

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110419\
 Data File : VN059080.D
 Acq On : 4 Nov 2019 12:40
 Operator : JC/SP
 Sample : VN1104WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

Quant Time: Nov 05 01:19:13 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	472850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	741499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	674421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	311665	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	7.57	113	239524	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.08	98	938970	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.40	95	328690	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	101921	19.936	ug/l 98
3) Chloromethane	2.04	50	134970	19.470	ug/l 99
4) Vinyl Chloride	2.17	62	132634	19.711	ug/l 99
5) Bromomethane	2.55	94	78457	19.722	ug/l 99
6) Chloroethane	2.68	64	78398	19.024	ug/l 100
7) Trichlorofluoromethane	3.00	101	158465	19.819	ug/l 100
8) Diethyl Ether	3.39	74	63924	20.472	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94719	20.098	ug/l 99
10) Methyl Iodide	3.93	142	112937	19.716	ug/l 99
11) Tert butyl alcohol	4.76	59	115565	99.710	ug/l 99
12) 1,1-Dichloroethene	3.71	96	91796	19.585	ug/l 96
13) Acrolein	3.58	56	68437	93.578	ug/l 98
14) Allyl chloride	4.30	41	185890	20.015	ug/l 99
15) Acrylonitrile	4.95	53	298358	102.620	ug/l 100
16) Acetone	3.79	43	325820	102.770	ug/l 99
17) Carbon Disulfide	4.03	76	283406	19.019	ug/l 98
18) Methyl Acetate	4.30	43	151995	18.924	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	321692	20.151	ug/l 100
20) Methylene Chloride	4.53	84	109792	19.782	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	100526	19.978	ug/l 99
22) Diisopropyl ether	5.92	45	367573	20.778	ug/l 98
23) Vinyl Acetate	5.87	43	1508333	107.049	ug/l 99
24) 1,1-Dichloroethane	5.82	63	202907	20.062	ug/l 98
25) 2-Butanone	6.81	43	422302	100.036	ug/l 100
26) 2,2-Dichloropropane	6.80	77	170852	19.462	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	114934	20.286	ug/l 100
28) Bromochloromethane	7.17	49	57871	18.540	ug/l 100
29) Tetrahydrofuran	7.19	42	269244	101.060	ug/l 99
30) Chloroform	7.35	83	194843	20.146	ug/l 98
31) Cyclohexane	7.64	56	188335	19.522	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	166325	20.326	ug/l 99
36) 1,1-Dichloropropene	7.77	75	147978	20.079	ug/l 99
37) Ethyl Acetate	6.91	43	165403	20.200	ug/l 100
38) Carbon Tetrachloride	7.75	117	142711	19.870	ug/l 100

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	170278	19.990	ug/l	99
40) Benzene	8.02	78	441627	20.192	ug/l	100
41) Methacrylonitrile	7.14	41	66209	18.699	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	155217	20.435	ug/l	98
43) Isopropyl Acetate	8.15	43	254764	19.895	ug/l	100
44) Trichloroethene	8.82	130	108213	20.110	ug/l	95
45) 1,2-Dichloropropane	9.10	63	121335	20.514	ug/l	99
46) Dibromomethane	9.19	93	73561	20.123	ug/l	99
47) Bromodichloromethane	9.39	83	148167	20.013	ug/l	99
48) Methyl methacrylate	9.19	41	113005	19.355	ug/l	99
49) 1,4-Dioxane	9.18	88	40311	423.251	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	811775	109.128	ug/l	98
52) Toluene	10.15	92	267247	20.854	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	168792	19.717	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	184115	20.390	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104020	19.926	ug/l	99
56) Ethyl methacrylate	10.42	69	156956	18.917	ug/l	99
57) 1,3-Dichloropropane	10.70	76	184251	20.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	322077	100.887	ug/l	99
59) 2-Hexanone	10.75	43	599677	106.115	ug/l	99
60) Dibromochloromethane	10.90	129	113551	20.184	ug/l	99
61) 1,2-Dibromoethane	11.00	107	107564	20.339	ug/l	99
64) Tetrachloroethene	10.63	164	97074	20.605	ug/l	98
65) Chlorobenzene	11.43	112	276366	19.966	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	104646	20.549	ug/l	99
67) Ethyl Benzene	11.51	91	499990	20.866	ug/l	100
68) m/p-Xylenes	11.62	106	369914	41.342	ug/l	100
69) o-Xylene	11.95	106	177754	20.804	ug/l	98
70) Styrene	11.96	104	279178	20.163	ug/l	99
71) Bromoform	12.13	173	77916	19.767	ug/l #	99
73) Isopropylbenzene	12.25	105	475021	20.931	ug/l	100
74) N-amyl acetate	12.07	43	201168	19.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	158945	19.661	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	212922	29.167	ug/l #	100
77) Bromobenzene	12.53	156	113757	20.047	ug/l	99
78) n-propylbenzene	12.59	91	554028	21.078	ug/l	99
79) 2-Chlorotoluene	12.68	91	330767	20.266	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	403143	20.901	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53999	18.963	ug/l	93
82) 4-Chlorotoluene	12.78	91	333198	20.004	ug/l	98
83) tert-Butylbenzene	13.00	119	345150	21.065	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	392407	20.938	ug/l	99
85) sec-Butylbenzene	13.17	105	454415	21.161	ug/l	100
86) p-Isopropyltoluene	13.29	119	401996	20.764	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	198410	19.679	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	199739	20.028	ug/l	99
89) n-Butylbenzene	13.62	91	345209	20.464	ug/l	99
90) Hexachloroethane	13.88	117	76578	19.898	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	198152	19.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33518	19.195	ug/l	93

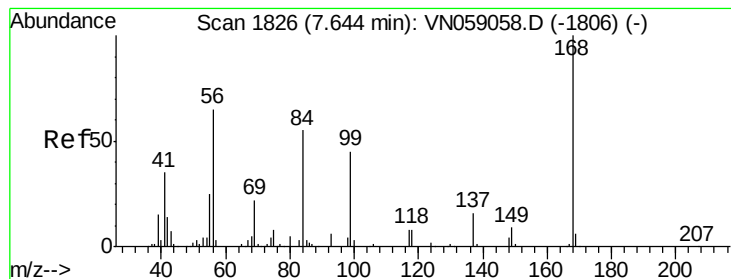
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	106213	19.629	ug/l	100
94) Hexachlorobutadiene	15.01	225	64824	19.961	ug/l	100
95) Naphthalene	15.13	128	294128	19.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	110126	19.998	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

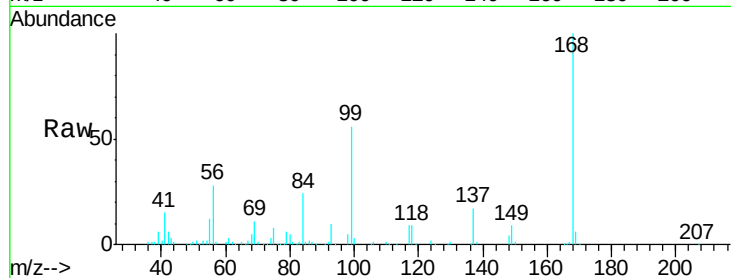
VN1104WBSD02

Tgt Ion:168 Resp: 472850

Ion Ratio Lower Upper

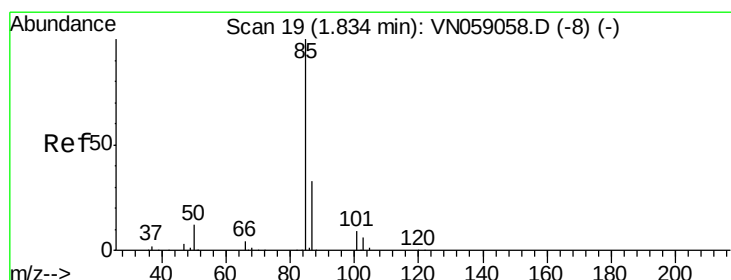
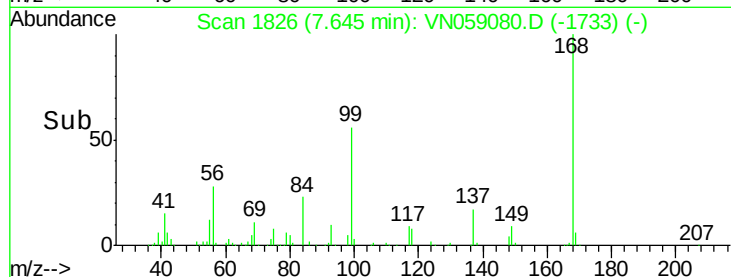
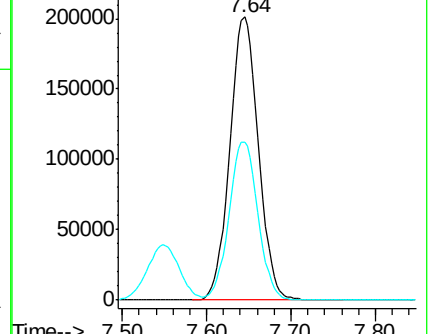
168 100

99 55.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059080.D

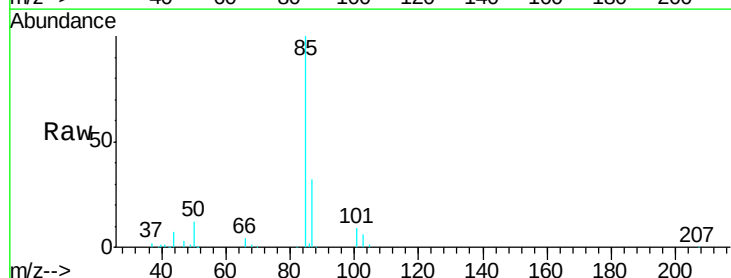
Acq: 4 Nov 2019 12:40

Tgt Ion: 85 Resp: 101921

Ion Ratio Lower Upper

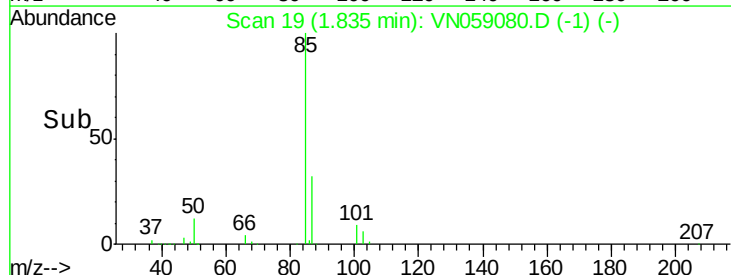
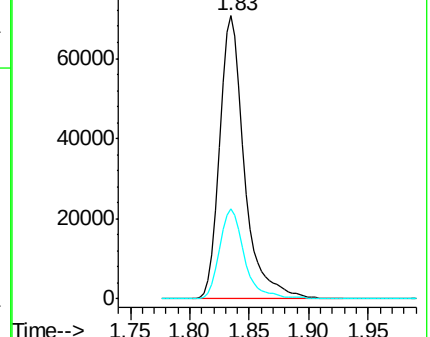
85 100

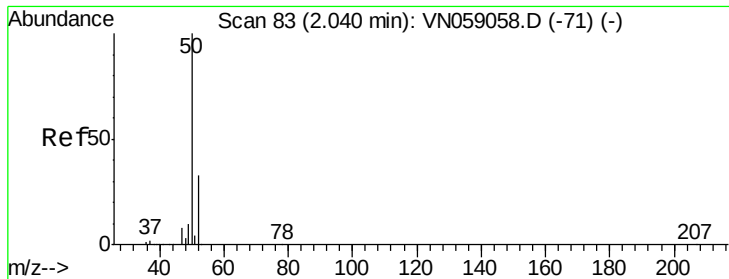
87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.470 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampled :

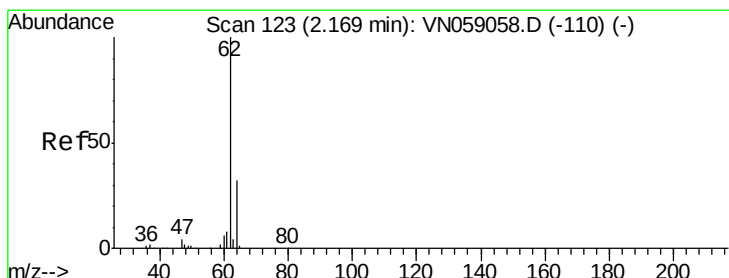
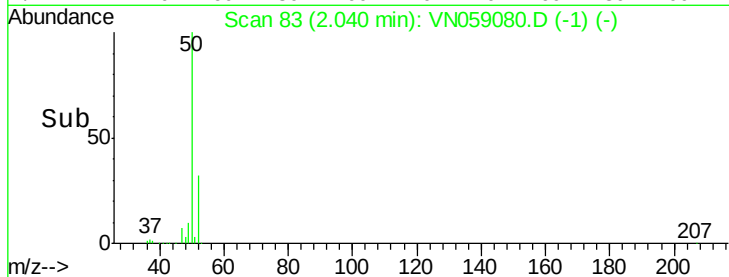
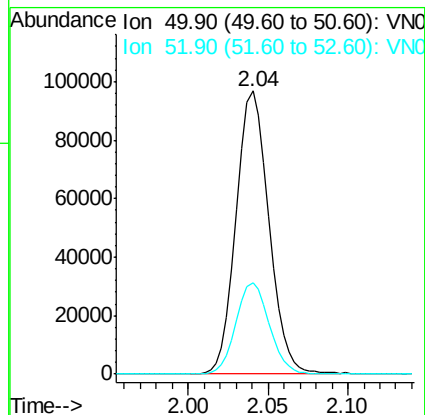
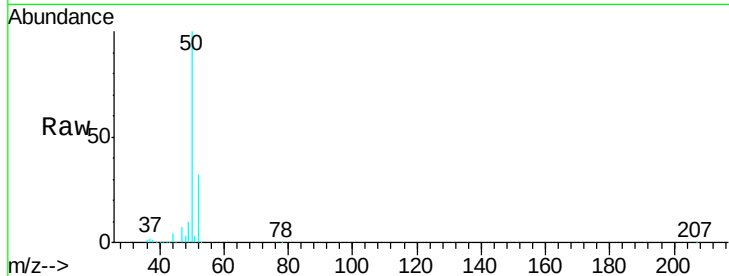
VN1104WBSD02

Tgt Ion: 50 Resp: 134970

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 19.711 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059080.D

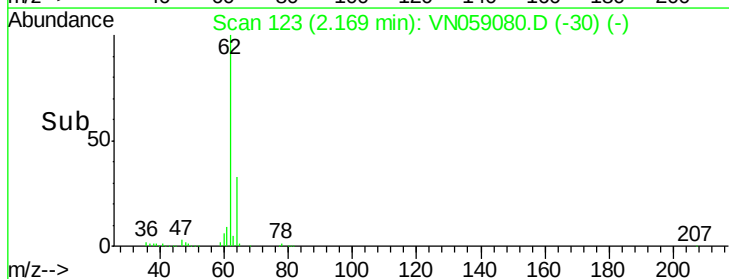
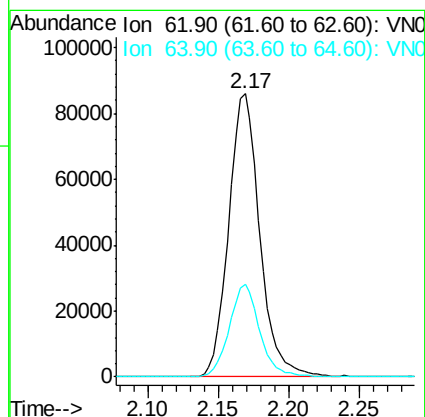
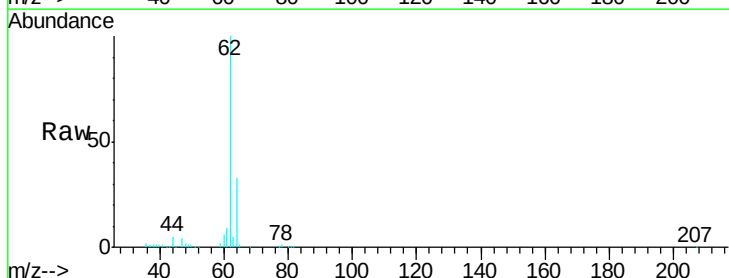
Acq: 4 Nov 2019 12:40

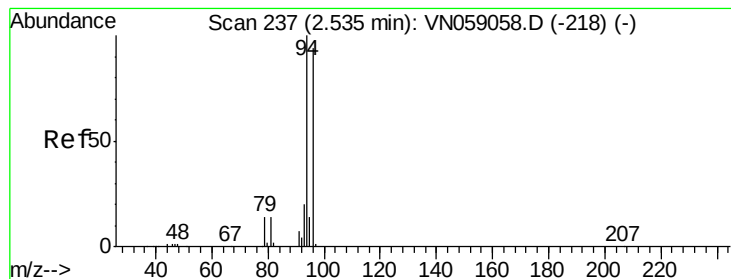
Tgt Ion: 62 Resp: 132634

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 19.722 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

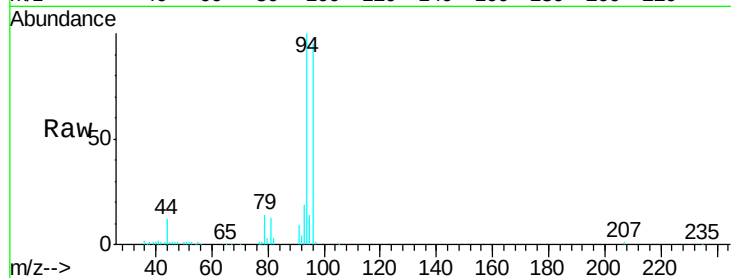
VN1104WBSD02

Tgt Ion: 94 Resp: 78457

Ion Ratio Lower Upper

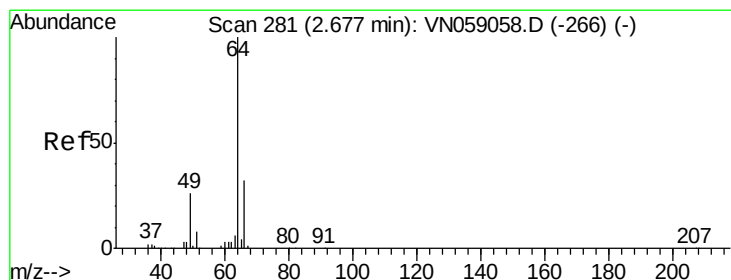
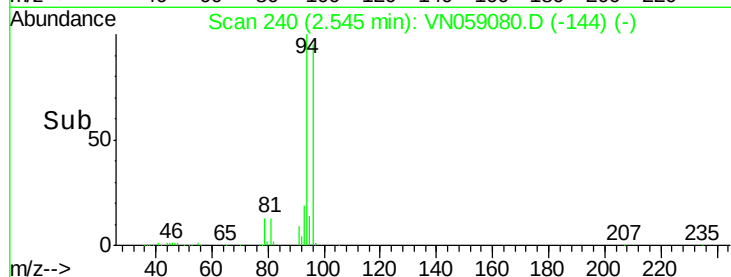
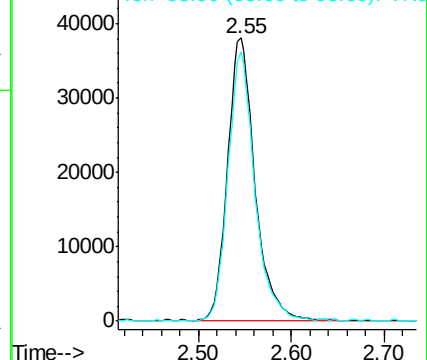
94 100

96 95.2 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: 19.024 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059080.D

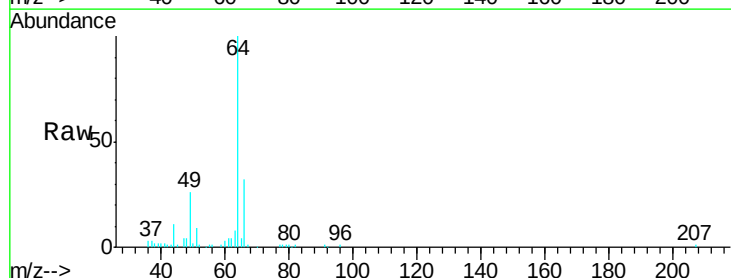
Acq: 4 Nov 2019 12:40

Tgt Ion: 64 Resp: 78398

Ion Ratio Lower Upper

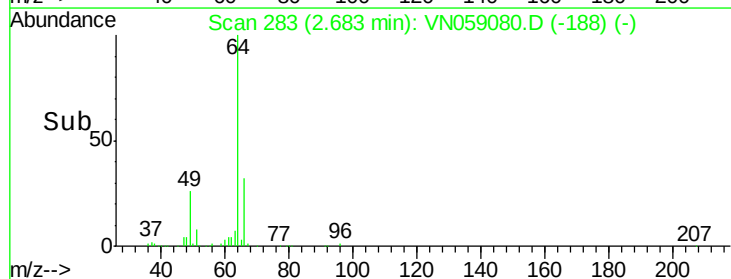
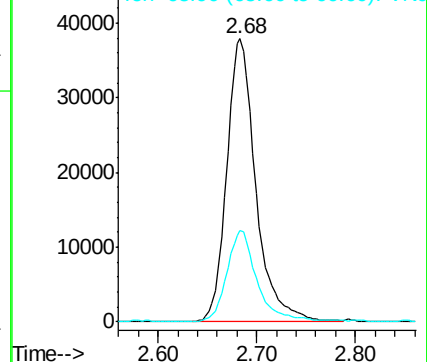
64 100

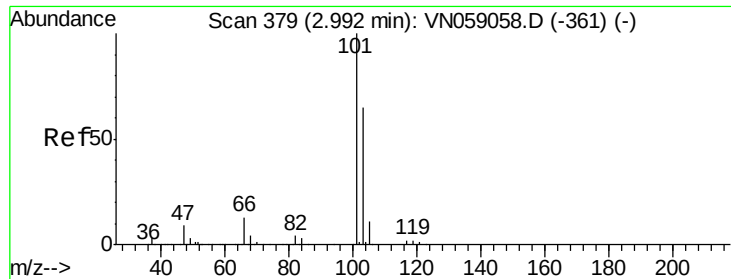
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



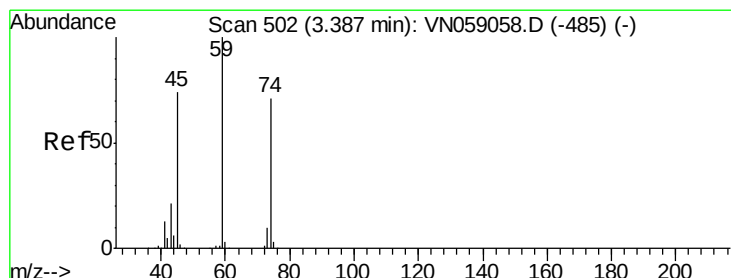
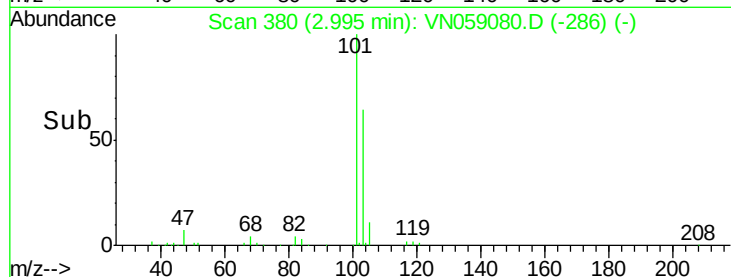
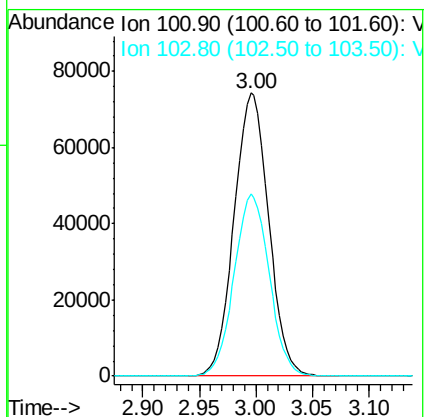
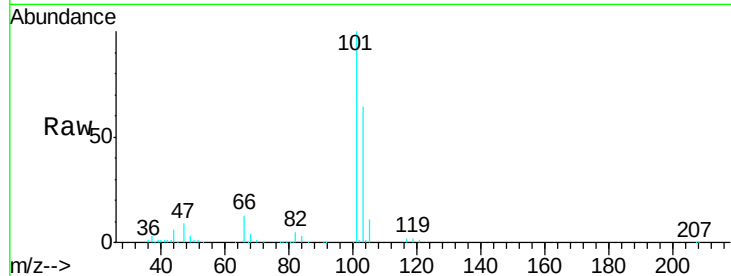


#7

Trichlorofluoromethane
Concen: 19.819 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

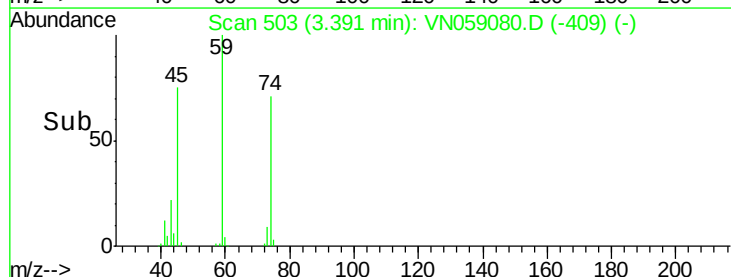
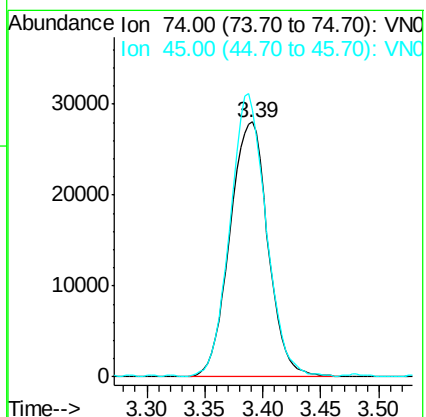
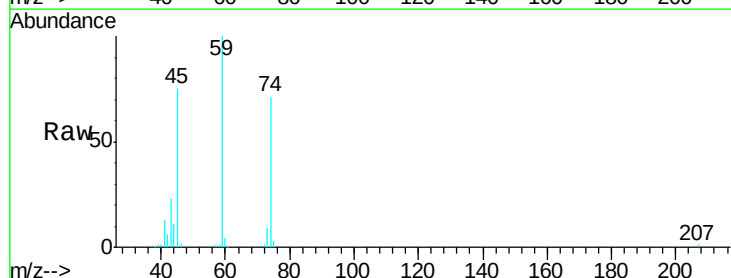
Tgt Ion:101 Resp: 158465
Ion Ratio Lower Upper
101 100
103 64.2 51.7 77.5

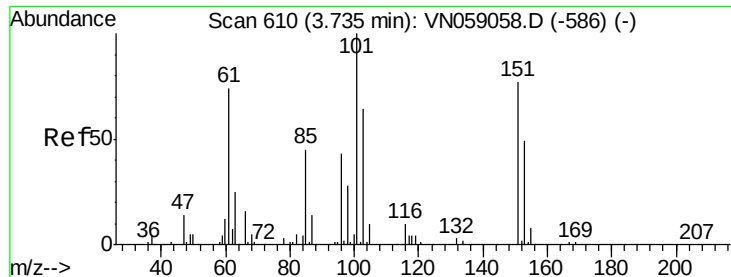


#8

Diethyl Ether
Concen: 20.472 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 74 Resp: 63924
Ion Ratio Lower Upper
74 100
45 105.2 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.098 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

