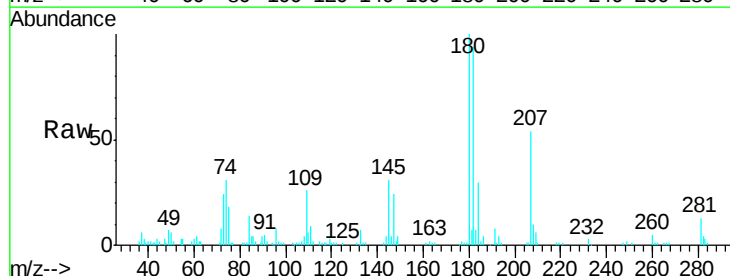


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 14.270 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059076.D
Acq: 4 Nov 2019 11:12

Tgt Ion:180 Resp: 57428
Ion Ratio Lower Upper
180 100
182 94.4 47.7 143.1
145 32.9 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