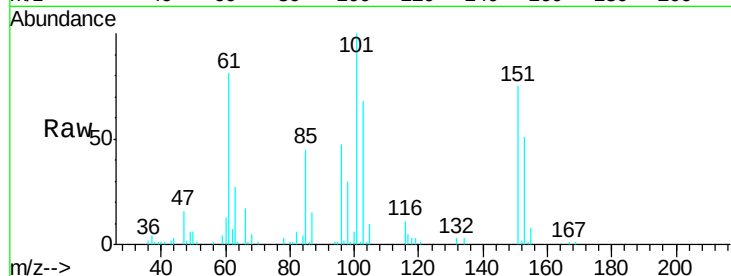
Tgt Ion:101 Resp: 94719

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.6

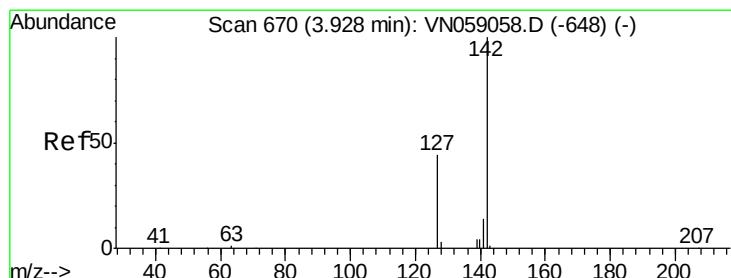
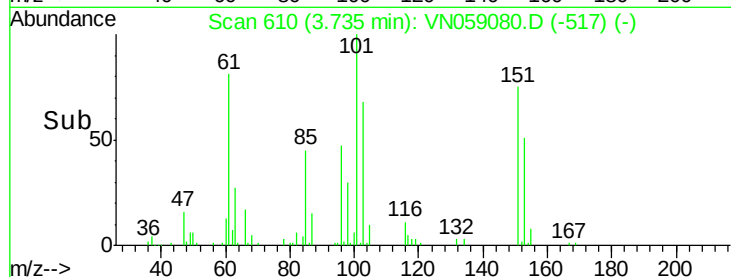
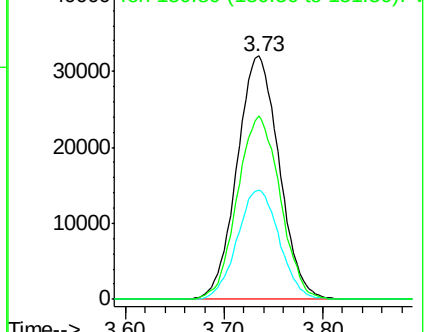
151 76.4 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.716 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

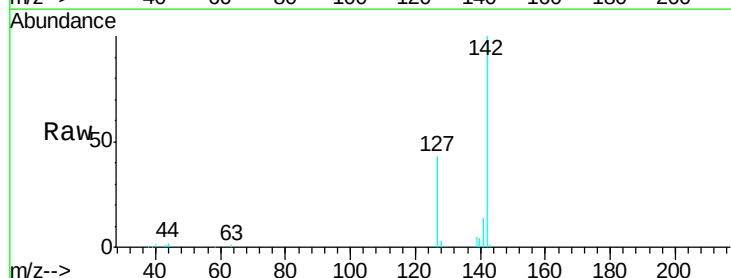
Tgt Ion:142 Resp: 112937

Ion Ratio Lower Upper

142 100

127 43.5 34.2 51.2

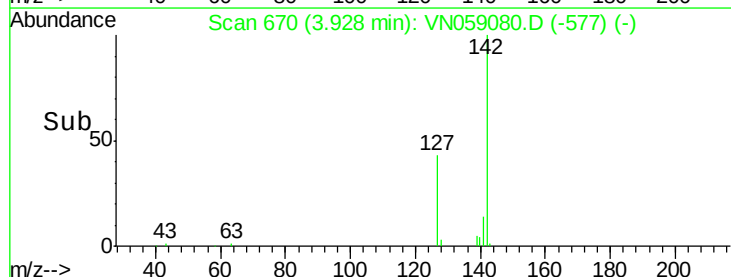
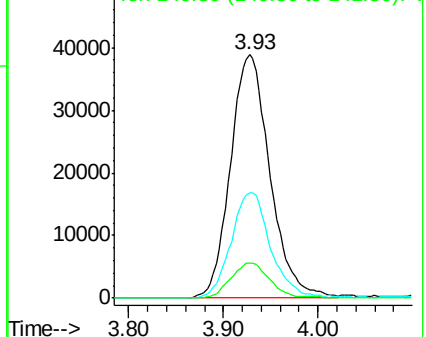
141 14.3 11.1 16.7

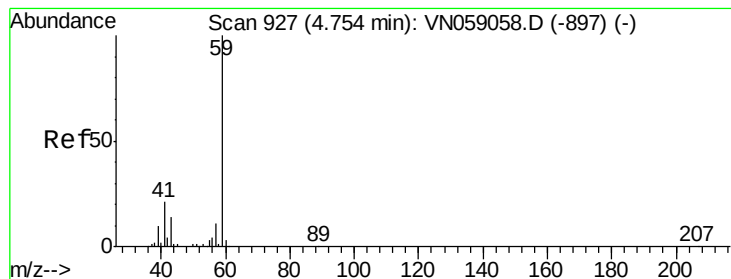


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.710 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

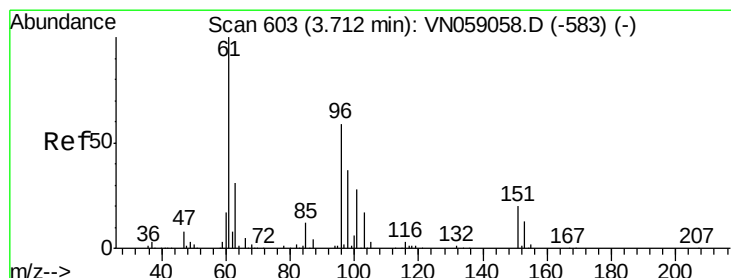
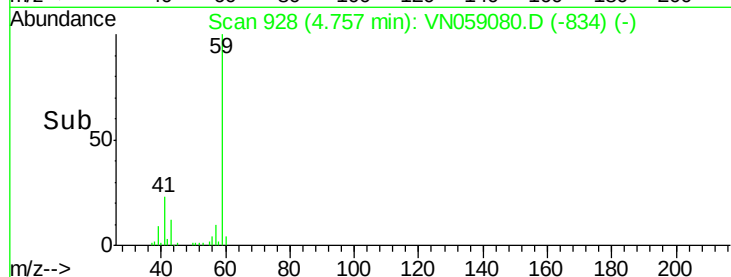
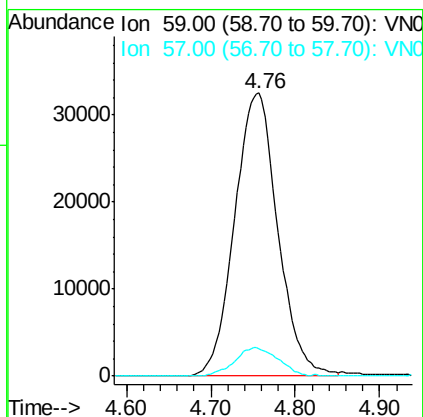
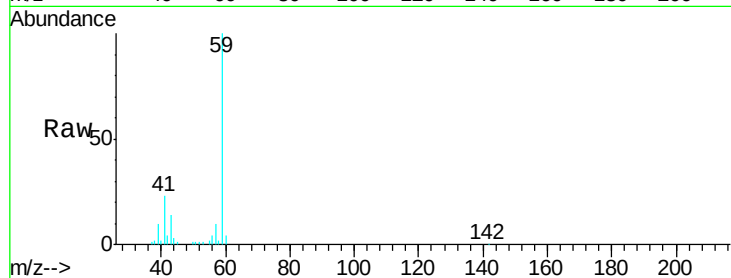
VN1104WBSD02

Tgt Ion: 59 Resp: 115565

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.4



#12

1,1-Dichloroethene

Concen: 19.585 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

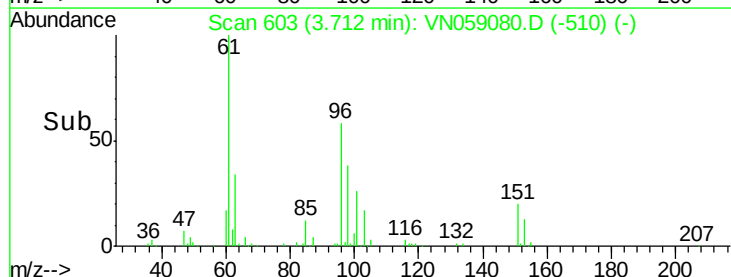
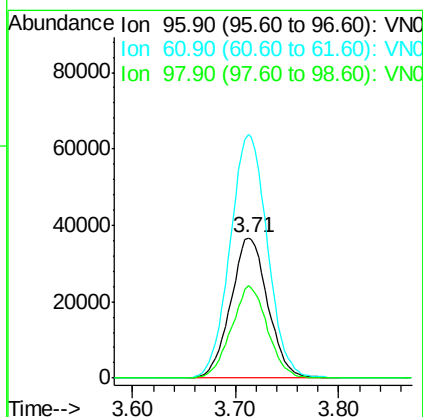
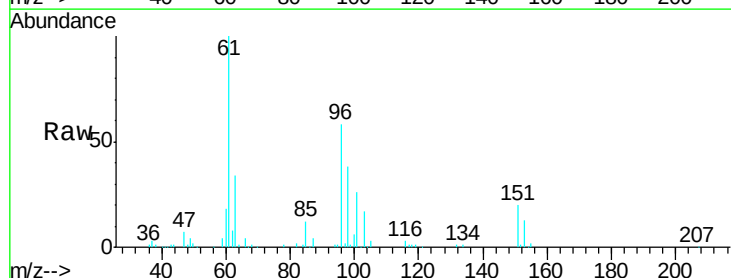
Tgt Ion: 96 Resp: 91796

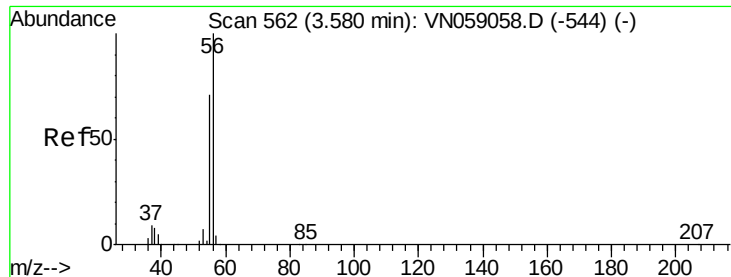
Ion Ratio Lower Upper

96 100

61 173.5 135.3 202.9

98 65.6 49.4 74.2





#13

Acrolein

Concen: 93.578 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

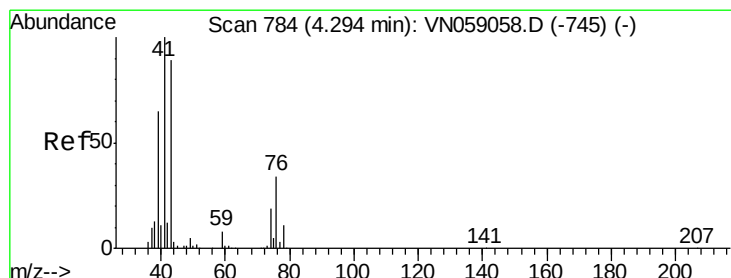
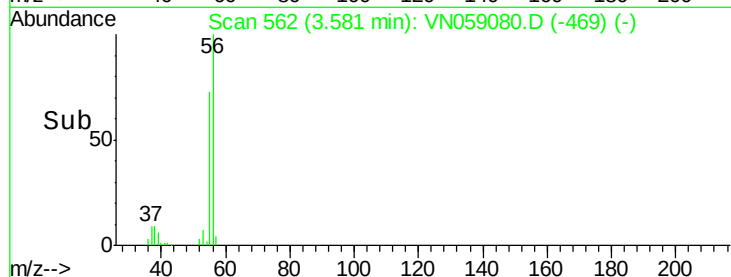
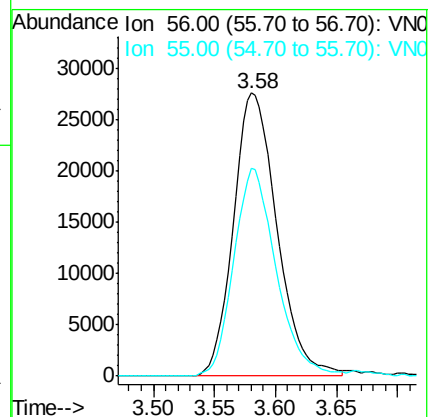
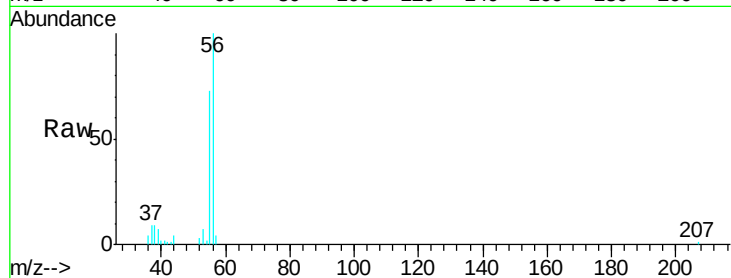
VN1104WBSD02

Tgt Ion: 56 Resp: 68437

Ion Ratio Lower Upper

56 100

55 71.5 56.1 84.1



#14

Allyl chloride

Concen: 20.015 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

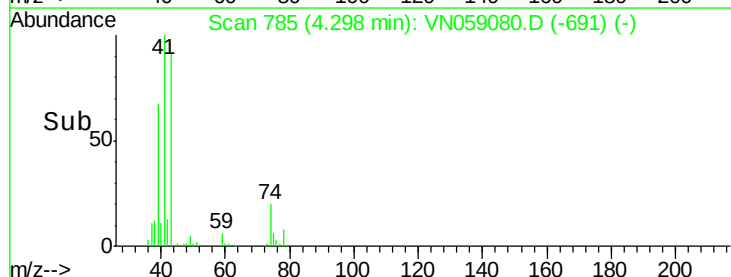
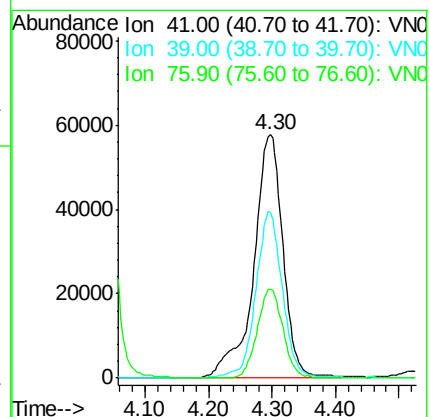
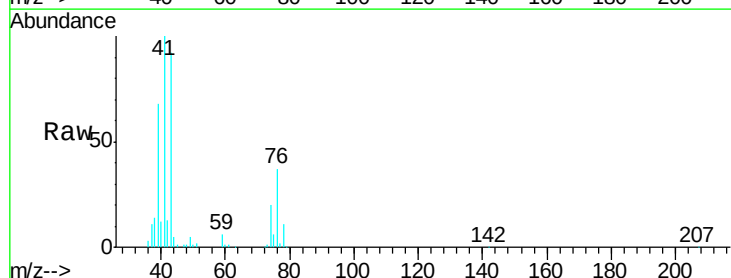
Tgt Ion: 41 Resp: 185890

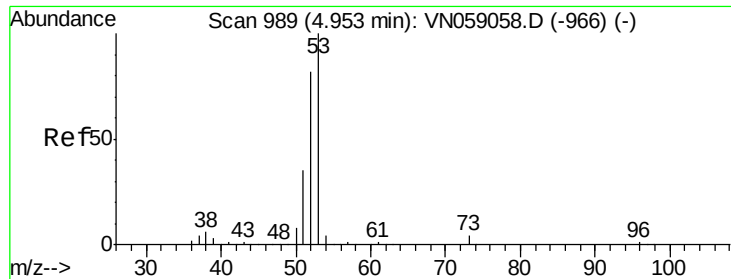
Ion Ratio Lower Upper

41 100

39 61.9 49.4 74.2

76 31.9 24.6 37.0





#15

Acrylonitrile

Concen: 102.620 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

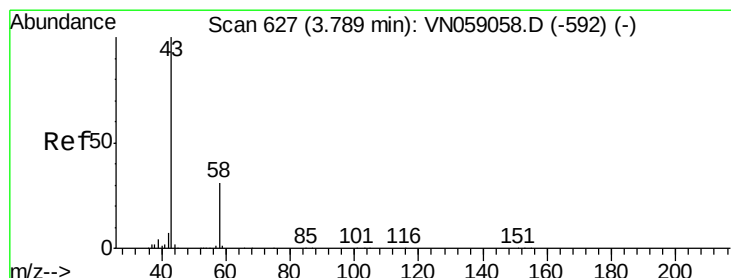
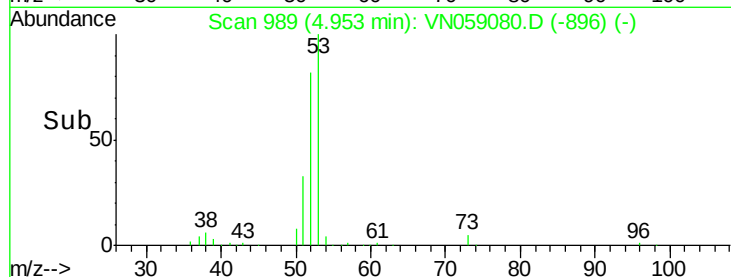
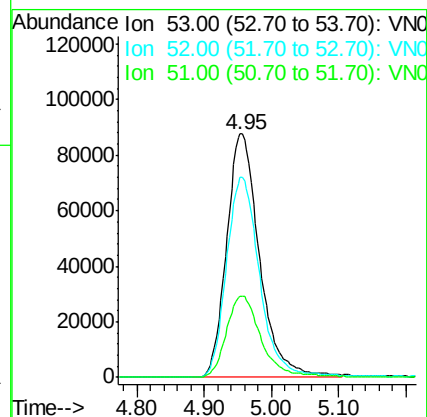
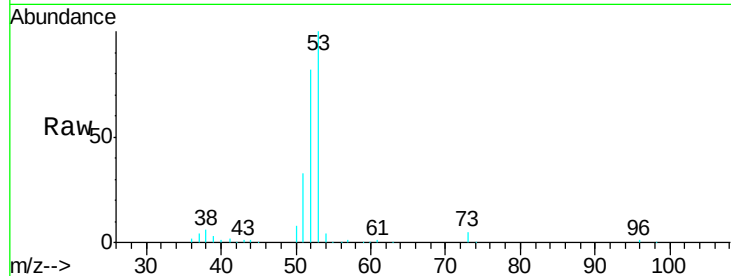
Tgt Ion: 53 Resp: 298358

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

51 34.6 28.3 42.5



#16

Acetone

Concen: 102.770 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059080.D

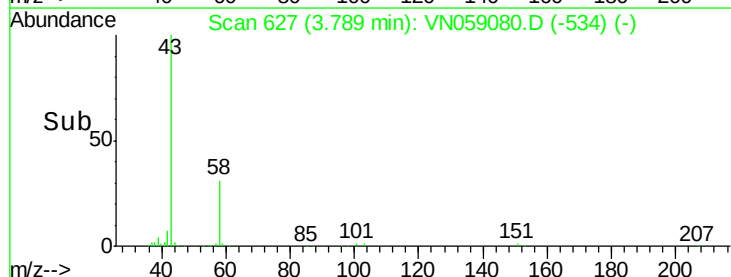
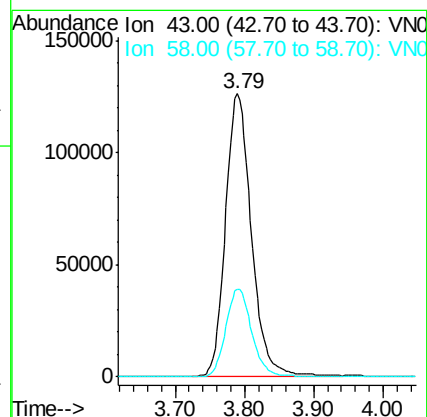
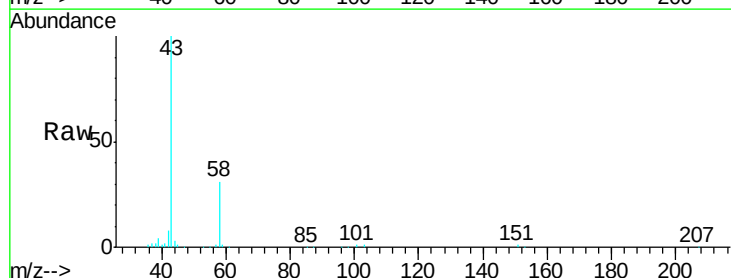
Acq: 4 Nov 2019 12:40

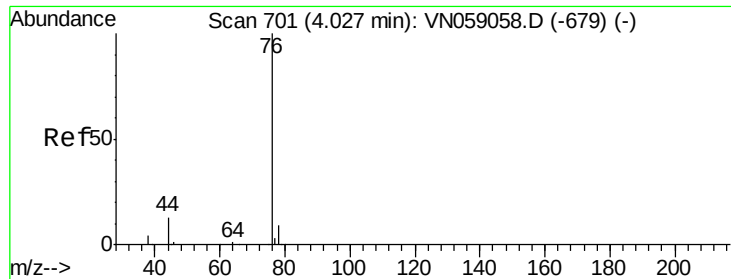
Tgt Ion: 43 Resp: 325820

Ion Ratio Lower Upper

43 100

58 30.9 25.0 37.6

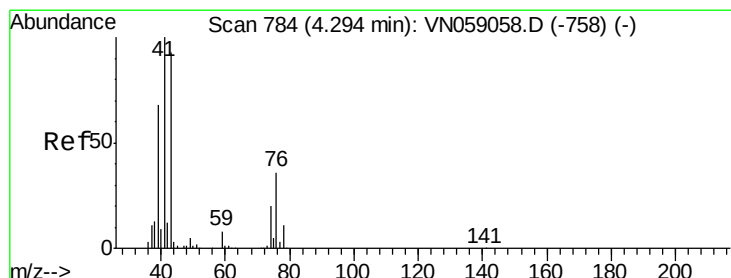
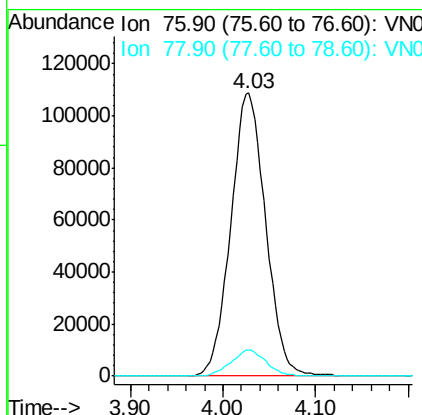
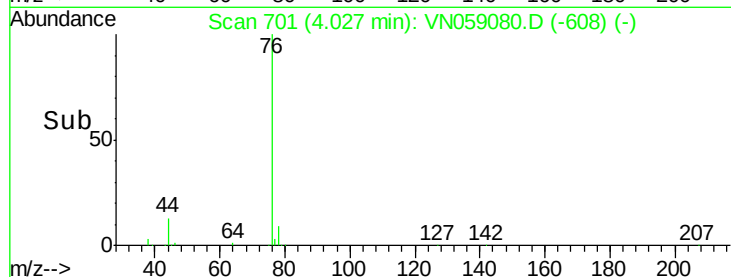
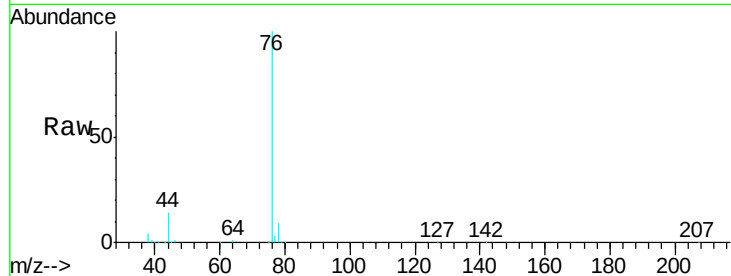




#17
Carbon Disulfide
Concen: 19.019 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

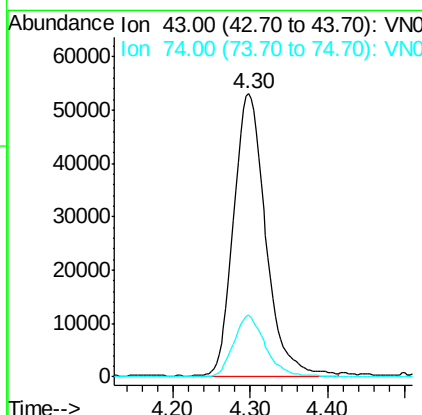
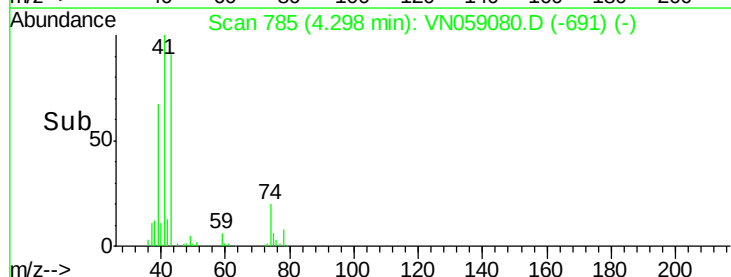
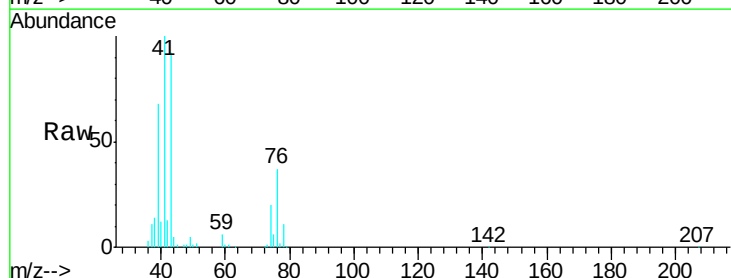
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

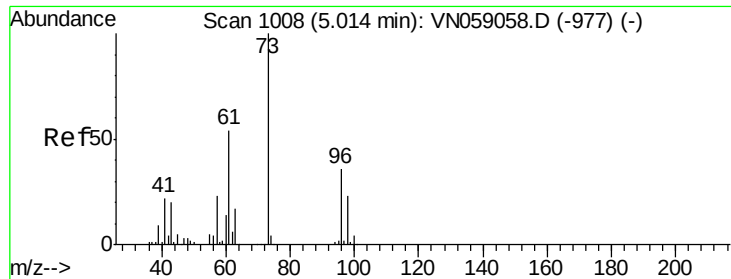
Tgt Ion: 76 Resp: 283406
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 18.924 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 43 Resp: 151995
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 20.151 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

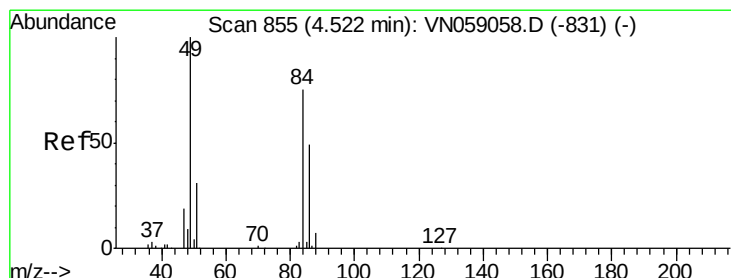
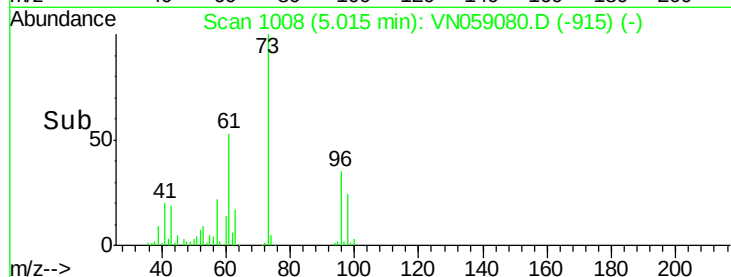
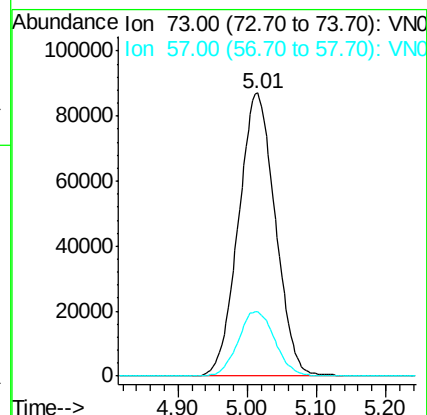
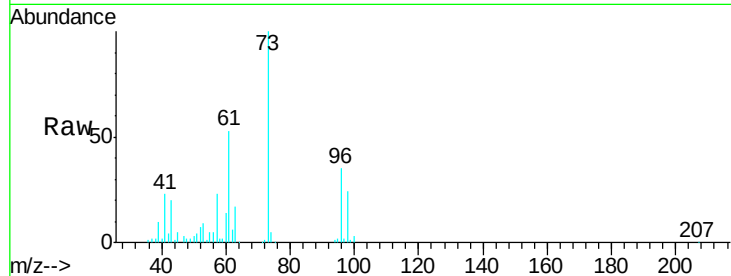
VN1104WBSD02

Tgt Ion: 73 Resp: 321692

Ion Ratio Lower Upper

73 100

57 22.9 18.4 27.6



#20

Methylene Chloride

Concen: 19.782 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Tgt Ion: 84 Resp: 109792

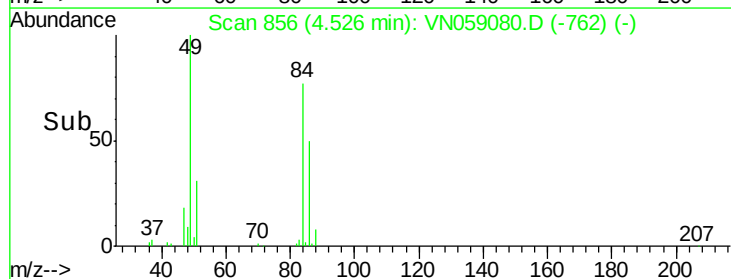
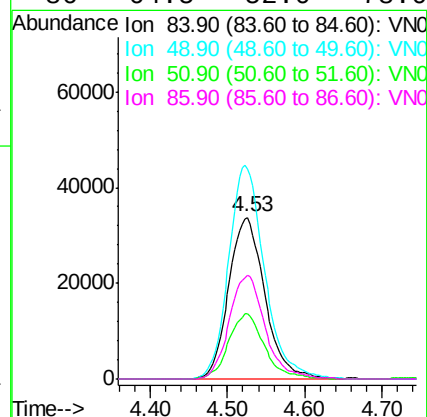
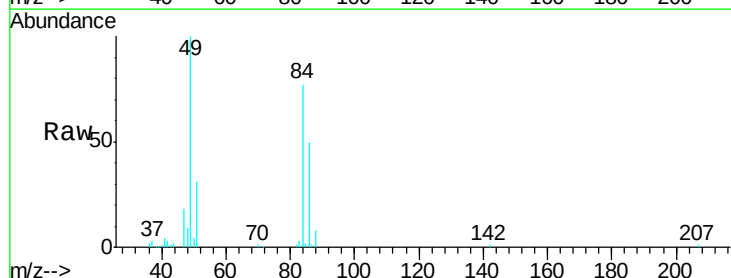
Ion Ratio Lower Upper

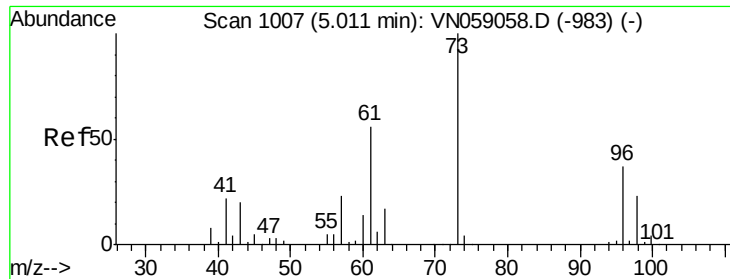
84 100

49 130.0 106.4 159.6

51 40.1 33.0 49.4

86 64.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.978 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

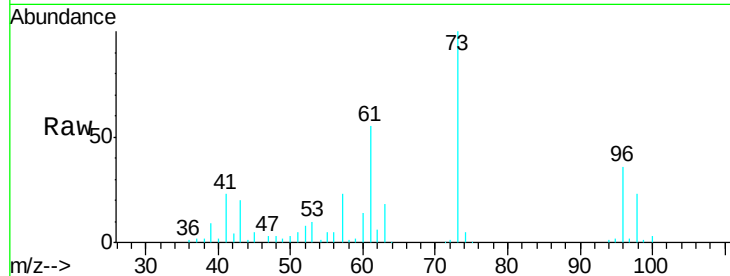
Tgt Ion: 96 Resp: 100526

Ion Ratio Lower Upper

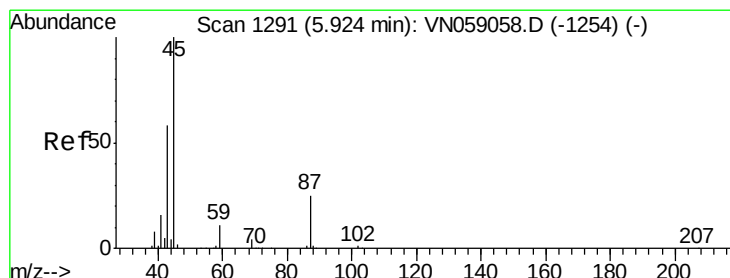
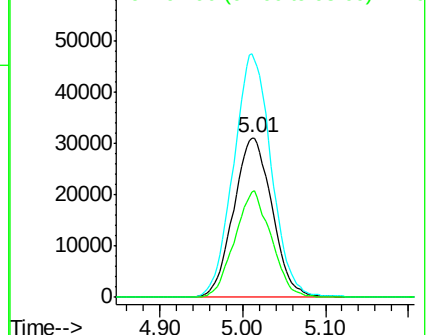
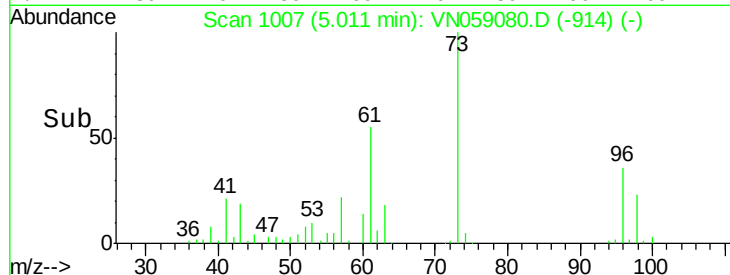
96 100

61 153.0 121.7 182.5

98 65.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN059080.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.778 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Tgt Ion: 45 Resp: 367573

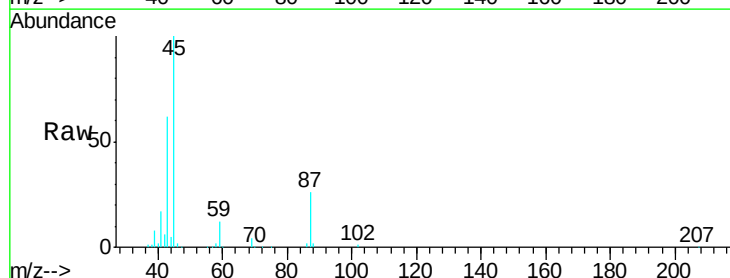
Ion Ratio Lower Upper

45 100

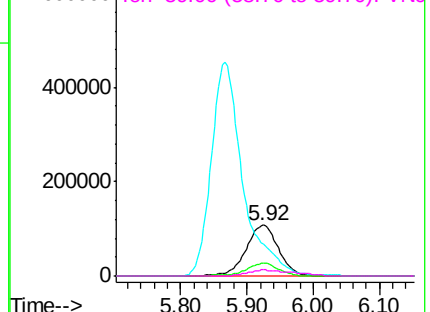
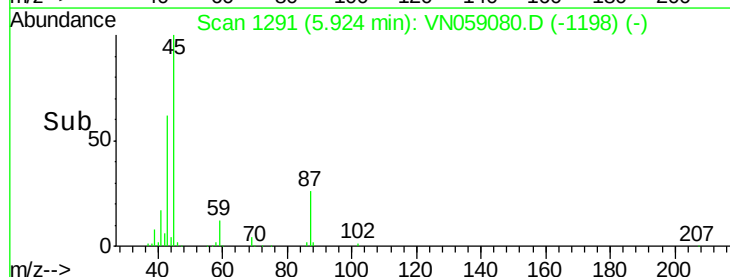
43 60.9 46.9 70.3

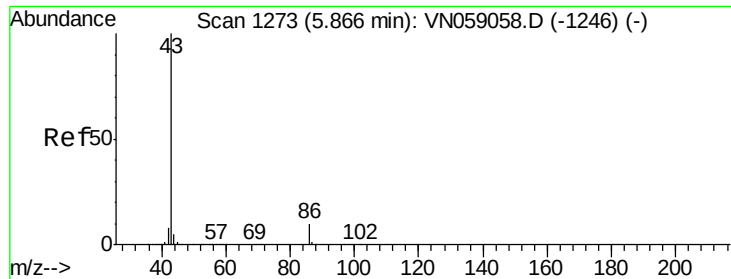
87 25.8 20.1 30.1

59 11.4 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN059080.D (-1198) (-)





#23

Vinyl Acetate

Concen: 107.049 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

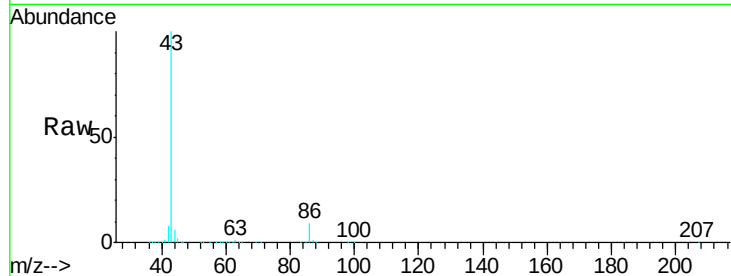
VN1104WBSD02

Tgt Ion: 43 Resp: 1508333

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059080.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059080.D (-1180) (-)

5.87

500000

400000

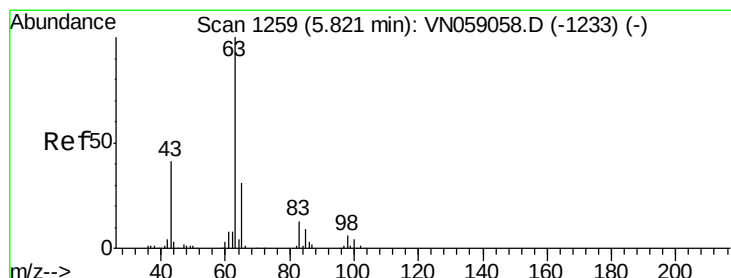
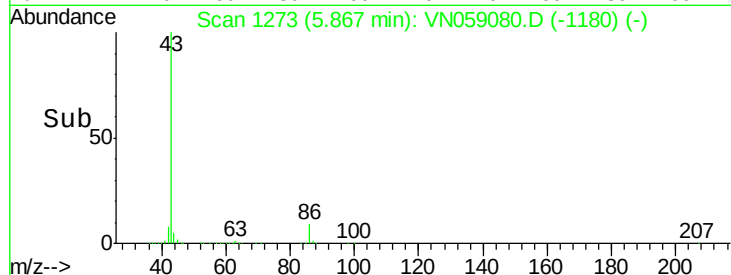
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.062 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

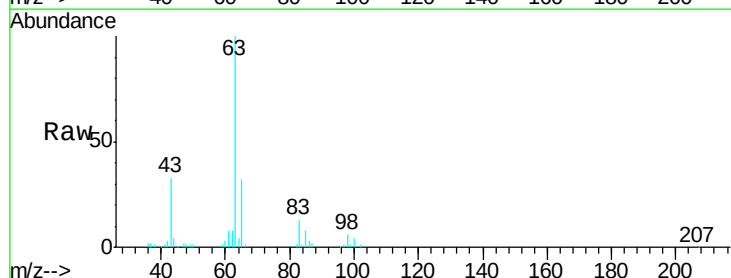
Tgt Ion: 63 Resp: 202907

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059080.D (-1166) (-)

Ion 97.90 (97.60 to 98.60): VN059080.D (-1166) (-)

Ion 99.90 (99.60 to 100.60): VN059080.D (-1166) (-)

80000

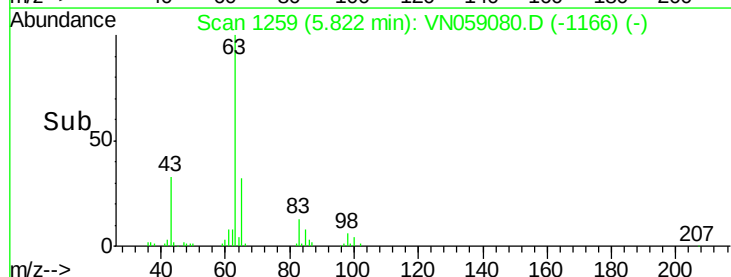
60000

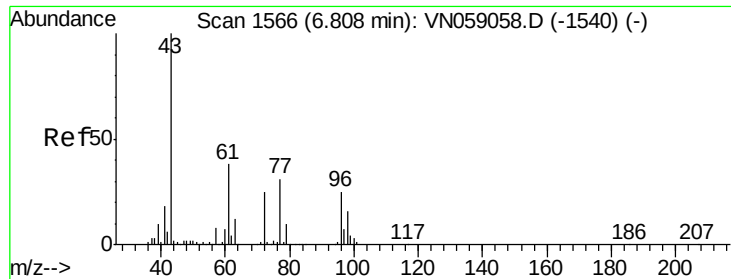
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 100.036 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

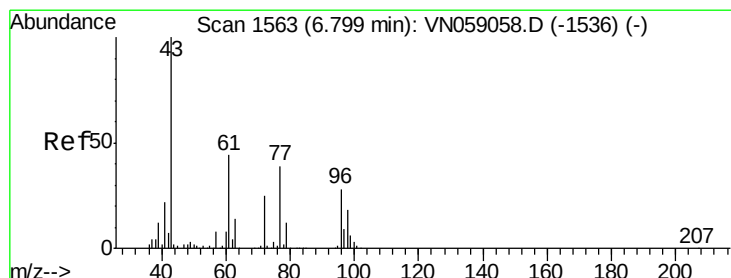
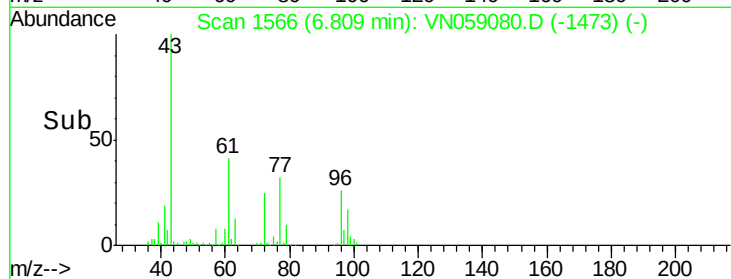
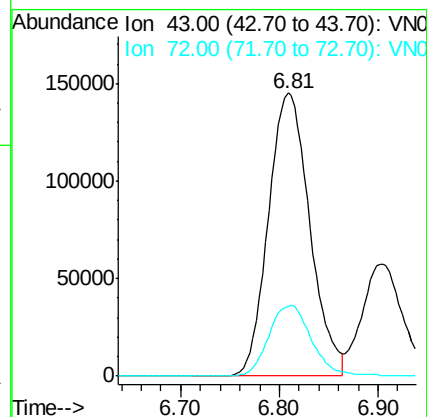
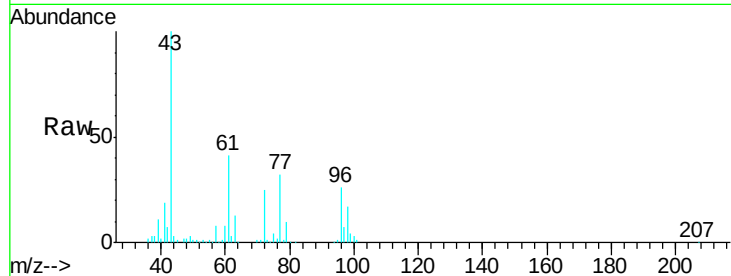
VN1104WBSD02

Tgt Ion: 43 Resp: 422302

Ion Ratio Lower Upper

43 100

72 24.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.462 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059080.D

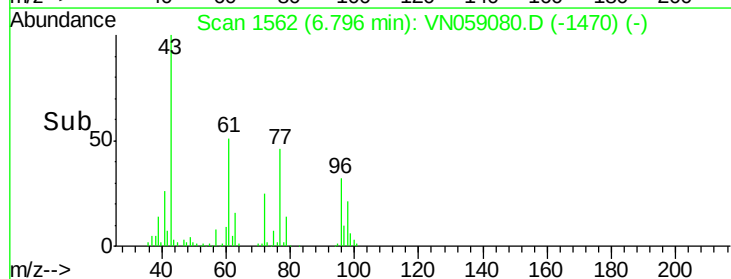
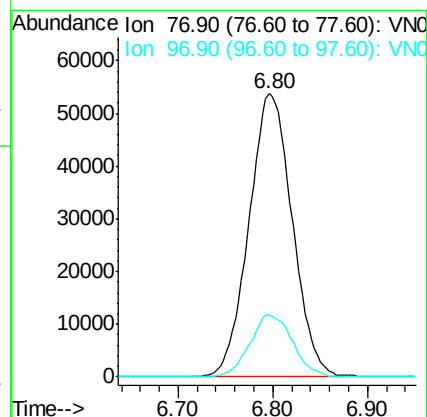
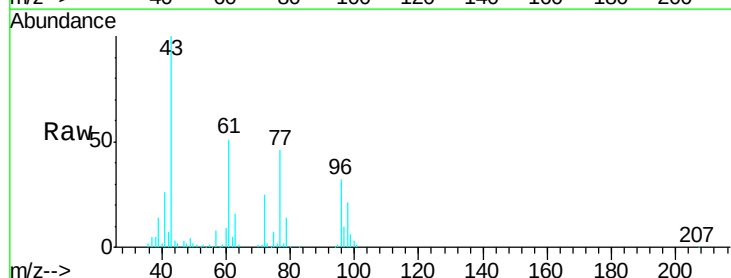
Acq: 4 Nov 2019 12:40

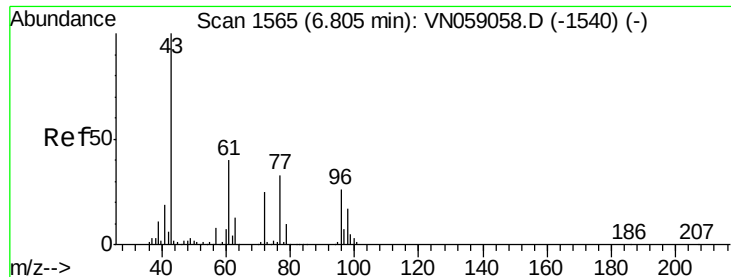
Tgt Ion: 77 Resp: 170852

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

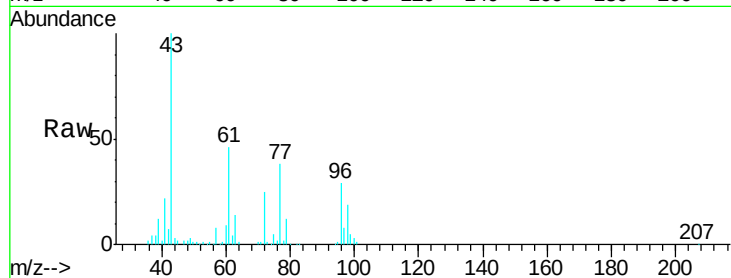
Tgt Ion: 96 Resp: 114934

Ion Ratio Lower Upper

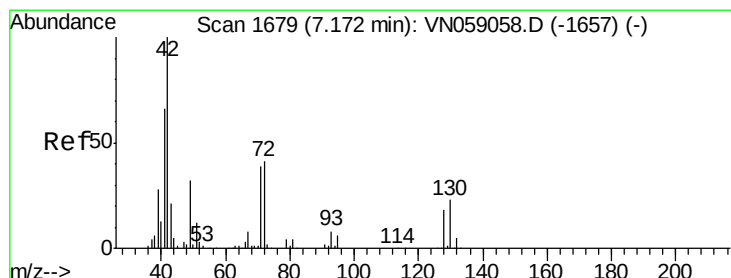
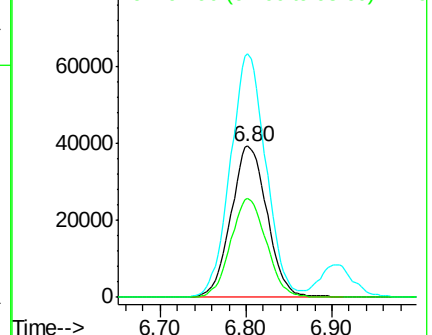
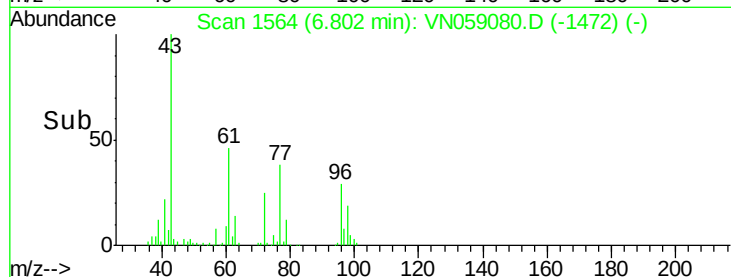
96 100

61 158.4 0.0 316.4

98 64.7 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059080.D (-1472) (-)



#28

Bromochloromethane

Concen: 18.540 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

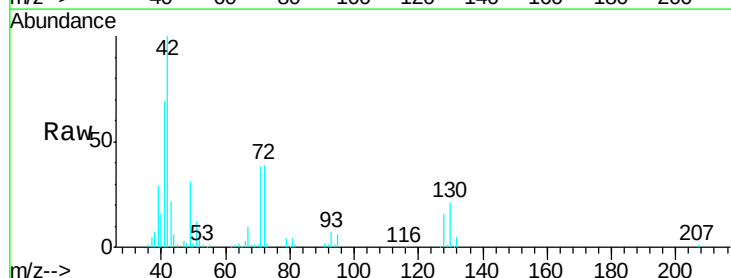
Tgt Ion: 49 Resp: 57871

Ion Ratio Lower Upper

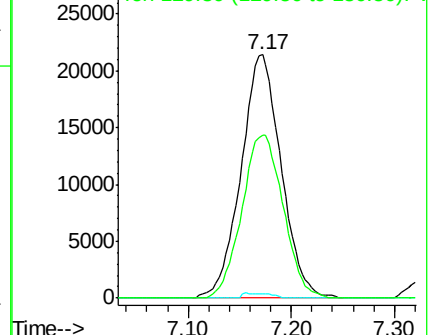
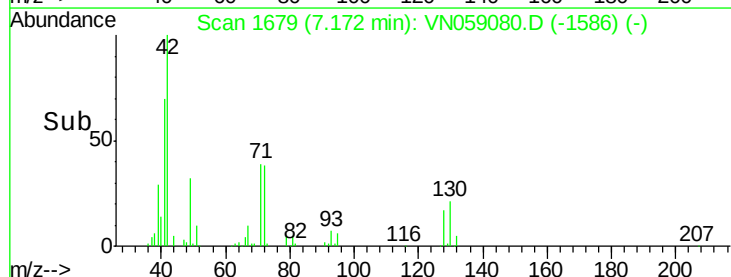
49 100

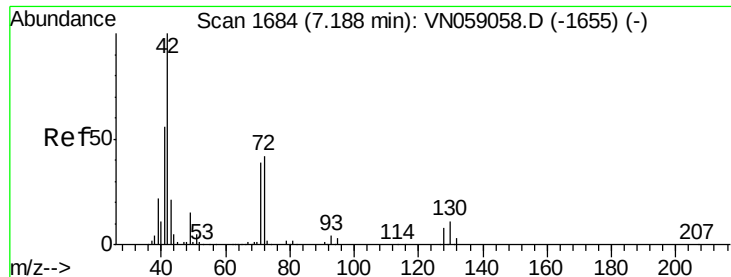
129 0.5 0.0 3.4

130 69.0 55.0 82.6



Abundance Ion 48.90 (48.60 to 49.60): VN059080.D (-1586) (-)





#29

Tetrahydrofuran

Concen: 101.060 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

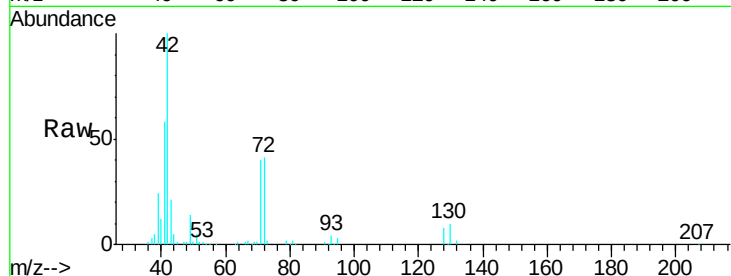
Tgt Ion: 42 Resp: 269244

Ion Ratio Lower Upper

42 100

72 41.5 32.7 49.1

71 39.3 31.2 46.8

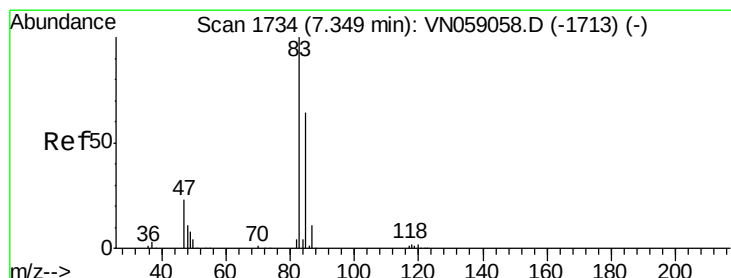
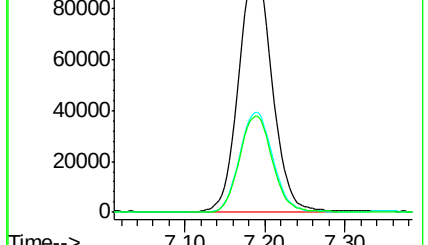
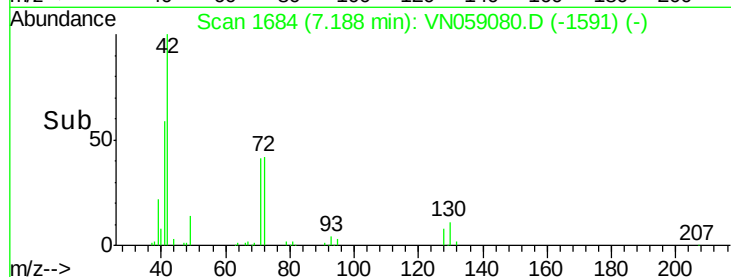


Abundance Ion 42.00 (41.70 to 42.70): VN059058.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN059058.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN059058.D (-1655) (-)

Time-->



#30

Chloroform

Concen: 20.146 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059080.D

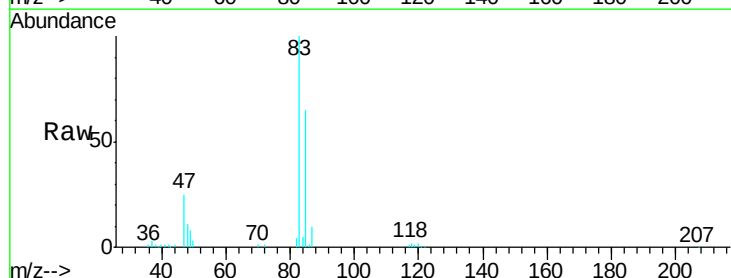
Acq: 4 Nov 2019 12:40

Tgt Ion: 83 Resp: 194843

Ion Ratio Lower Upper

83 100

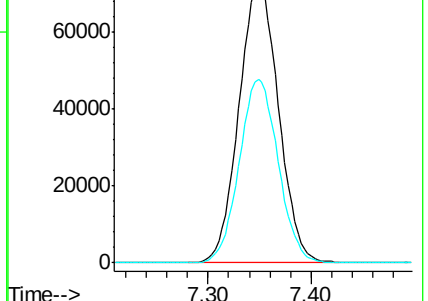
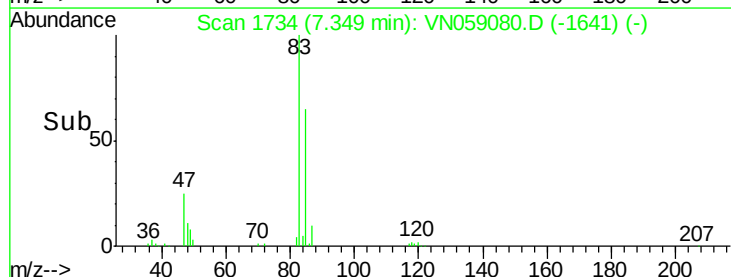
85 65.0 50.9 76.3

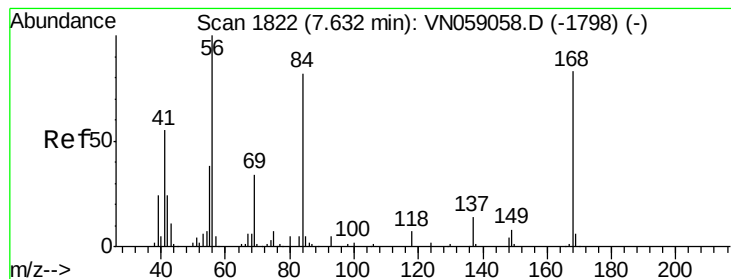


Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-1713) (-)

Time-->





#31

Cyclohexane

Concen: 19.522 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

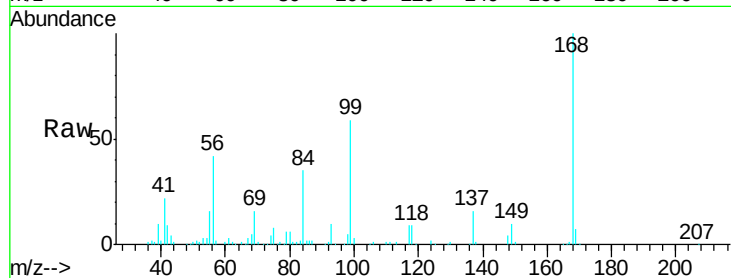
Tgt Ion: 56 Resp: 188335

Ion Ratio Lower Upper

56 100

69 37.7 27.2 40.8

84 82.3 65.2 97.8

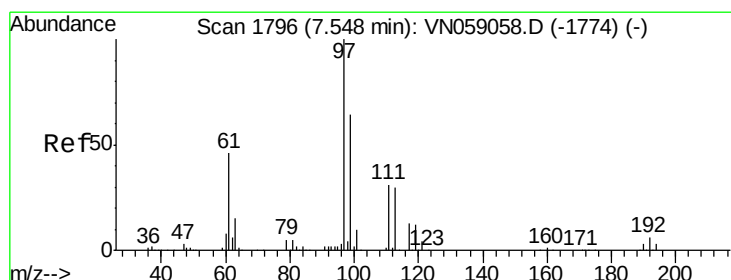
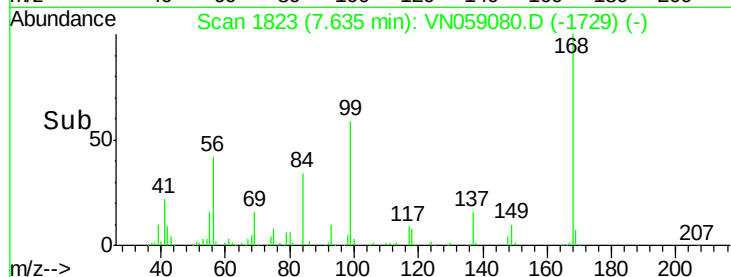
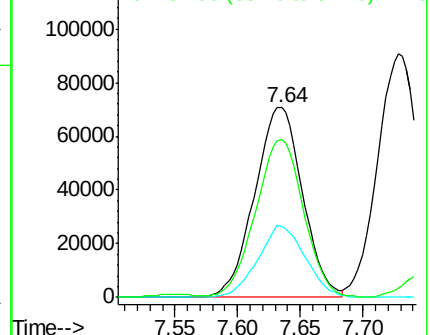


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.326 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

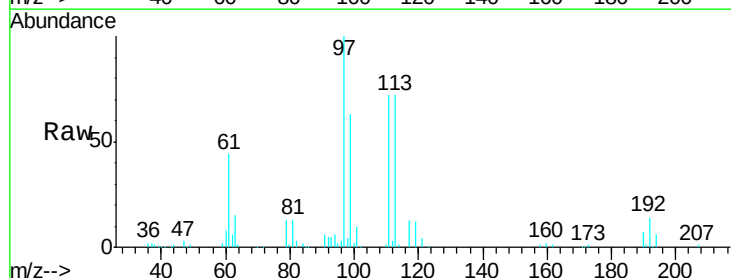
Tgt Ion: 97 Resp: 166325

Ion Ratio Lower Upper

97 100

99 63.3 50.7 76.1

61 46.1 36.3 54.5

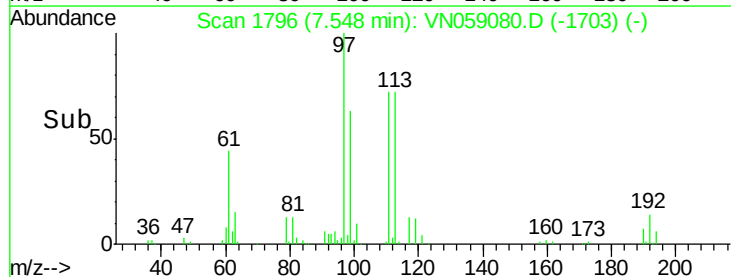
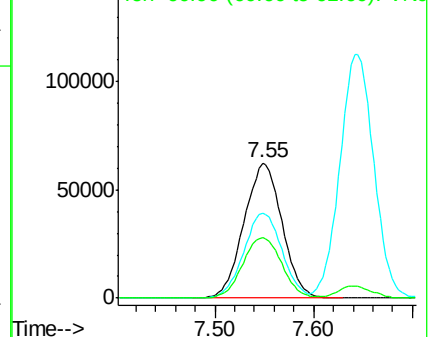


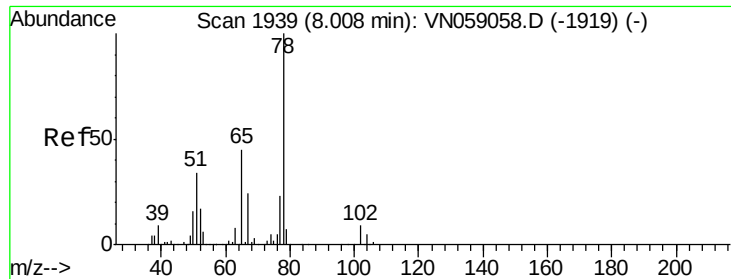
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

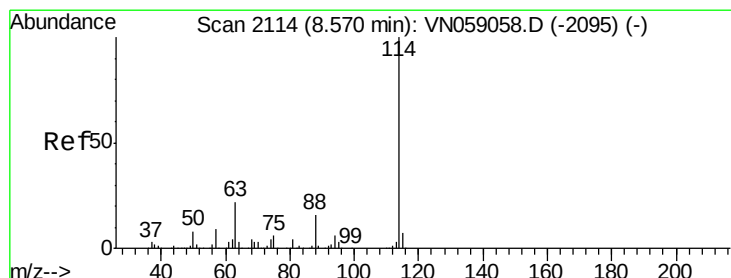
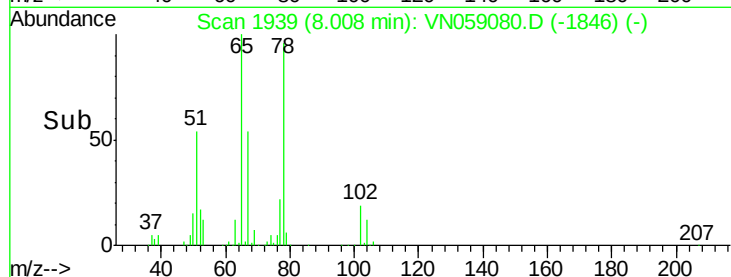
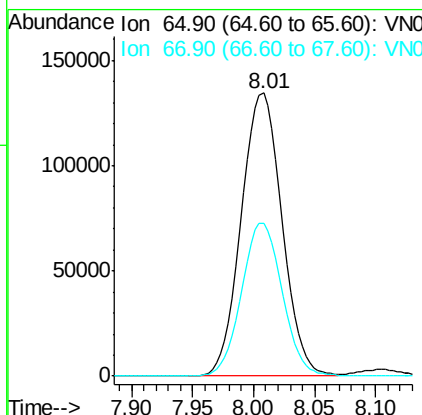
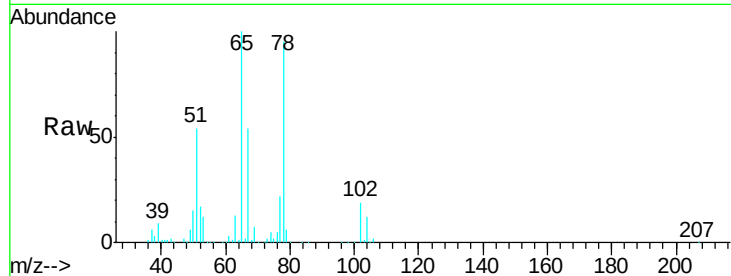




#33
 1,2-Dichloroethane-d4
 Concen: 49.768 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

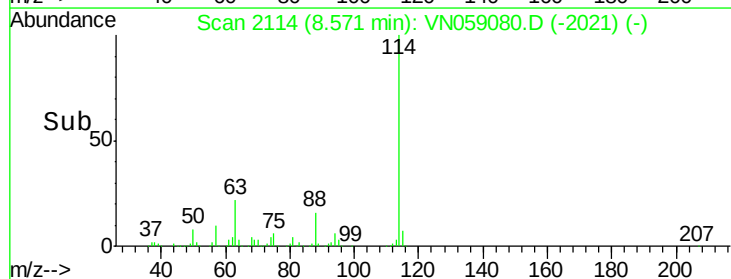
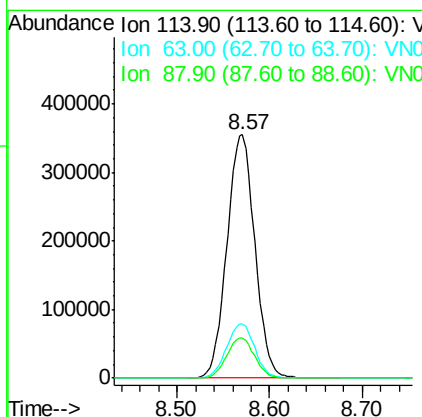
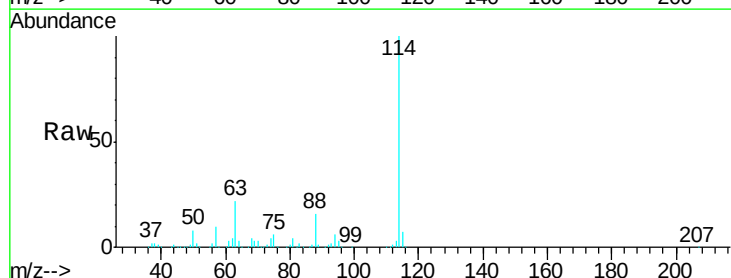
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

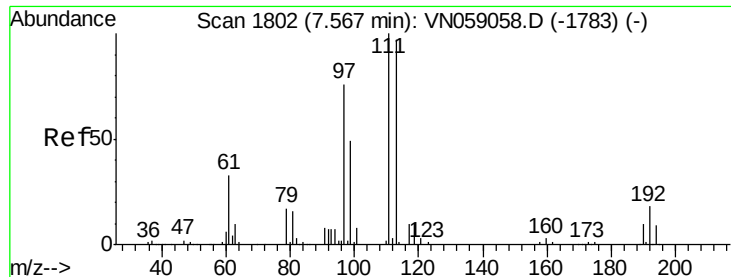
Tgt Ion: 65 Resp: 311665
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion: 114 Resp: 741499
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.3 0.0 33.0

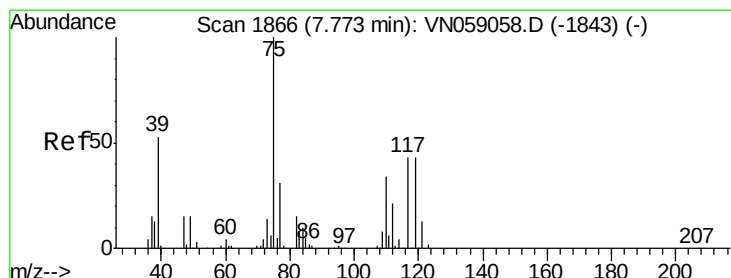
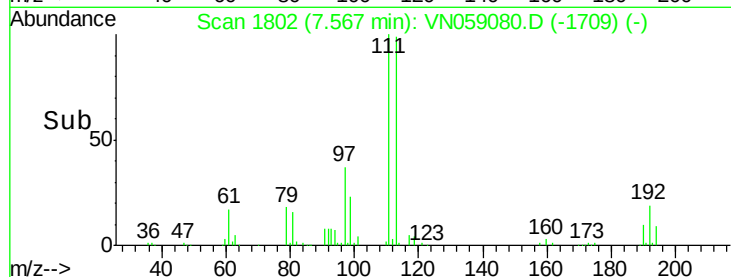
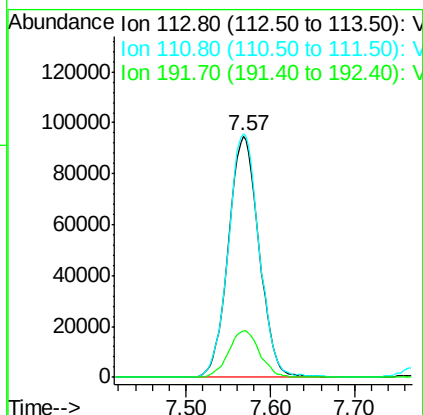
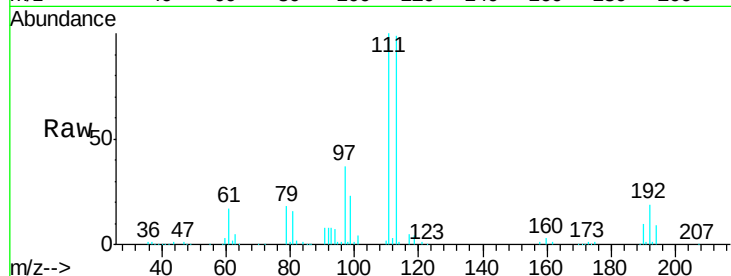




#35
 Dibromofluoromethane
 Concen: 50.072 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

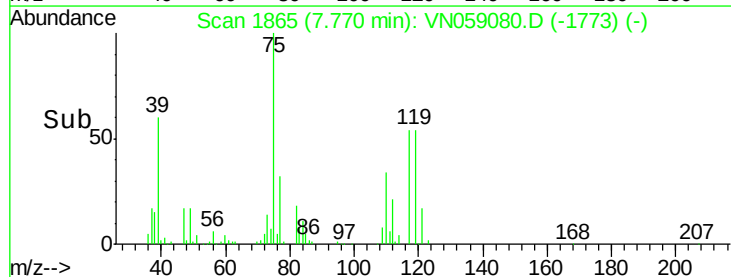
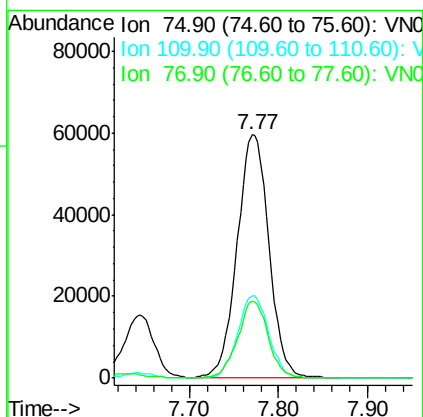
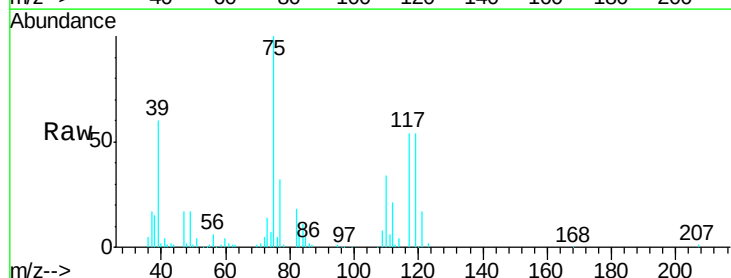
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

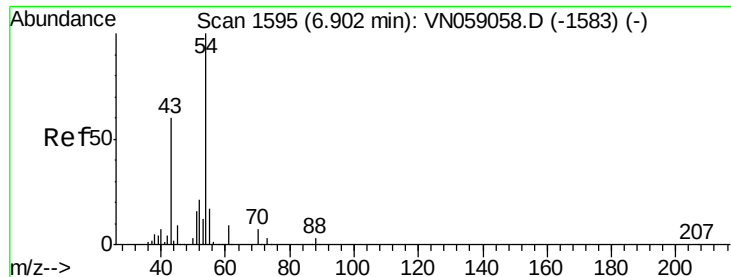
Tgt Ion: 113 Resp: 239524
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.9 124.3
 192 19.5 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 20.079 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion: 75 Resp: 147978
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.9 50.6
 77 30.3 25.0 37.4





#37

Ethyl Acetate

Concen: 20.200 ug/l

RT: 6.91 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

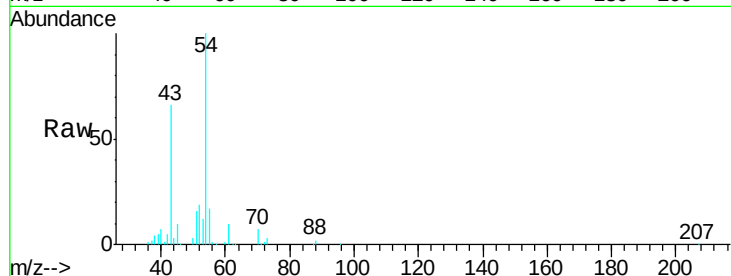
Tgt Ion: 43 Resp: 165403

Ion Ratio Lower Upper

43 100

61 13.9 11.2 16.8

70 10.2 8.0 12.0

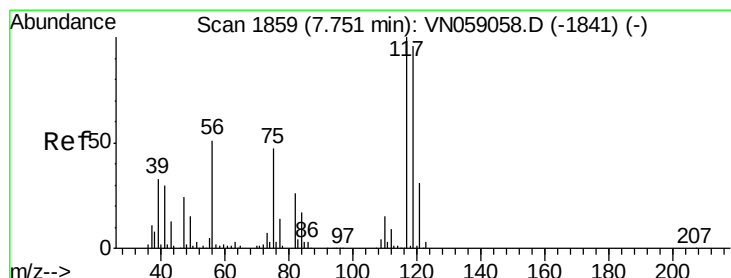
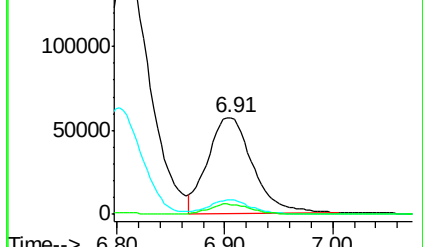
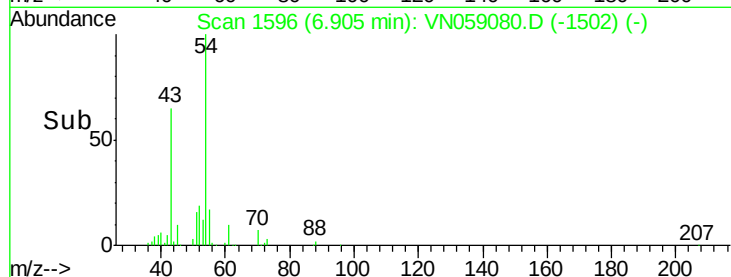


Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1583) (-)

Ion 60.90 (60.60 to 61.60): VN059058.D (-1583) (-)

Ion 70.00 (69.70 to 70.70): VN059058.D (-1583) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 19.870 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

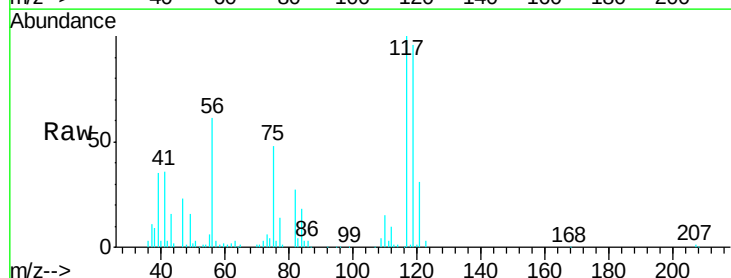
Tgt Ion: 117 Resp: 142711

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

121 30.5 24.6 37.0

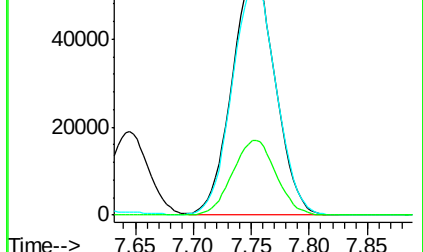
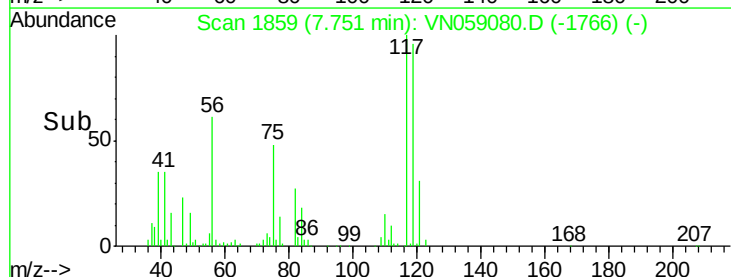


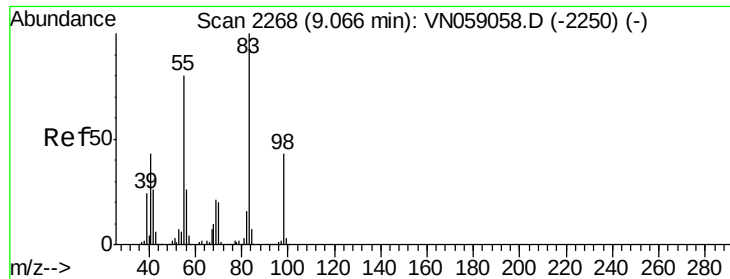
Abundance Ion 116.80 (116.50 to 117.50): VN059058.D (-1841) (-)

Ion 118.80 (118.50 to 119.50): VN059058.D (-1841) (-)

Ion 120.80 (120.50 to 121.50): VN059058.D (-1841) (-)

Time-->

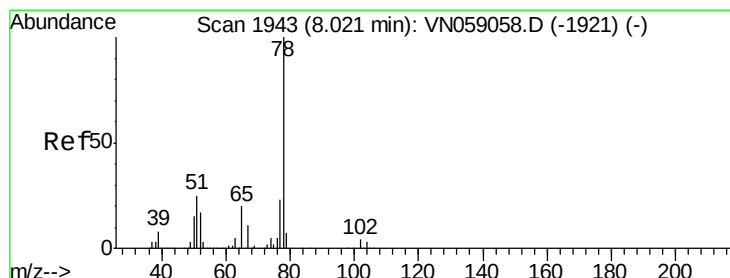
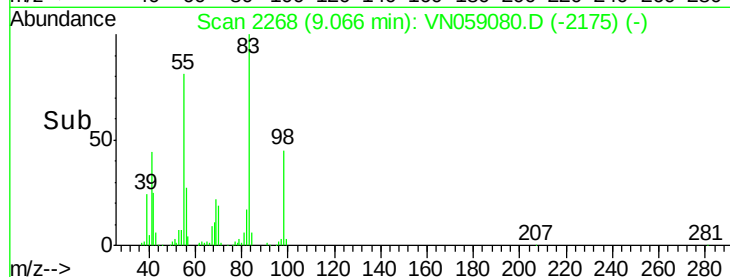
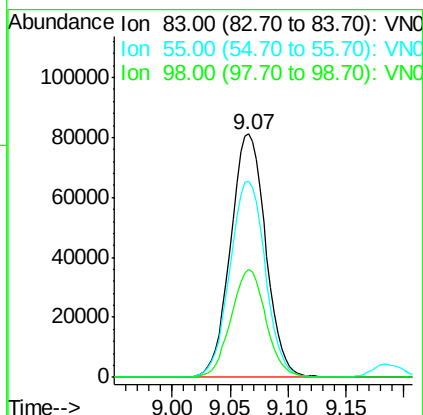
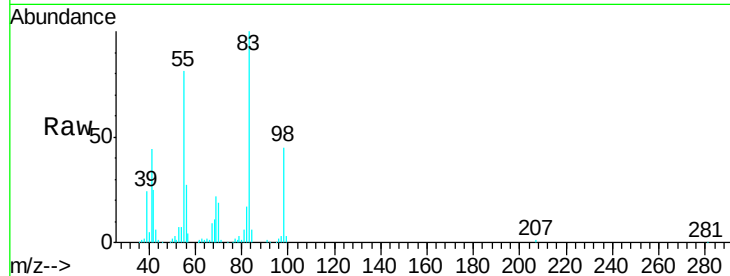




#39
Methylcyclohexane
Concen: 19.990 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

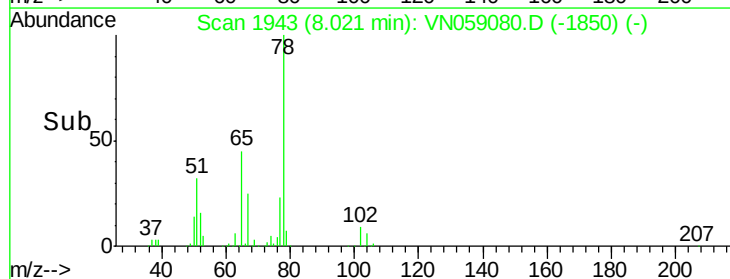
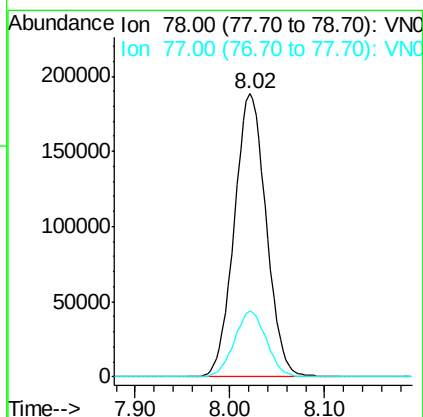
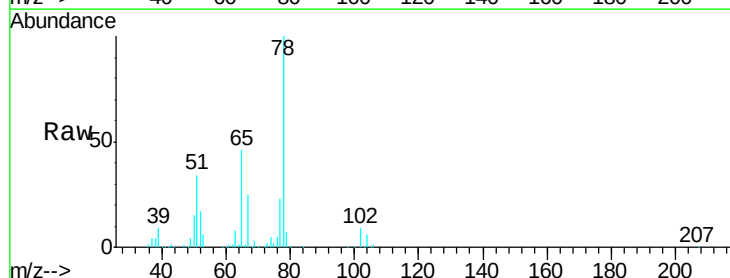
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

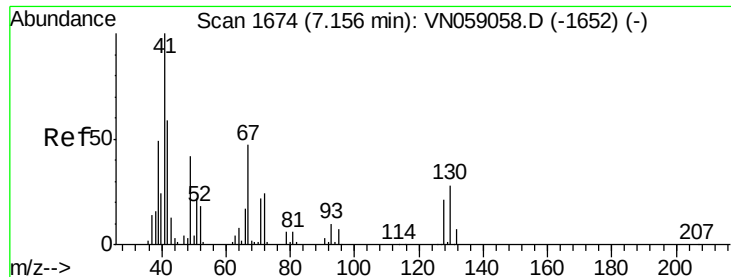
Tgt Ion: 83 Resp: 170278
Ion Ratio Lower Upper
83 100
55 80.8 64.1 96.1
98 44.6 34.3 51.5



#40
Benzene
Concen: 20.192 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 78 Resp: 441627
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8





#41

Methacrylonitrile

Concen: 18.699 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 41 Resp: 66209

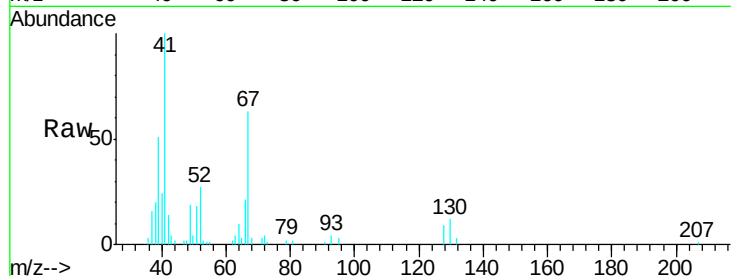
Ion Ratio Lower Upper

41 100

39 68.0 0.0 0.0#

67 91.7 0.0 0.0#

52 38.4 0.0 0.0#

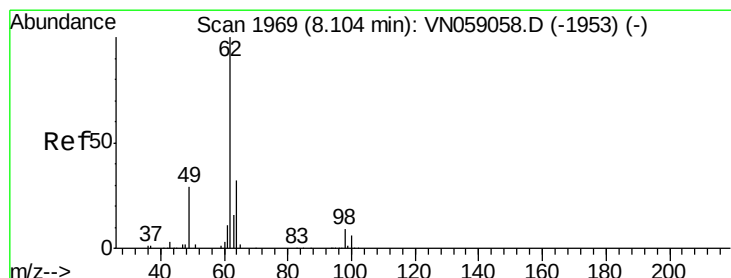
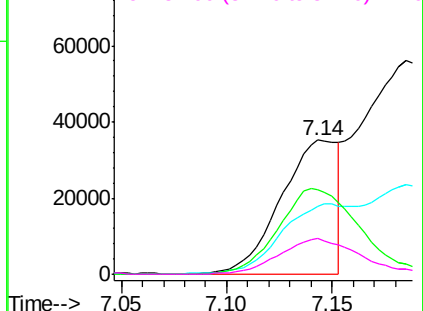
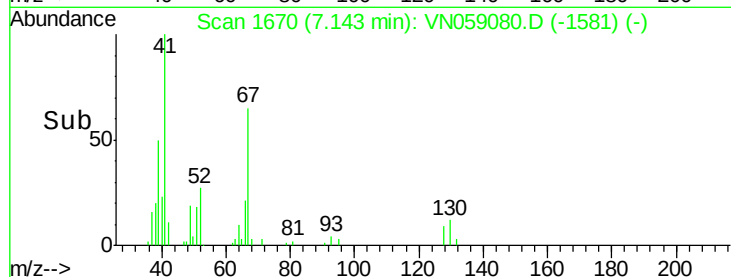


Abundance Ion 41.00 (40.70 to 41.70): VN059080.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN059080.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN059080.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN059080.D (-1652) (-)



#42

1,2-Dichloroethane

Concen: 20.435 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059080.D

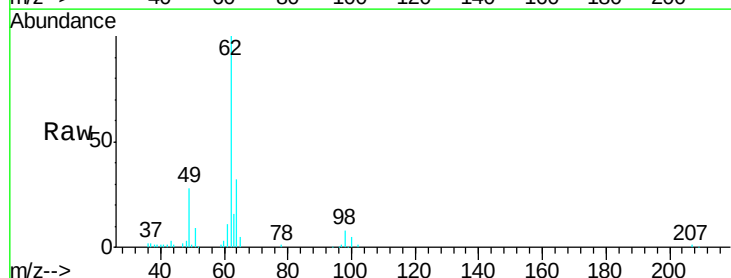
Acq: 4 Nov 2019 12:40

Tgt Ion: 62 Resp: 155217

Ion Ratio Lower Upper

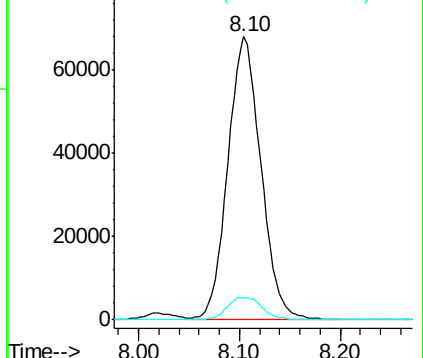
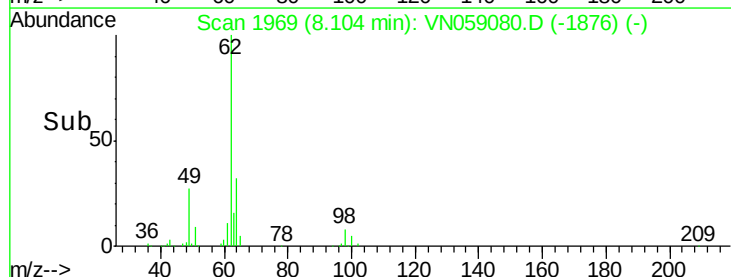
62 100

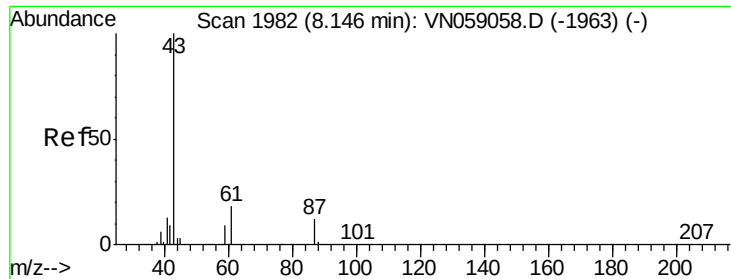
98 8.4 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN059080.D (-1876) (-)

Ion 97.90 (97.60 to 98.60): VN059080.D (-1876) (-)

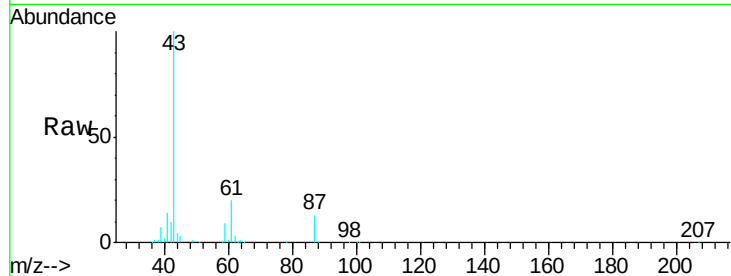




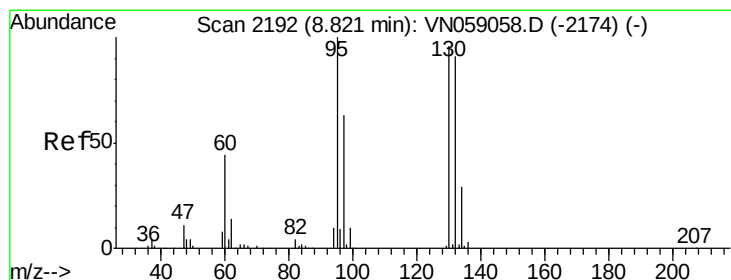
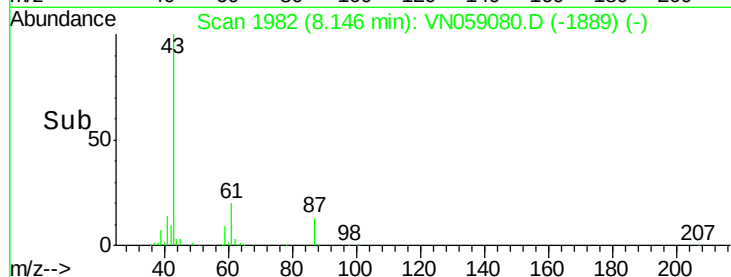
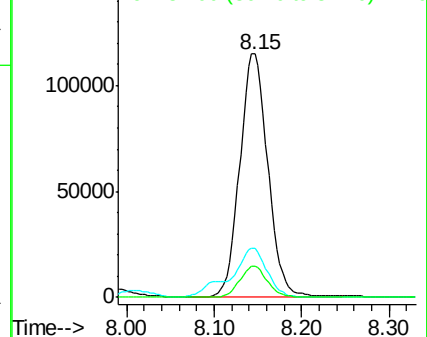
#43
Isopropyl Acetate
Concen: 19.895 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

Tgt Ion: 43 Resp: 254764
Ion Ratio Lower Upper
43 100
61 25.7 20.5 30.7
87 12.5 9.8 14.8

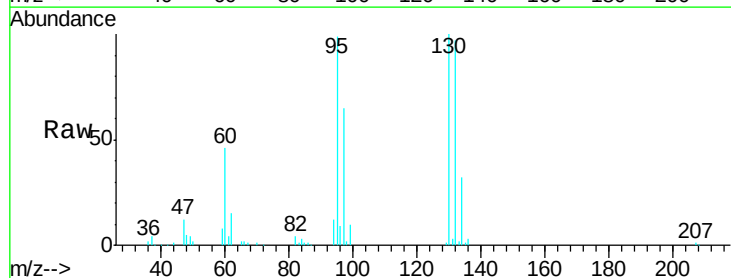


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

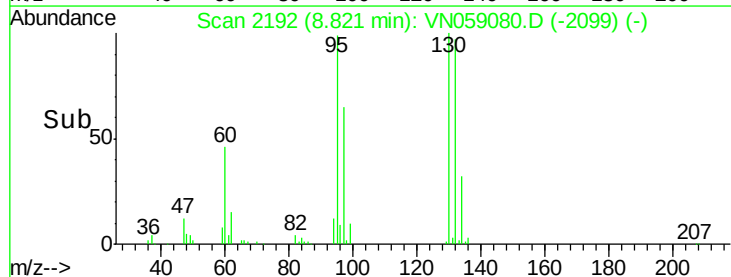
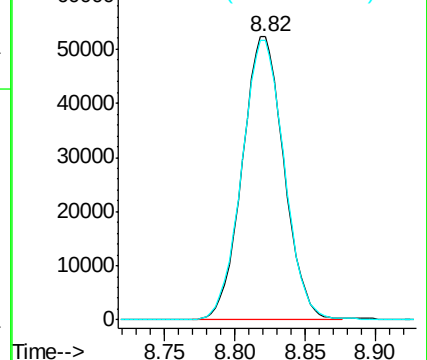


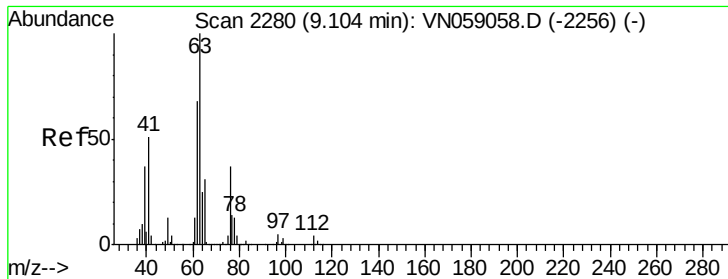
#44
Trichloroethene
Concen: 20.110 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 130 Resp: 108213
Ion Ratio Lower Upper
130 100
95 98.9 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

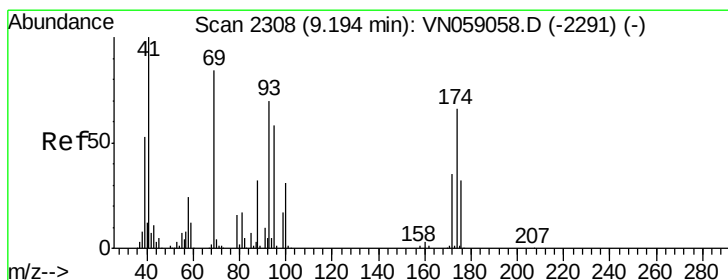
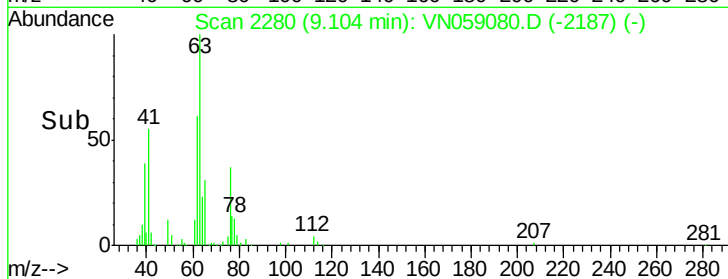
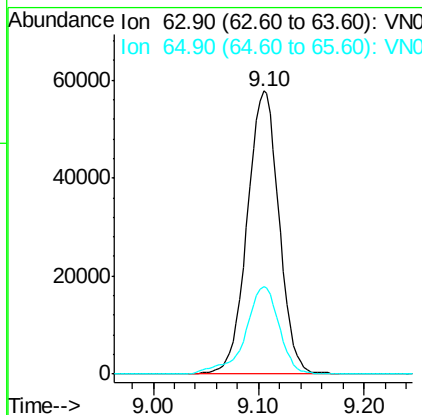
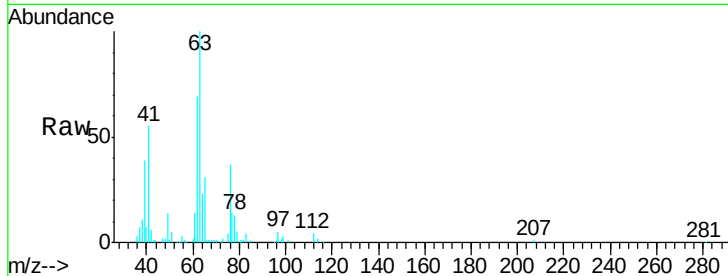




#45
 1,2-Dichloropropane
 Concen: 20.514 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

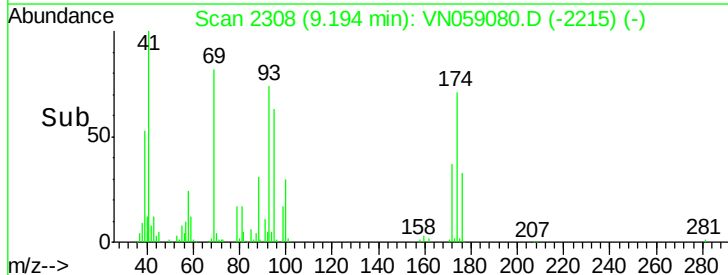
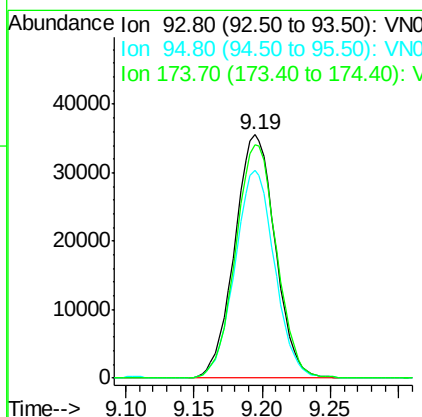
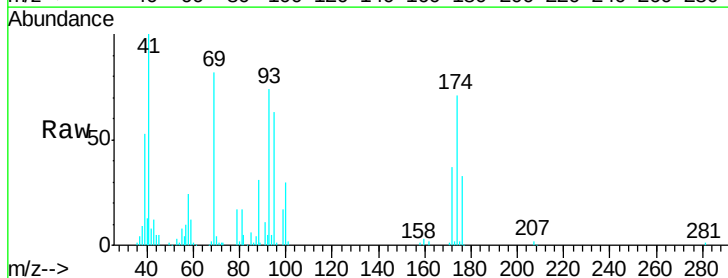
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

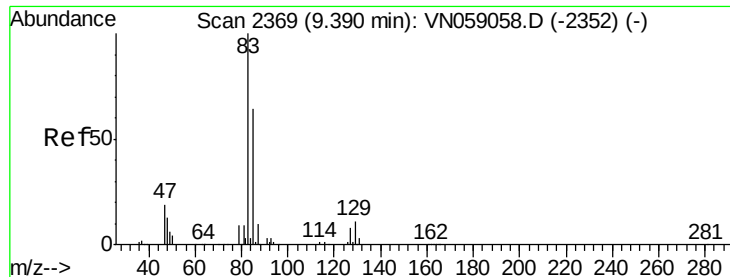
Tgt Ion: 63 Resp: 121335
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 20.123 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion: 93 Resp: 73561
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.2 100.8
 174 96.2 78.3 117.5





#47

Bromodichloromethane

Concen: 20.013 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

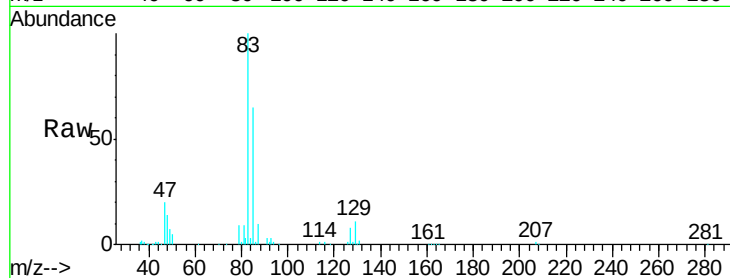
Tgt Ion: 83 Resp: 148167

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

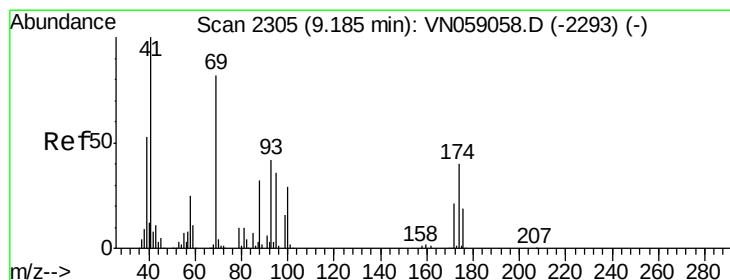
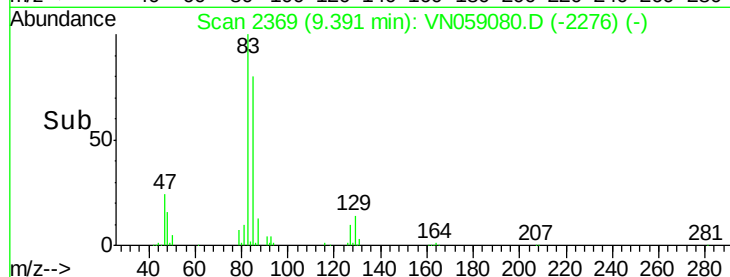
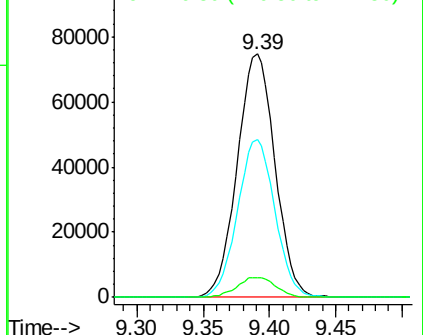
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059080.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059080.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059080.D (-2276) (-)



#48

Methyl methacrylate

Concen: 19.355 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

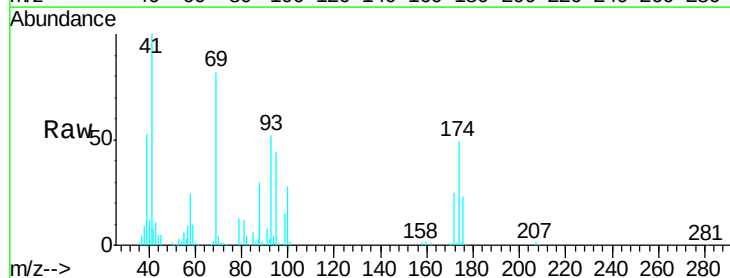
Tgt Ion: 41 Resp: 113005

Ion Ratio Lower Upper

41 100

69 84.6 67.1 100.7

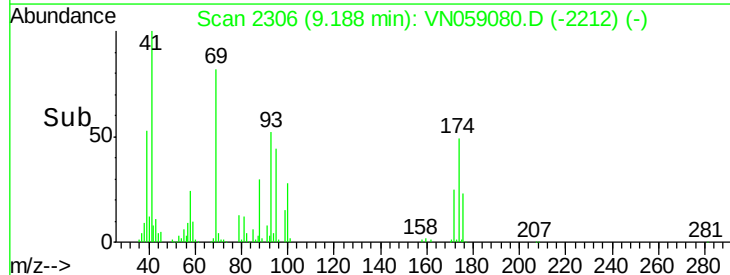
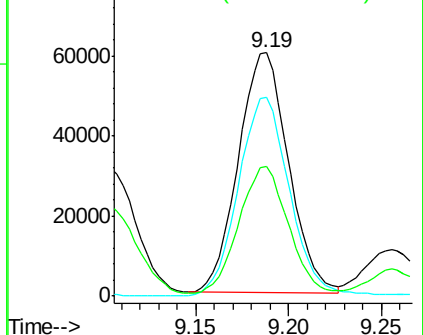
39 54.0 43.3 64.9

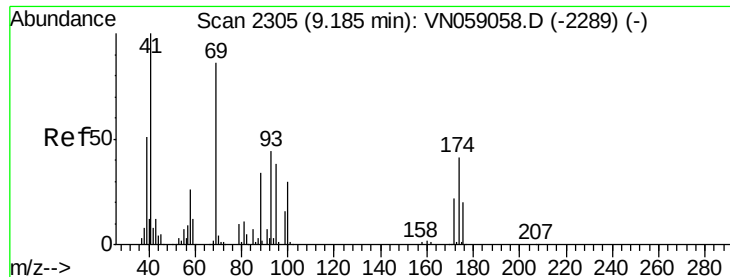


Abundance Ion 41.00 (40.70 to 41.70): VN059080.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059080.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059080.D (-2212) (-)

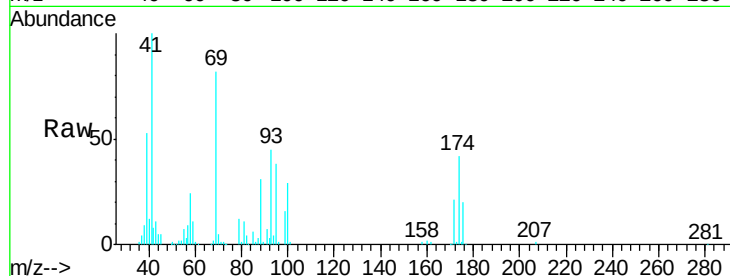




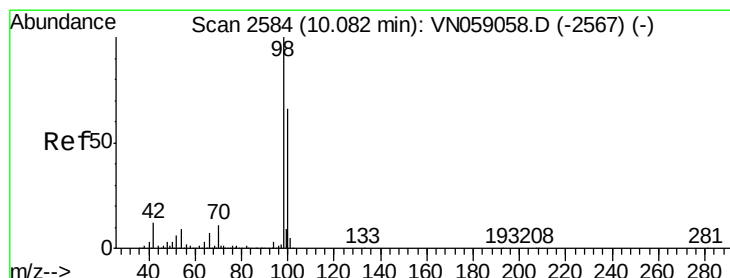
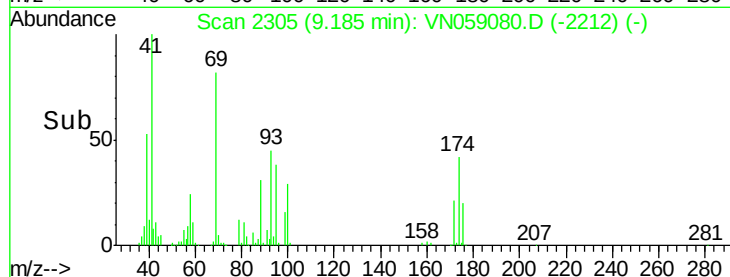
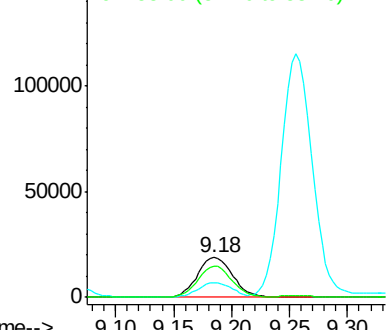
#49
1,4-Dioxane
Concen: 423.251 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

Tgt Ion: 88 Resp: 40311
Ion Ratio Lower Upper
88 100
43 33.3 26.2 39.2
58 75.4 59.1 88.7

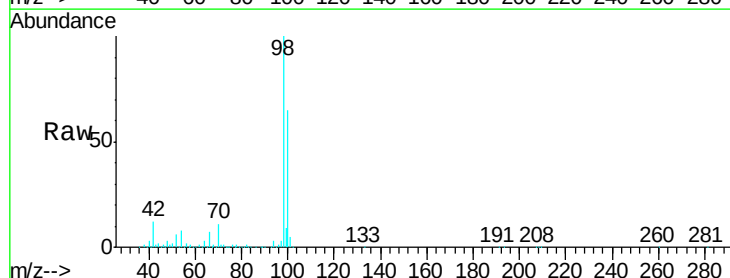


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

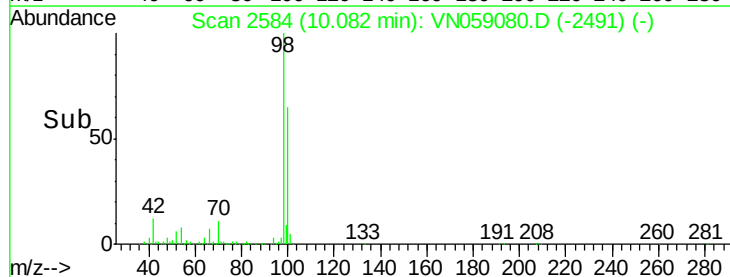
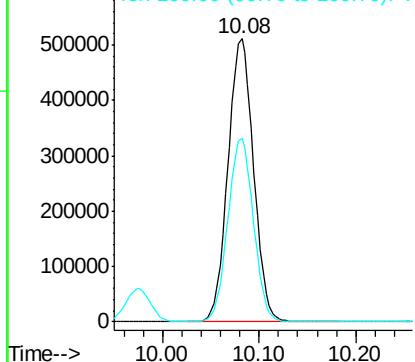


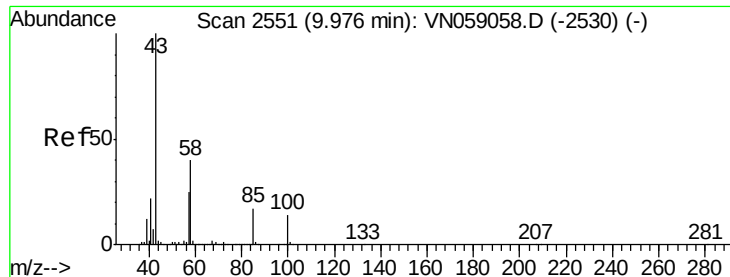
#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 98 Resp: 938970
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

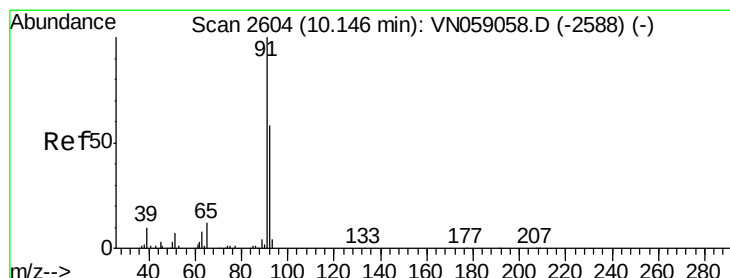
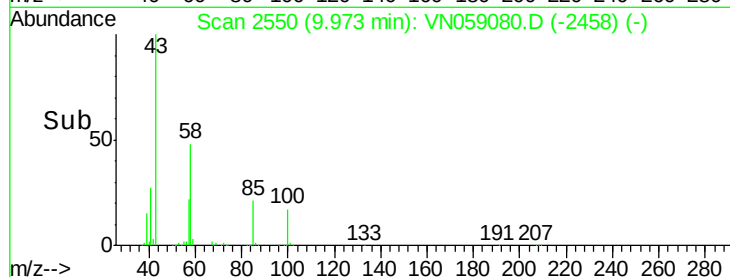
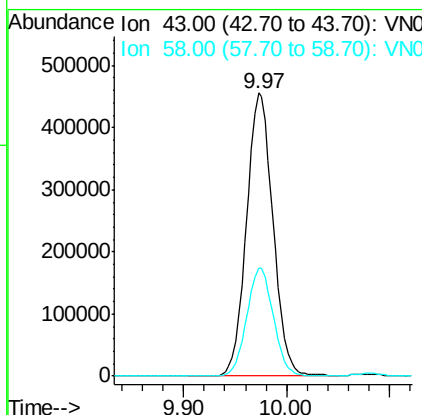
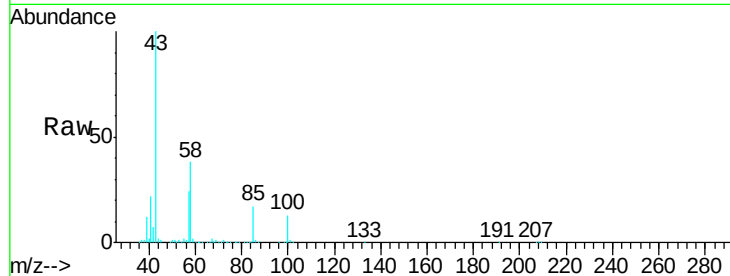




#51
 4-Methyl-2-Pentanone
 Concen: 109.128 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

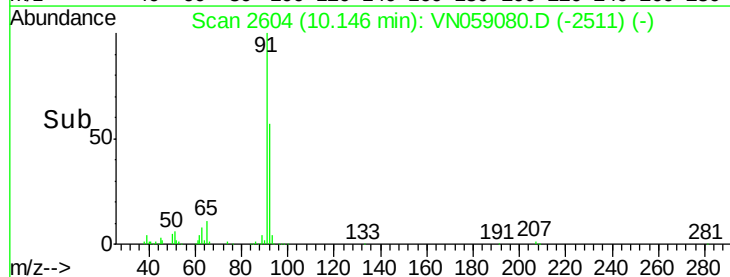
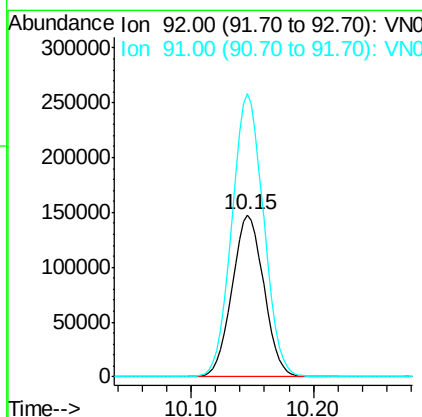
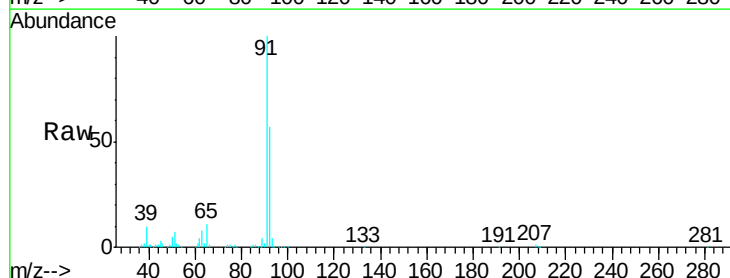
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

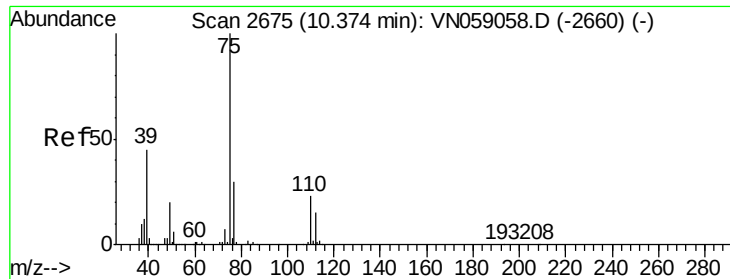
Tgt Ion: 43 Resp: 811775
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.8 47.6



#52
 Toluene
 Concen: 20.854 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion: 92 Resp: 267247
 Ion Ratio Lower Upper
 92 100
 91 174.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 19.717 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

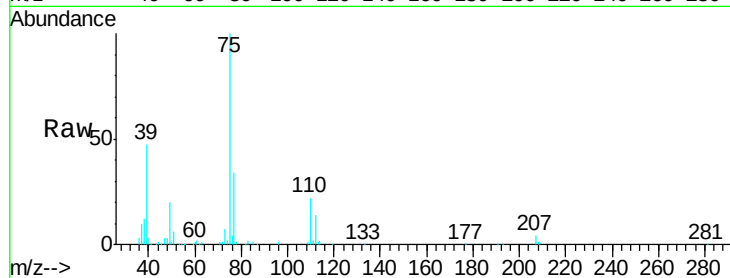
VN1104WBSD02

Tgt Ion: 75 Resp: 168792

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

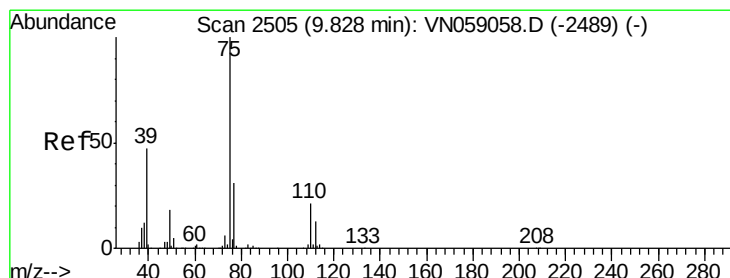
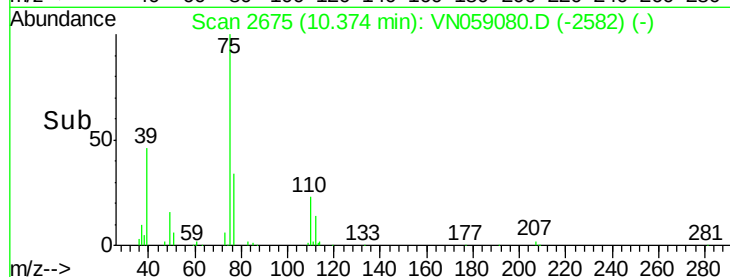
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.390 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

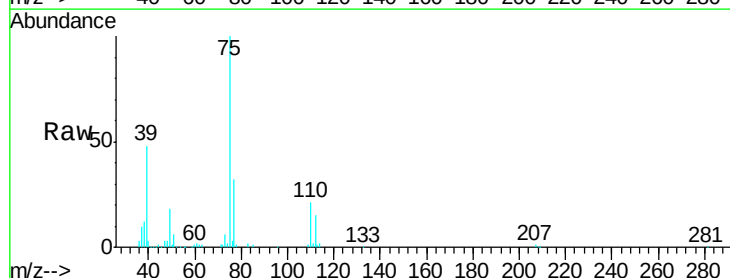
Tgt Ion: 75 Resp: 184115

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 48.1 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

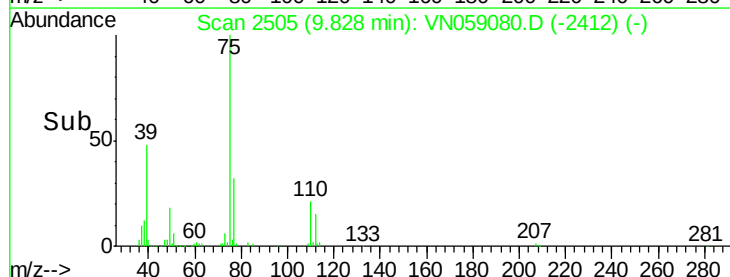
100000

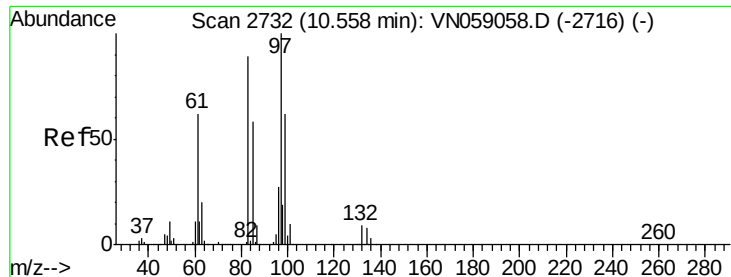
50000

0

9.75 9.80 9.85 9.90 9.95

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.926 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 97 Resp: 104020

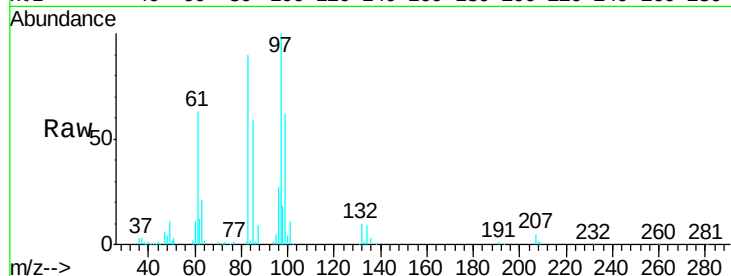
Ion Ratio Lower Upper

97 100

83 90.2 71.4 107.2

85 59.2 46.6 70.0

99 61.5 49.7 74.5

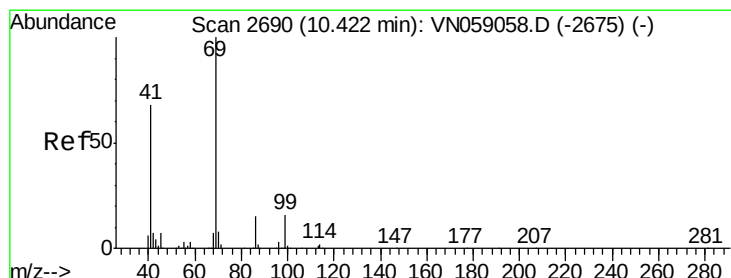
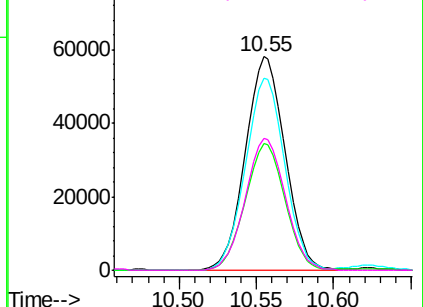
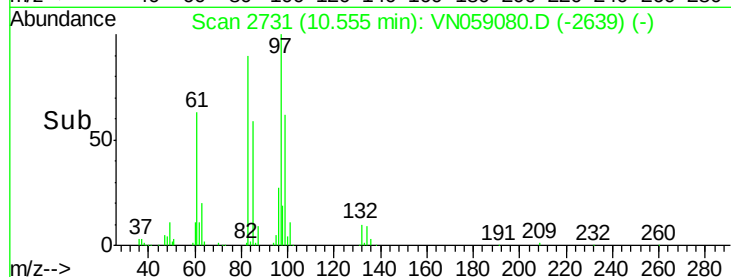


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.917 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

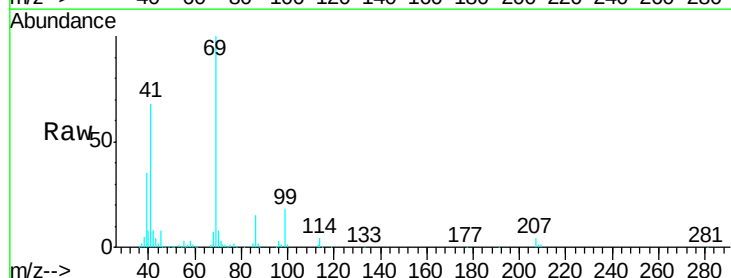
Tgt Ion: 69 Resp: 156956

Ion Ratio Lower Upper

69 100

41 67.8 53.8 80.8

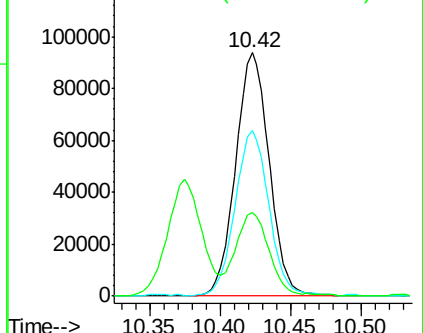
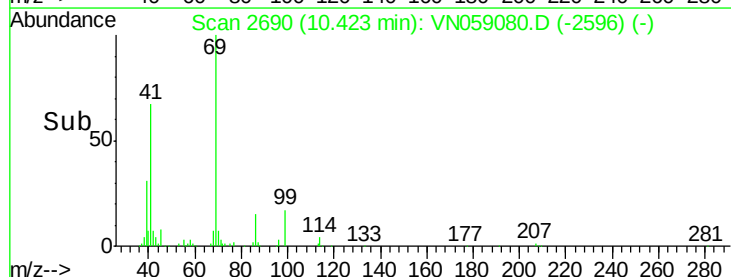
39 34.1 26.2 39.2

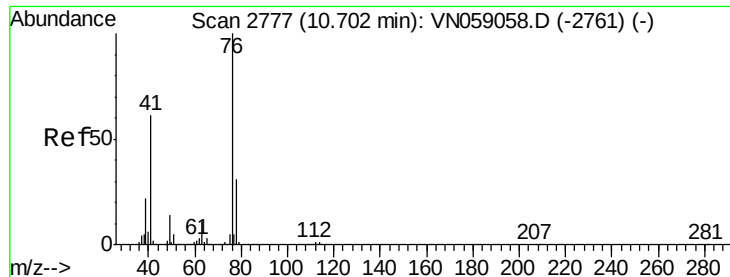


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

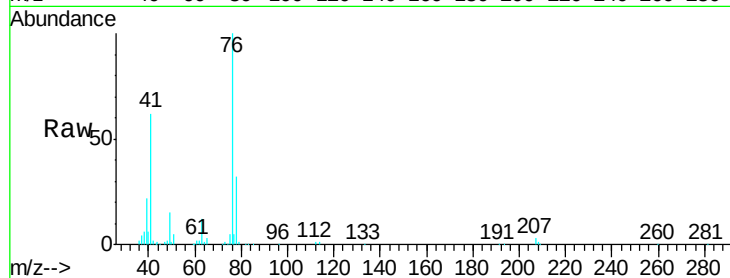
VN1104WBSD02

Tgt Ion: 76 Resp: 184251

Ion Ratio Lower Upper

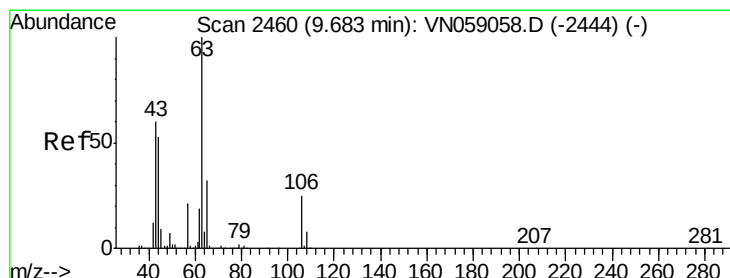
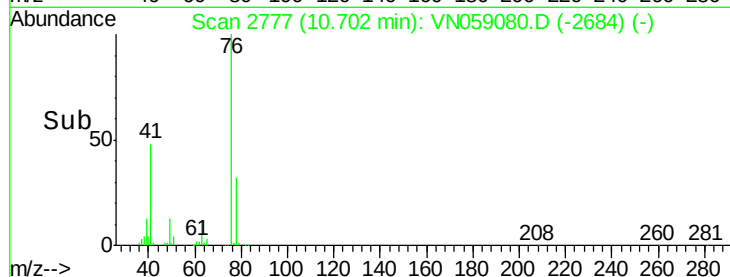
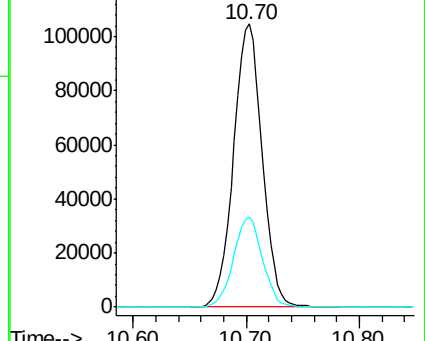
76 100

78 32.2 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: 100.887 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059080.D

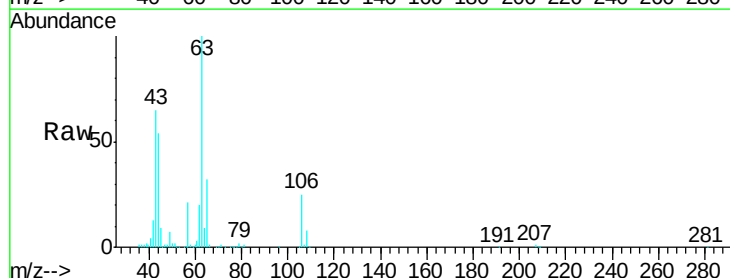
Acq: 4 Nov 2019 12:40

Tgt Ion: 63 Resp: 322077

Ion Ratio Lower Upper

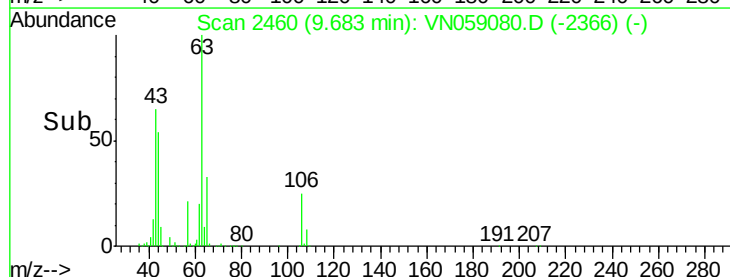
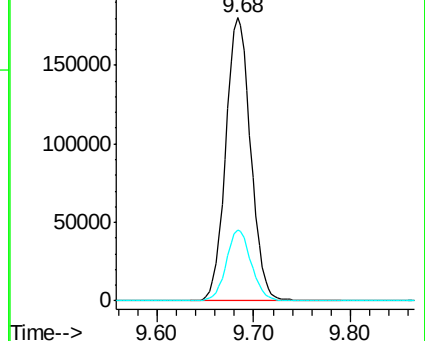
63 100

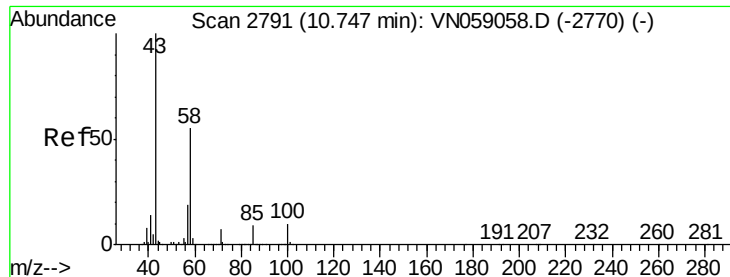
106 25.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

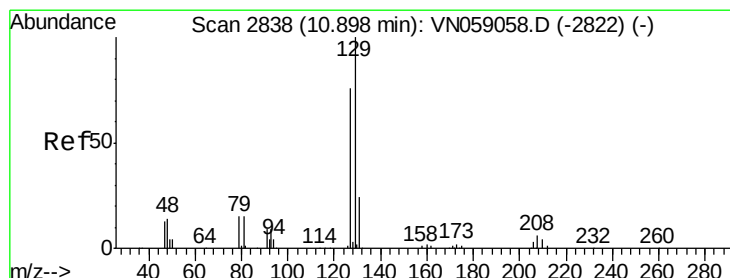
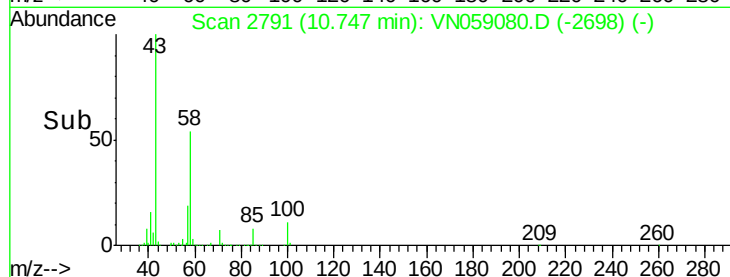
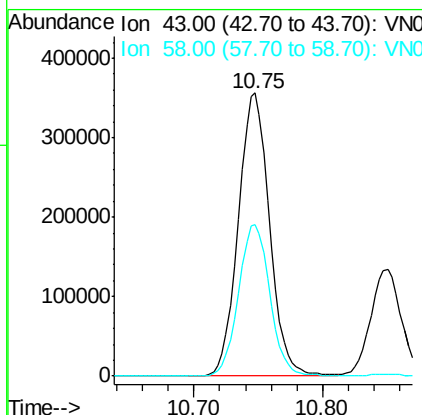
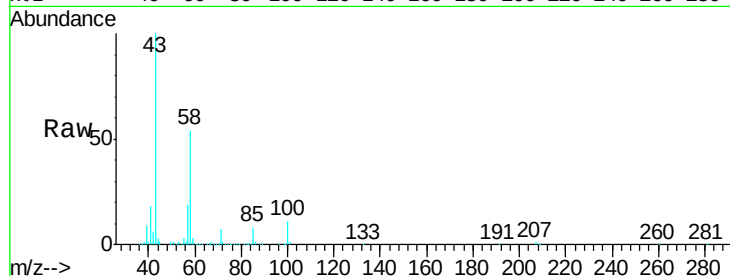




#59
2-Hexanone
Concen: 106.115 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

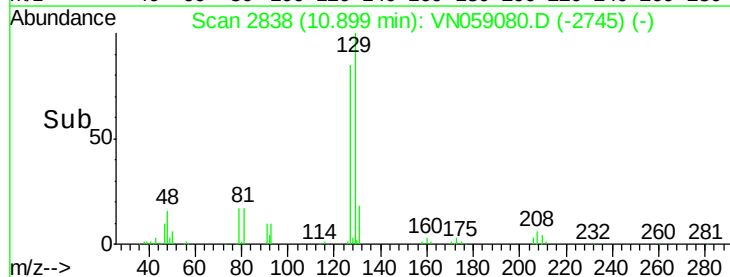
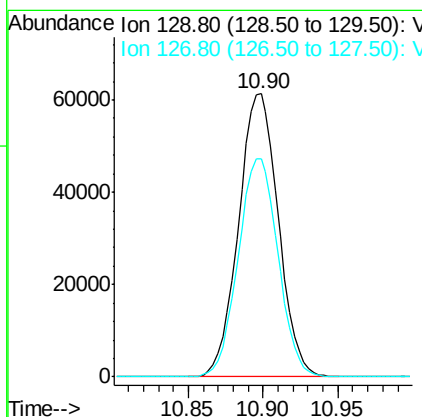
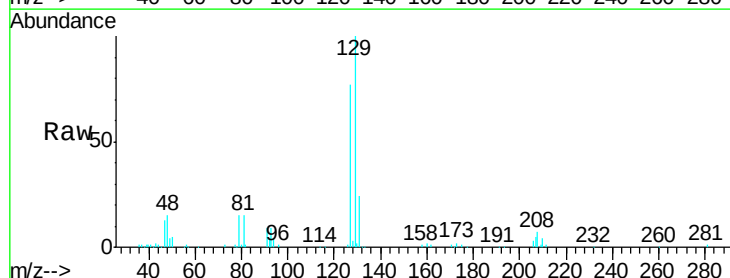
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

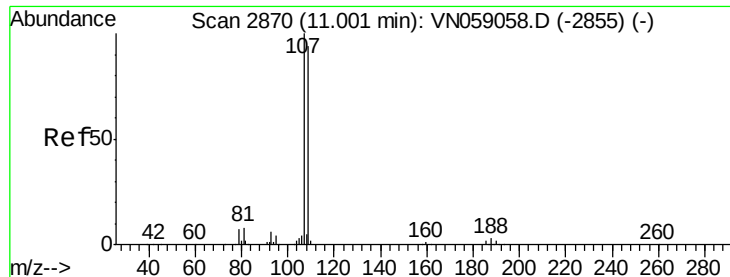
Tgt Ion: 43 Resp: 599677
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.2



#60
Dibromochloromethane
Concen: 20.184 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 129 Resp: 113551
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.339 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

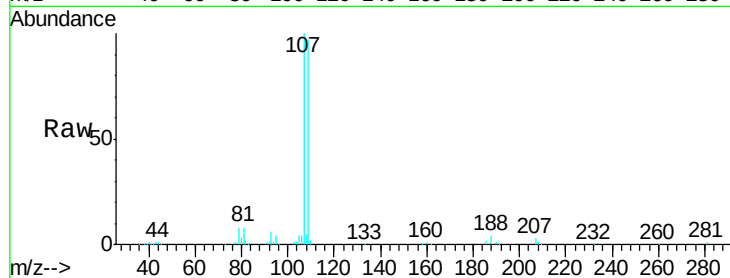
VN1104WBSD02

Tgt Ion: 107 Resp: 107564

Ion Ratio Lower Upper

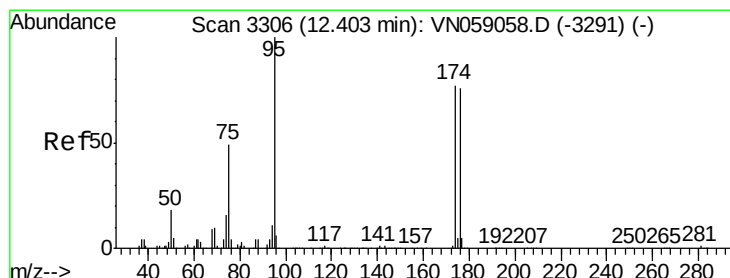
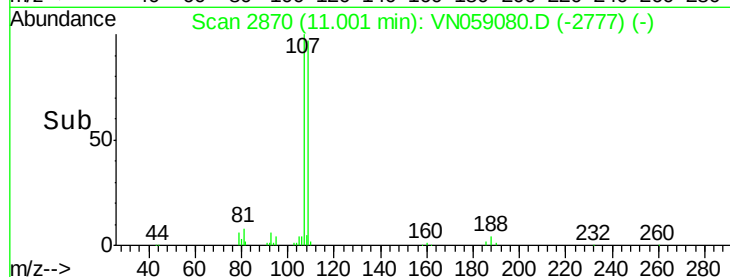
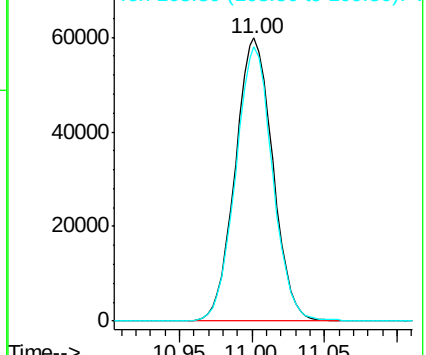
107 100

109 95.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.097 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

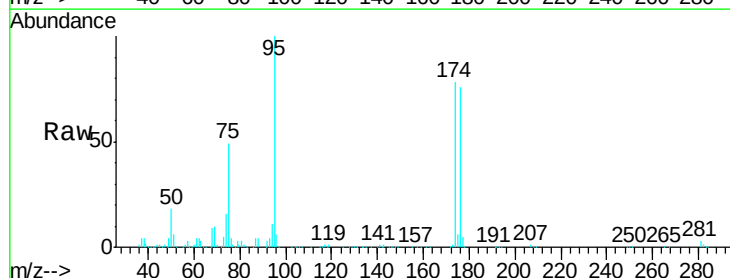
Tgt Ion: 95 Resp: 328690

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.8

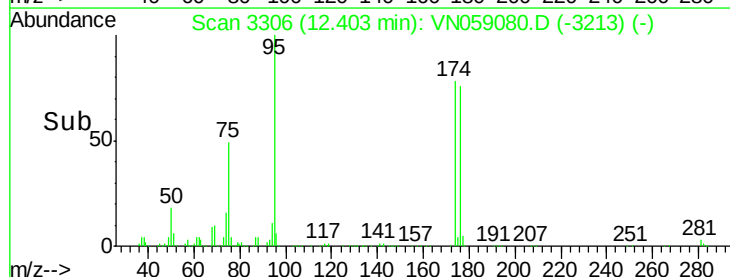
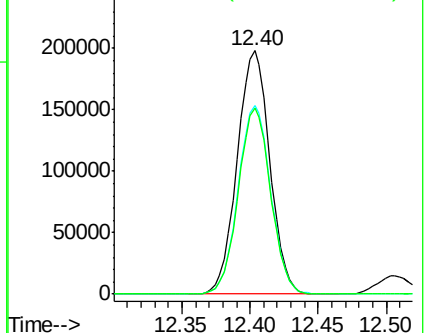
176 75.8 0.0 151.6

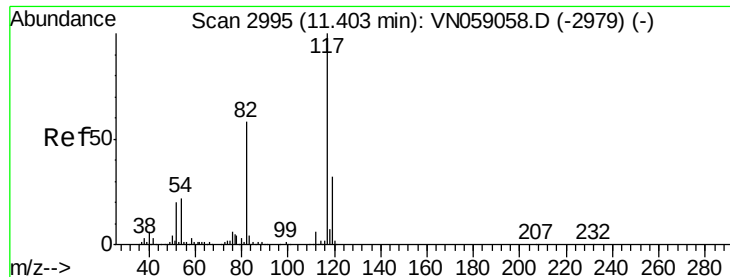


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

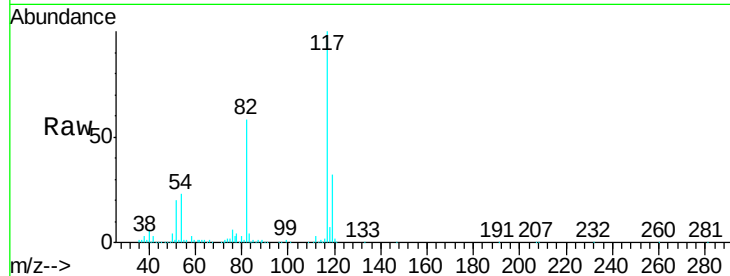




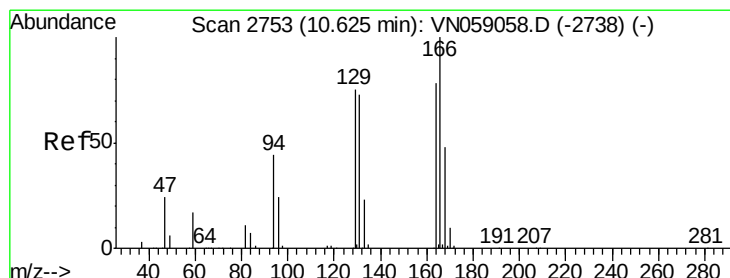
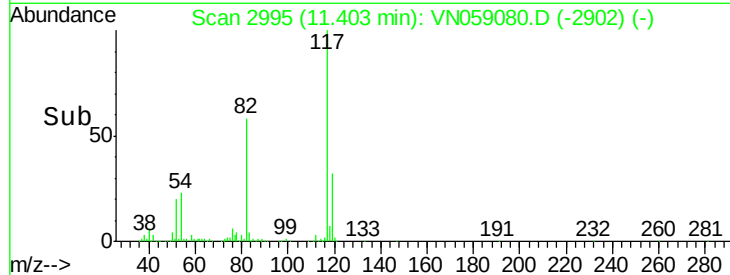
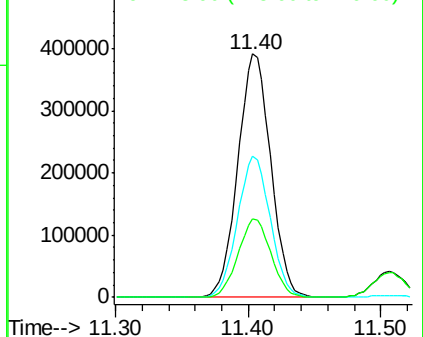
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Instrument :
MSVOA_N
ClientSampled :
VN1104WBSD02

Tgt Ion:117 Resp: 674421
Ion Ratio Lower Upper
117 100
82 57.7 46.0 69.0
119 32.3 25.6 38.4



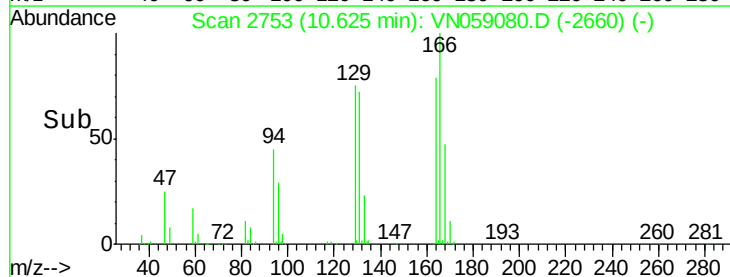
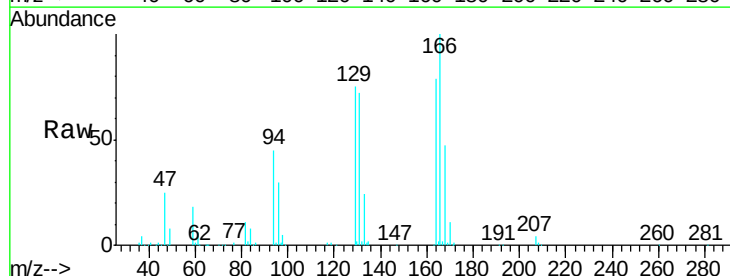
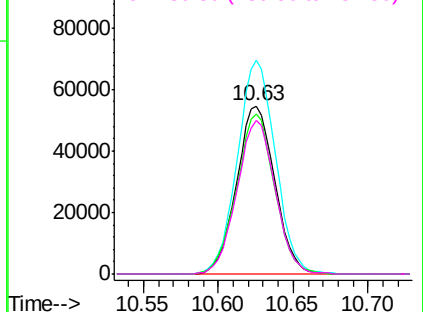
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

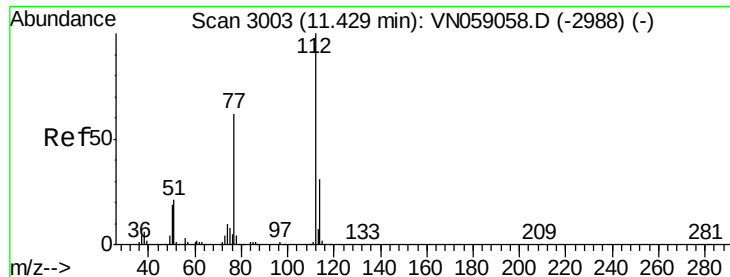


#64
Tetrachloroethene
Concen: 20.605 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion:164 Resp: 97074
Ion Ratio Lower Upper
164 100
166 126.9 102.7 154.1
129 95.4 77.3 115.9
131 90.9 74.8 112.2

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

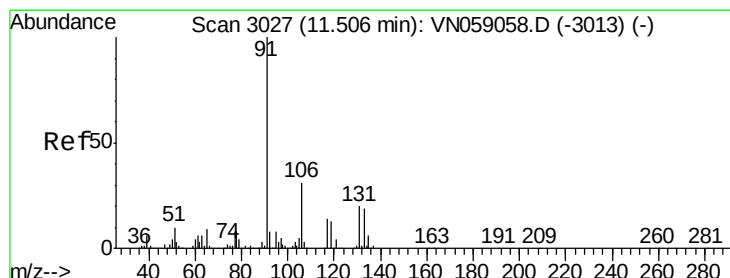
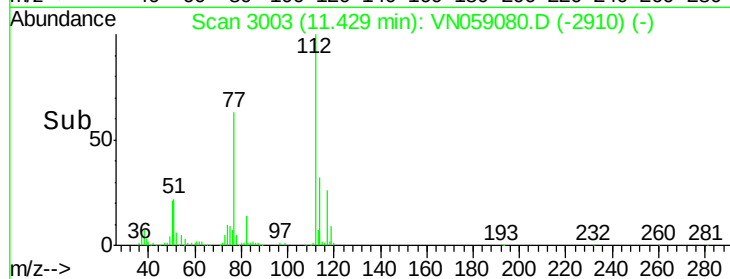
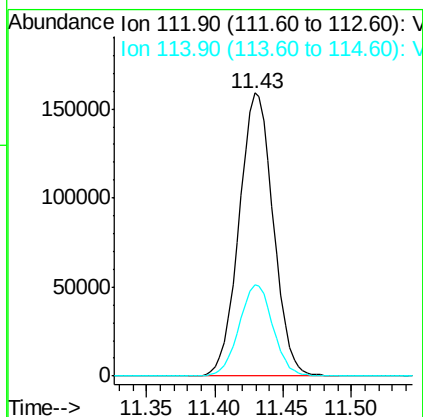
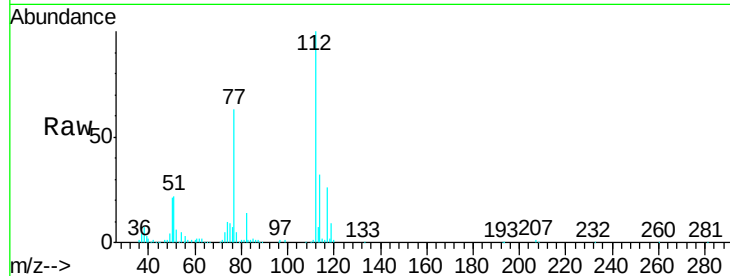




#65
Chlorobenzene
Concen: 19.966 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

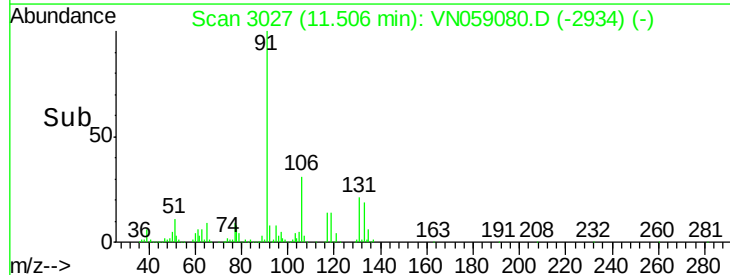
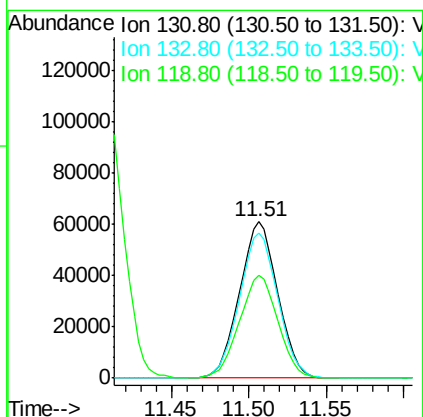
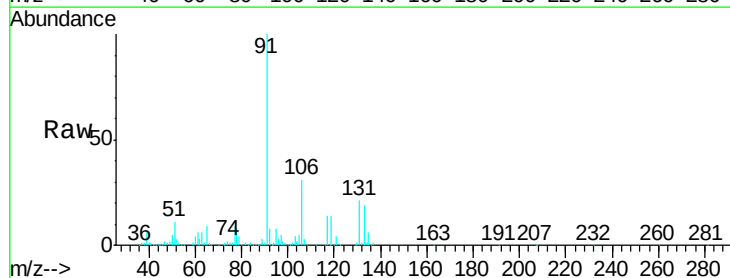
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

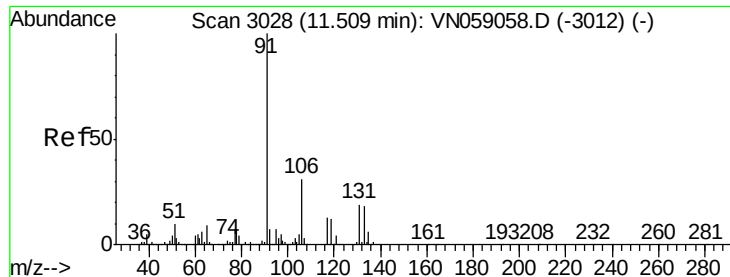
Tgt Ion:112 Resp: 276366
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.549 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion:131 Resp: 104646
Ion Ratio Lower Upper
131 100
133 93.6 47.9 143.6
119 66.5 33.5 100.5





#67

Ethyl Benzene

Concen: 20.866 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

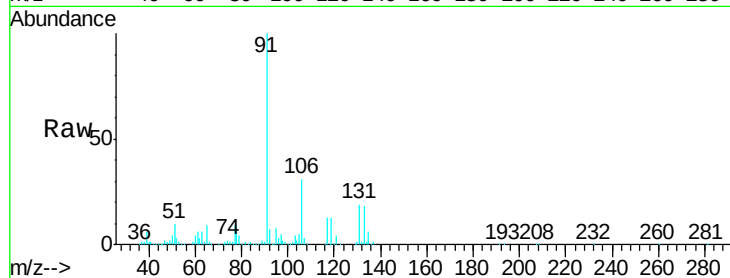
VN1104WBSD02

Tgt Ion: 91 Resp: 499990

Ion Ratio Lower Upper

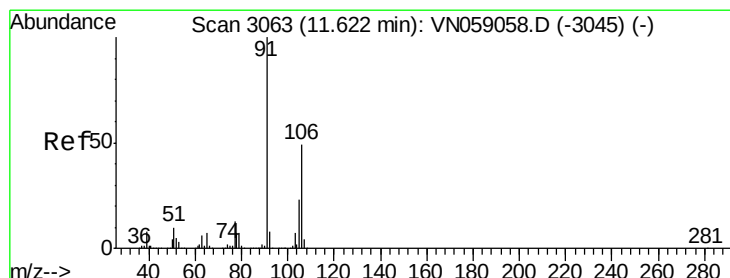
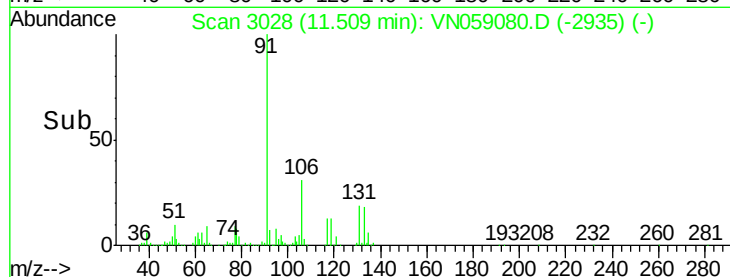
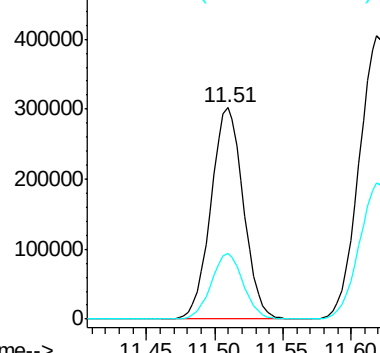
91 100

106 30.9 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.342 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059080.D

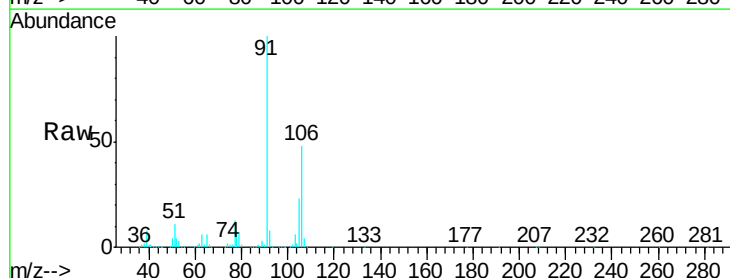
Acq: 4 Nov 2019 12:40

Tgt Ion: 106 Resp: 369914

Ion Ratio Lower Upper

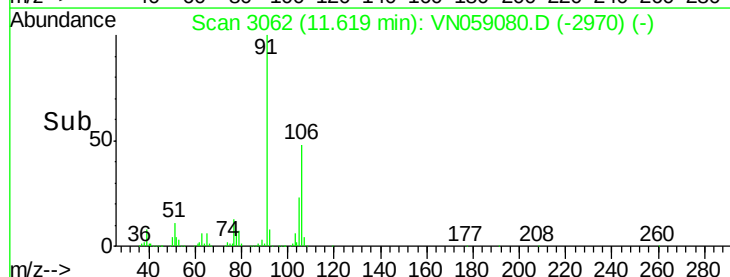
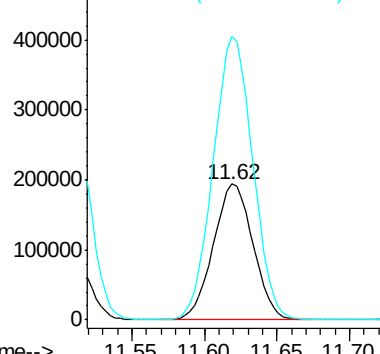
106 100

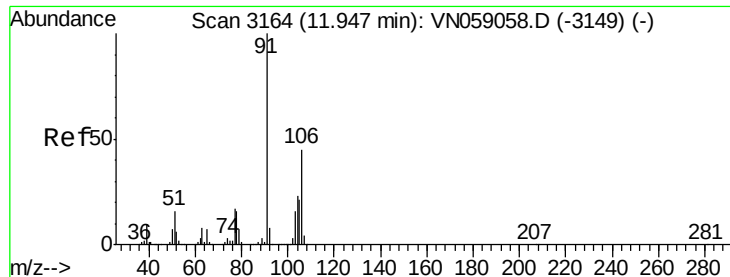
91 207.7 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

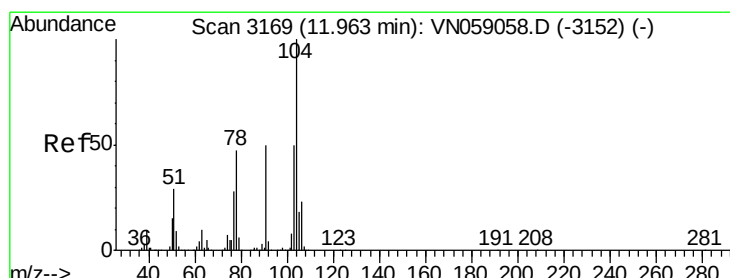
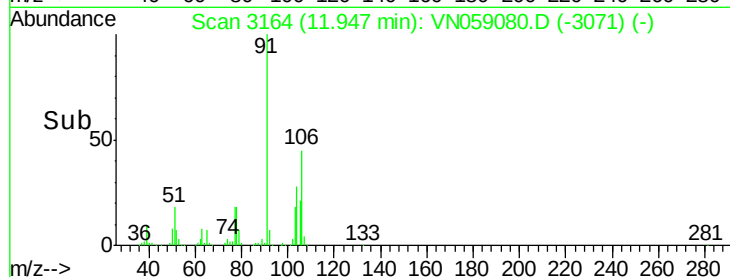
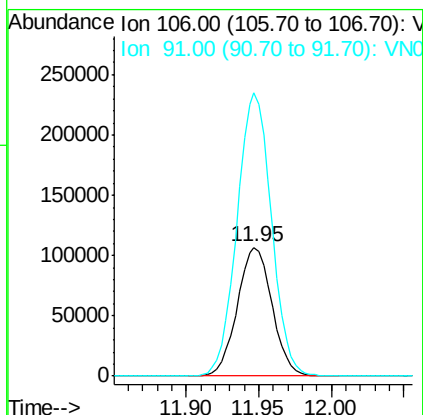
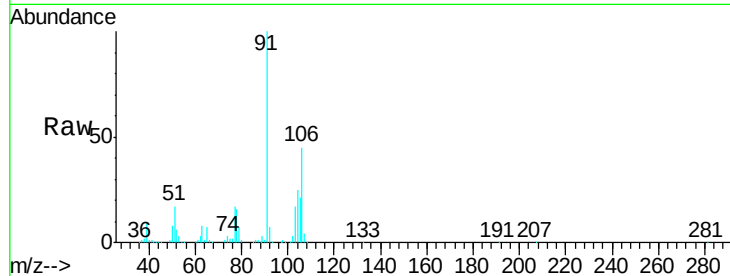




#69
o-Xylene
Concen: 20.804 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

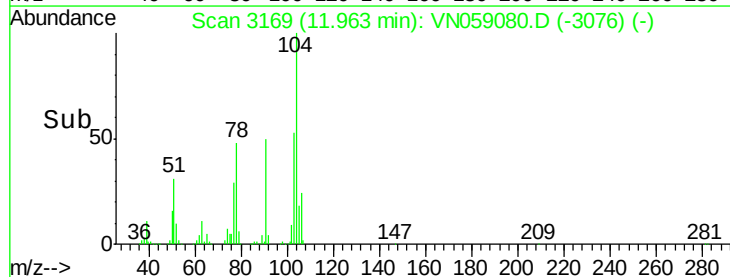
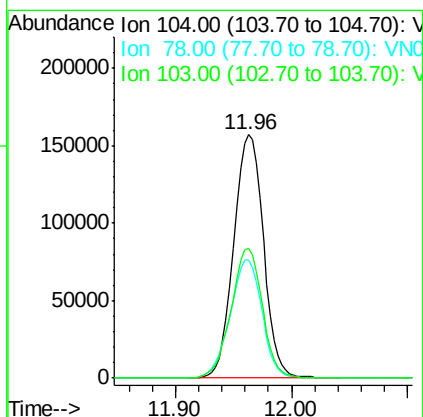
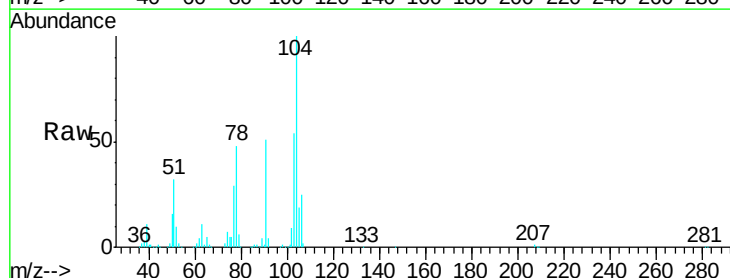
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

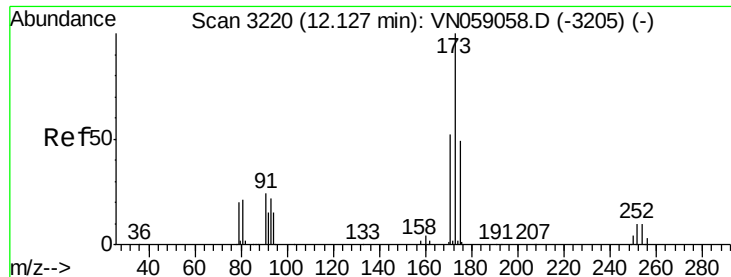
Tgt Ion:106 Resp: 177754
Ion Ratio Lower Upper
106 100
91 218.4 110.4 331.2



#70
Styrene
Concen: 20.163 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion:104 Resp: 279178
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 19.767 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

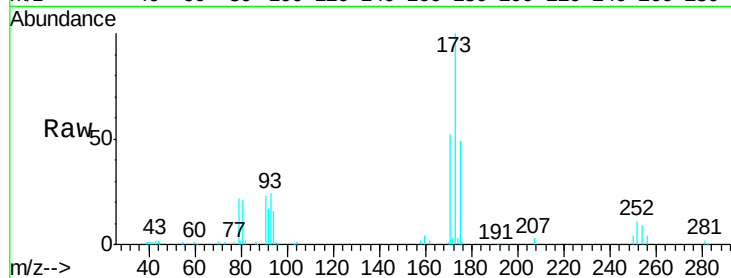
Tgt Ion:173 Resp: 77916

Ion Ratio Lower Upper

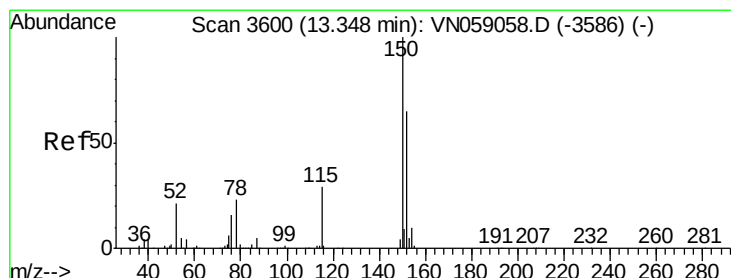
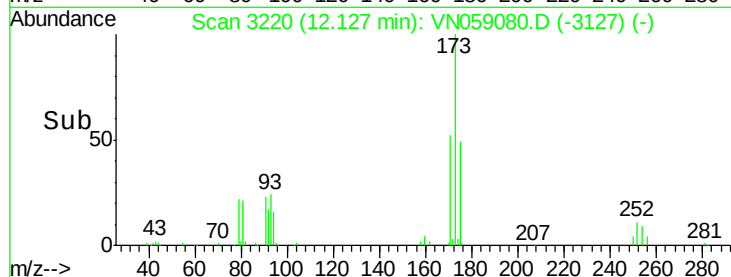
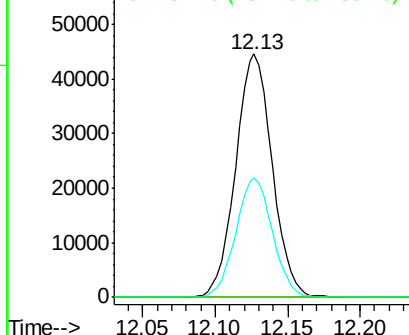
173 100

175 49.3 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# 3599

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

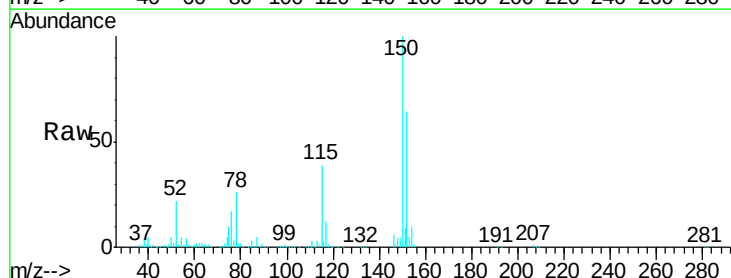
Tgt Ion:152 Resp: 308485

Ion Ratio Lower Upper

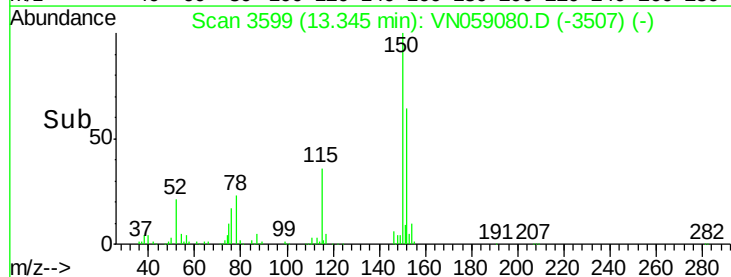
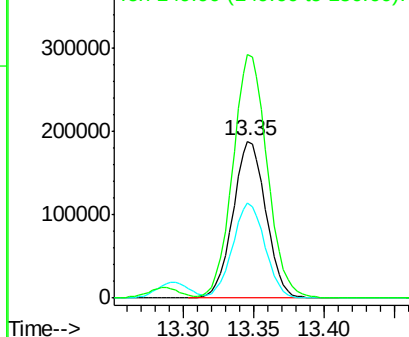
152 100

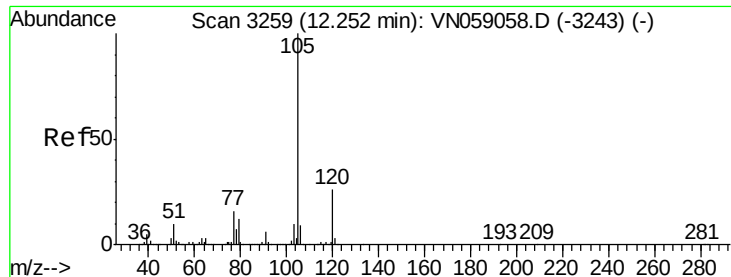
115 59.6 29.6 88.9

150 162.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.931 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

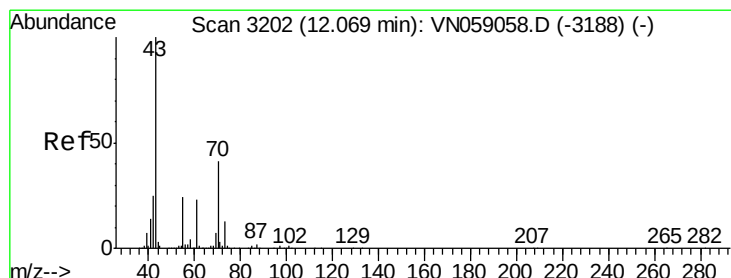
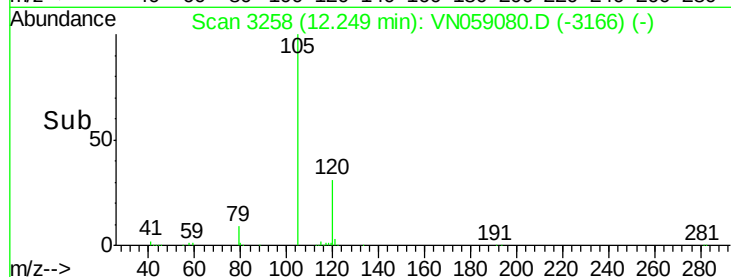
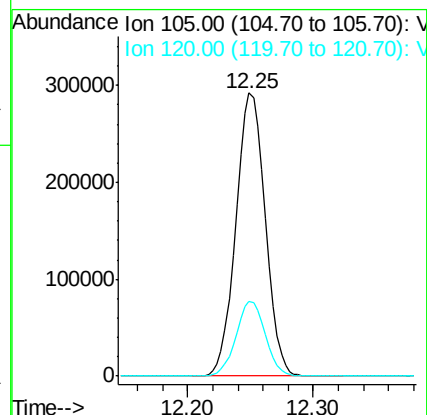
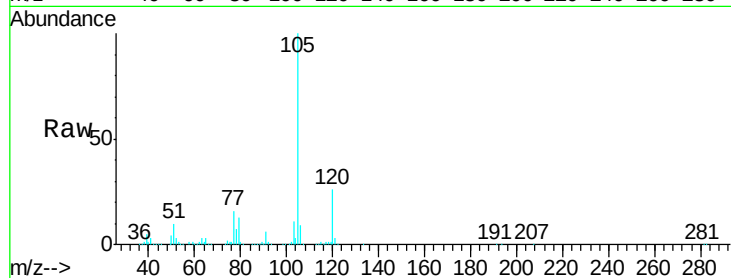
VN1104WBSD02

Tgt Ion: 105 Resp: 475021

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.1



#74

N-ethyl acetate

Concen: 19.927 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Tgt Ion: 43 Resp: 201168

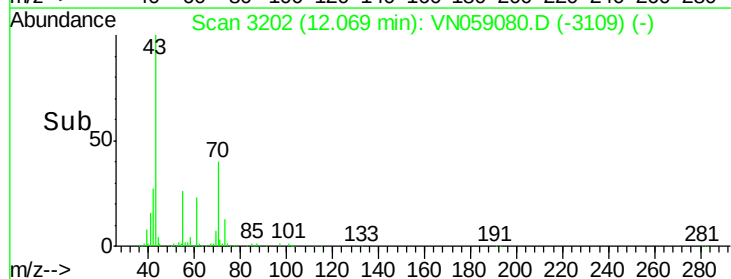
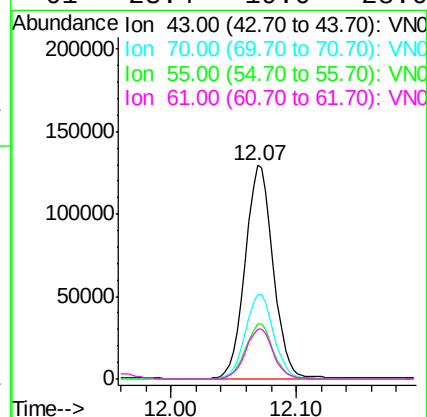
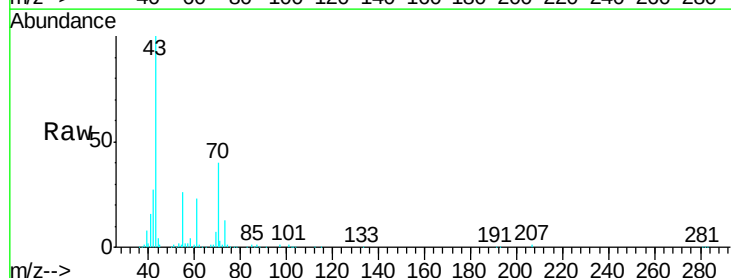
Ion Ratio Lower Upper

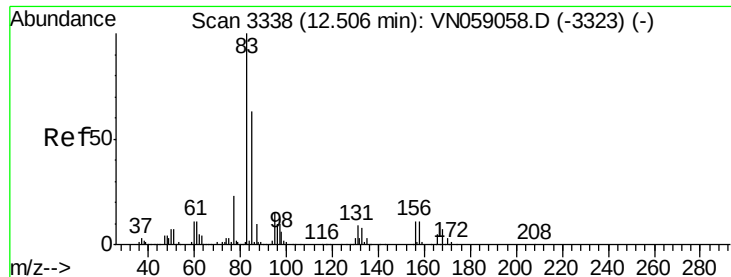
43 100

70 40.2 32.6 49.0

55 25.7 19.7 29.5

61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

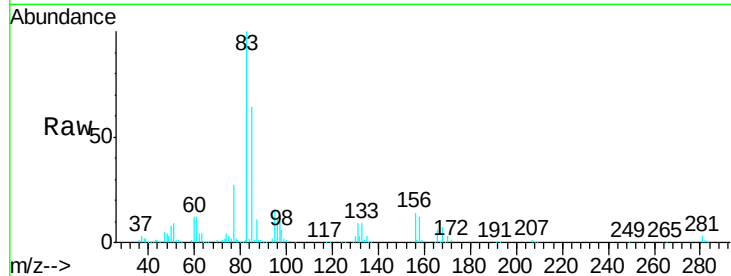
Tgt Ion: 83 Resp: 158945

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

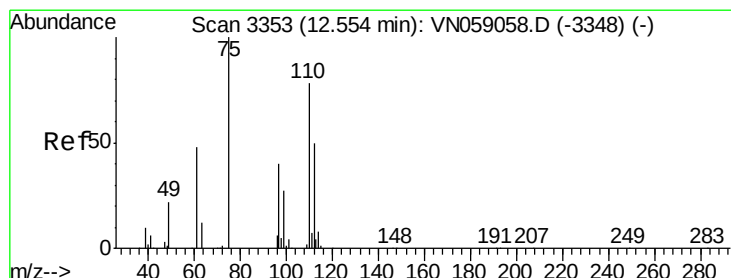
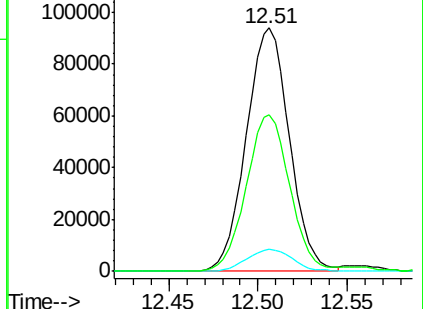
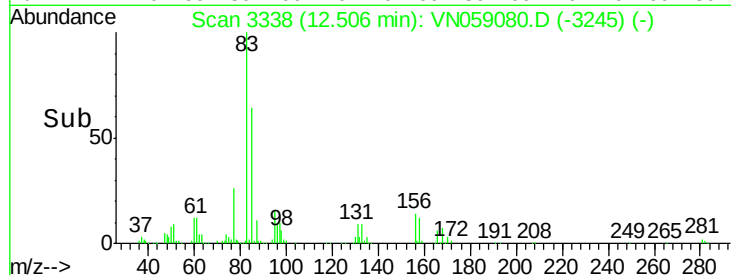
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059080.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059080.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059080.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 29.167 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059080.D

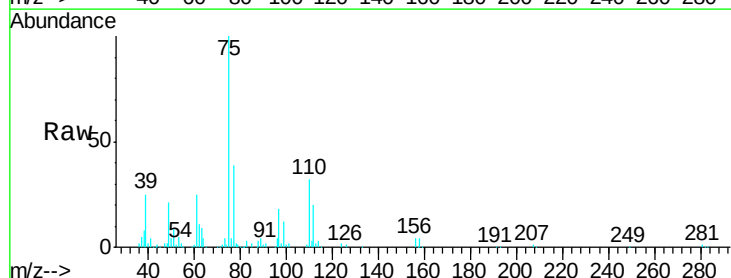
Acq: 4 Nov 2019 12:40

Tgt Ion: 75 Resp: 212922

Ion Ratio Lower Upper

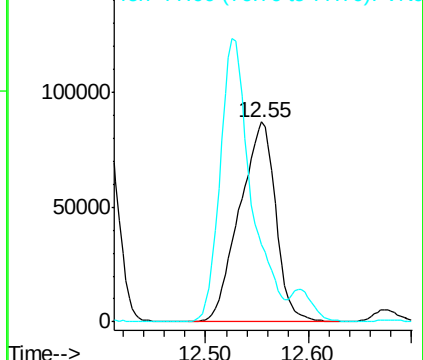
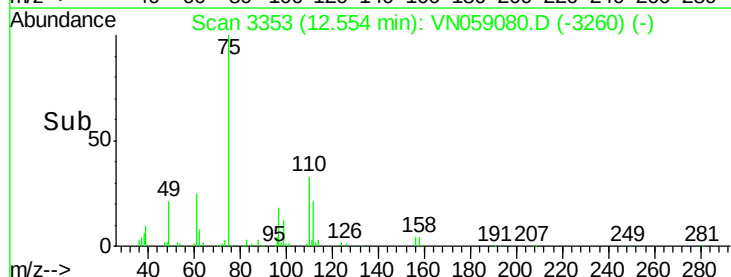
75 100

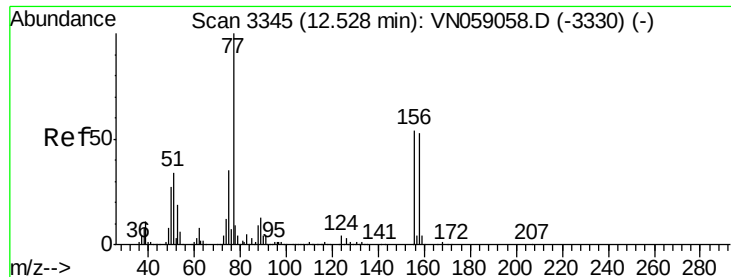
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059080.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059080.D (-3260) (-)





#77

Bromobenzene

Concen: 20.047 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

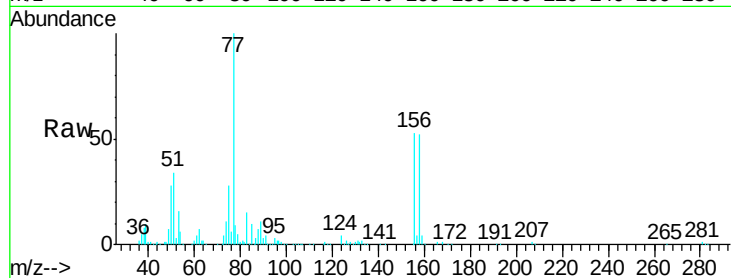
Tgt Ion:156 Resp: 113757

Ion Ratio Lower Upper

156 100

77 227.8 114.2 342.6

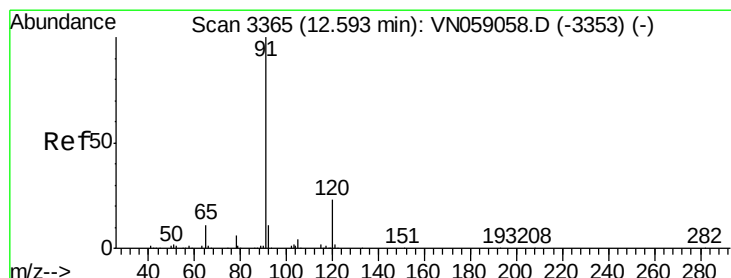
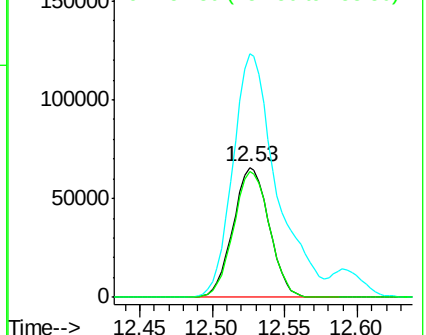
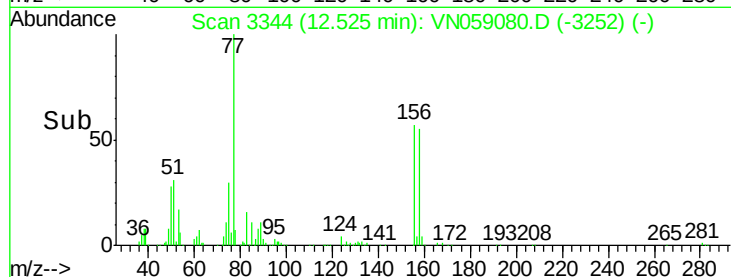
158 96.8 49.6 149.0



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: 21.078 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059080.D

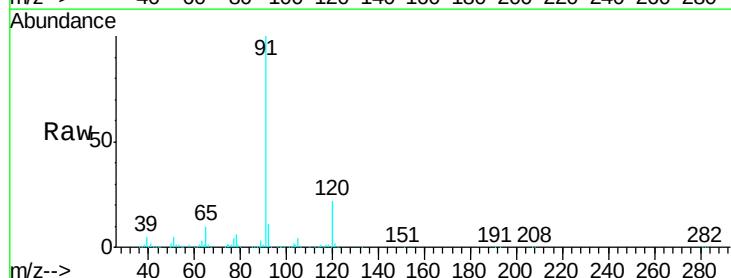
Acq: 4 Nov 2019 12:40

Tgt Ion: 91 Resp: 554028

Ion Ratio Lower Upper

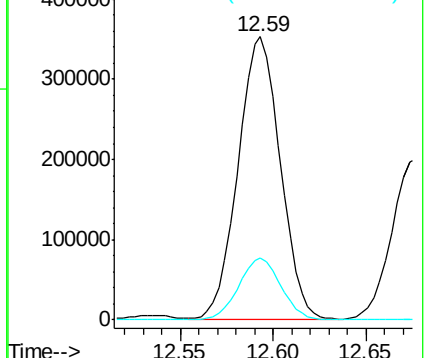
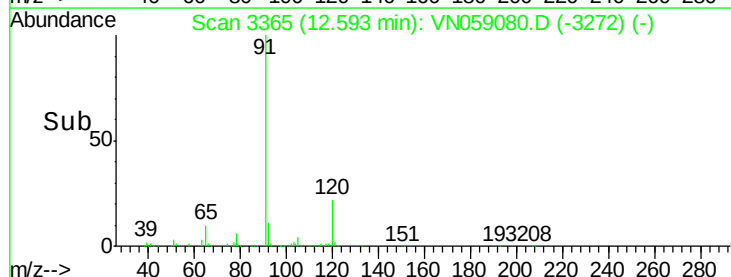
91 100

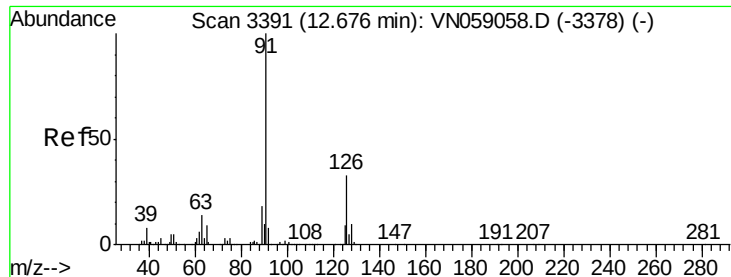
120 22.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.266 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

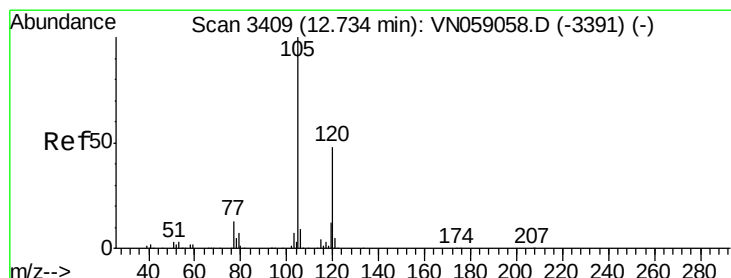
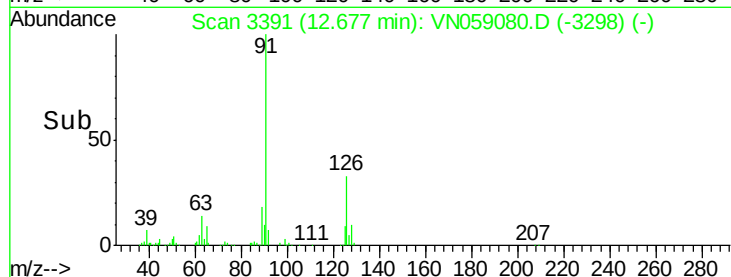
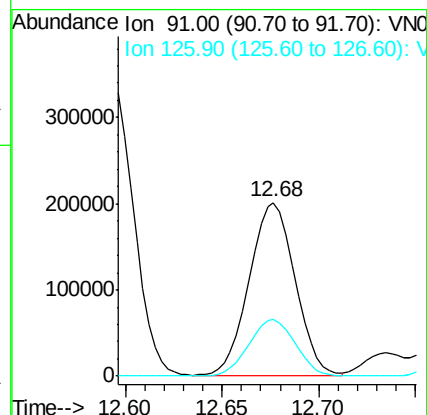
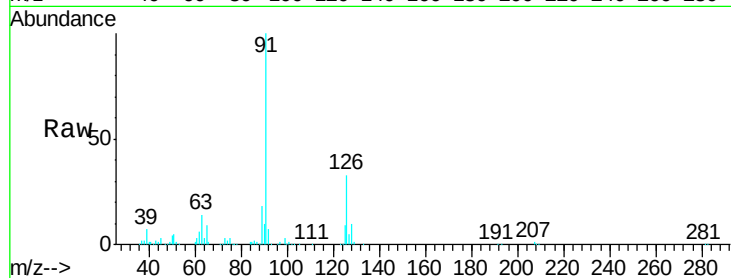
VN1104WBSD02

Tgt Ion: 91 Resp: 330767

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 20.901 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059080.D

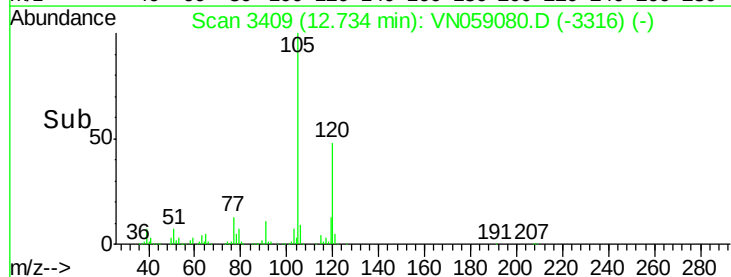
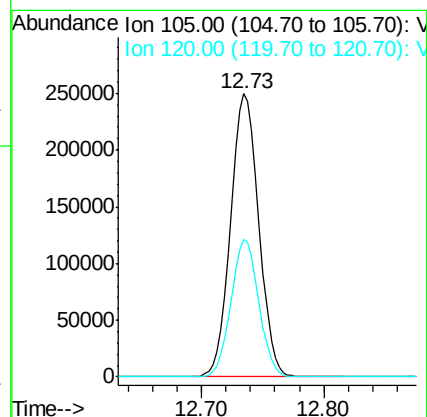
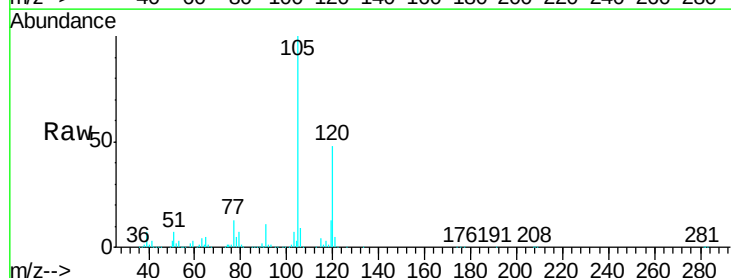
Acq: 4 Nov 2019 12:40

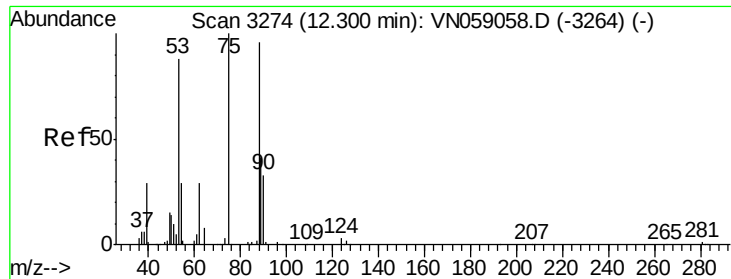
Tgt Ion: 105 Resp: 403143

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.963 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

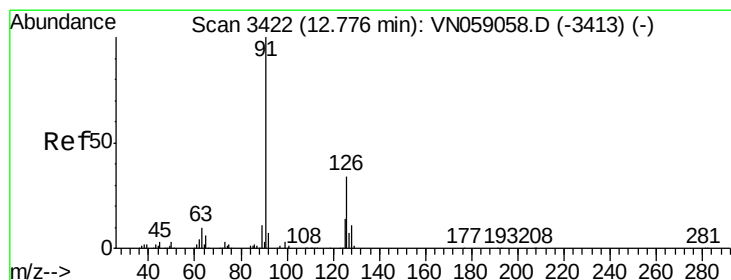
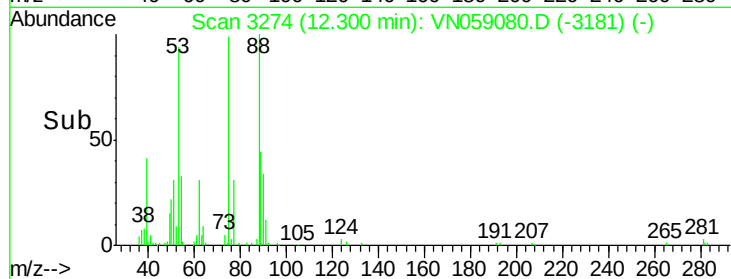
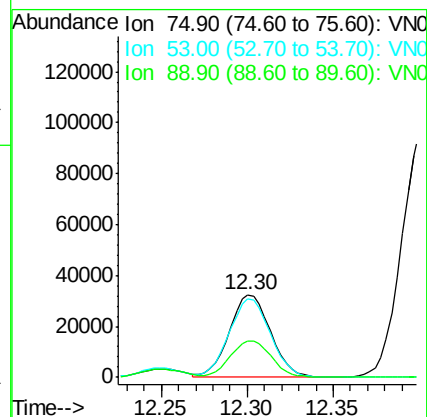
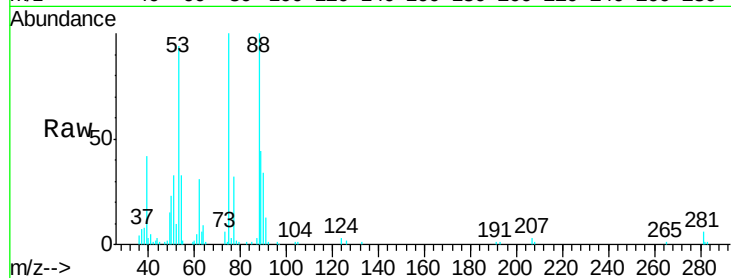
Tgt Ion: 75 Resp: 53999

Ion Ratio Lower Upper

75 100

53 96.3 70.4 105.6

89 44.8 34.2 51.2



#82

4-Chlorotoluene

Concen: 20.004 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059080.D

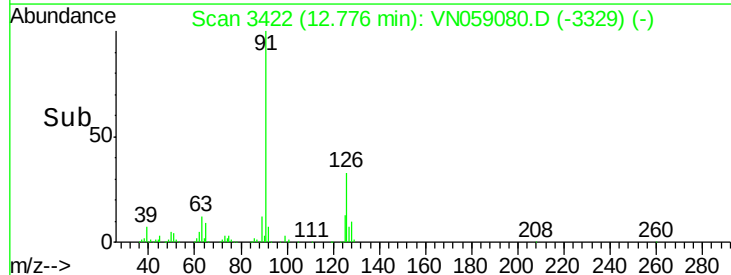
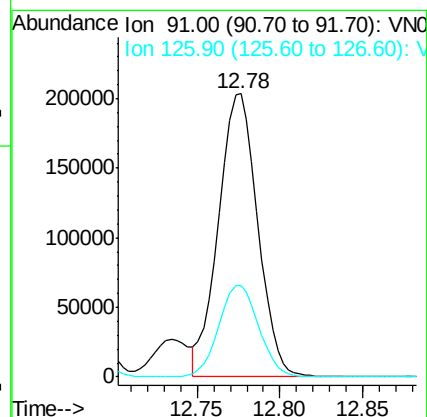
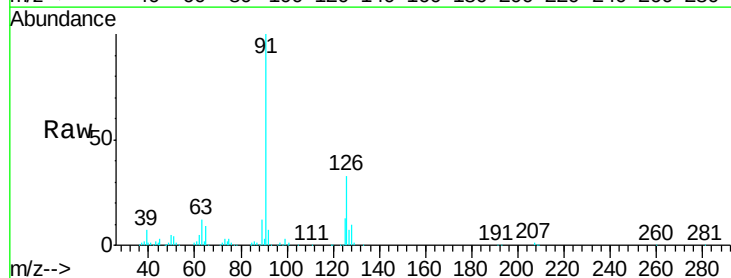
Acq: 4 Nov 2019 12:40

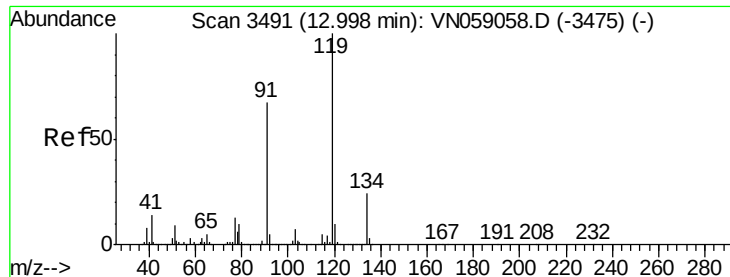
Tgt Ion: 91 Resp: 333198

Ion Ratio Lower Upper

91 100

126 33.2 16.0 47.9





#83

tert-Butylbenzene

Concen: 21.065 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD02

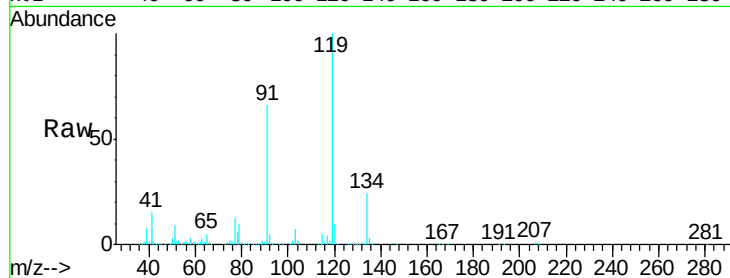
Tgt Ion:119 Resp: 345150

Ion Ratio Lower Upper

119 100

91 65.8 33.7 101.0

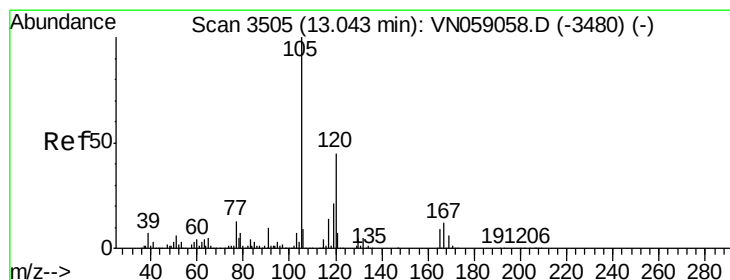
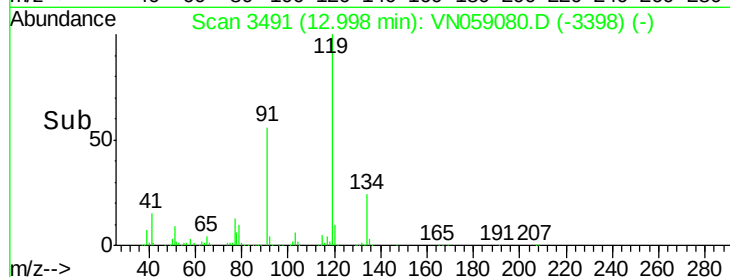
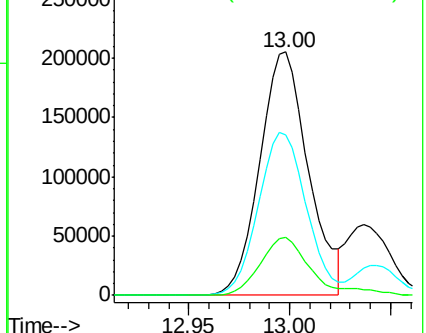
134 25.0 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.938 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059080.D

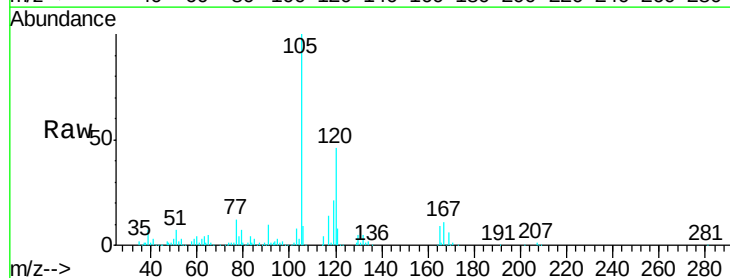
Acq: 4 Nov 2019 12:40

Tgt Ion:105 Resp: 392407

Ion Ratio Lower Upper

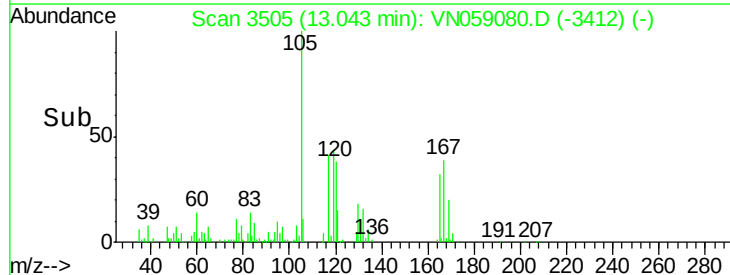
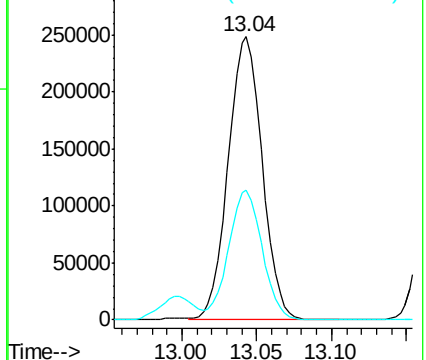
105 100

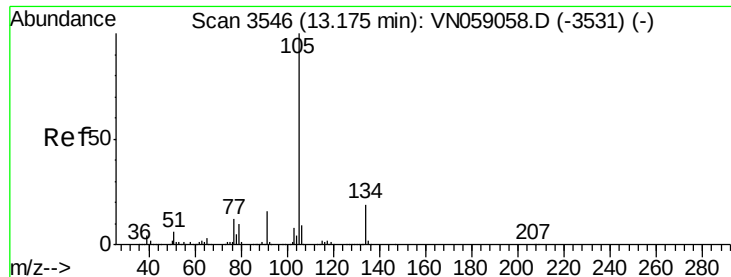
120 45.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.161 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

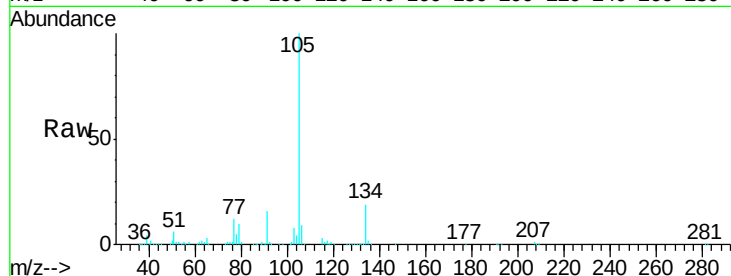
VN1104WBSD02

Tgt Ion:105 Resp: 454415

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

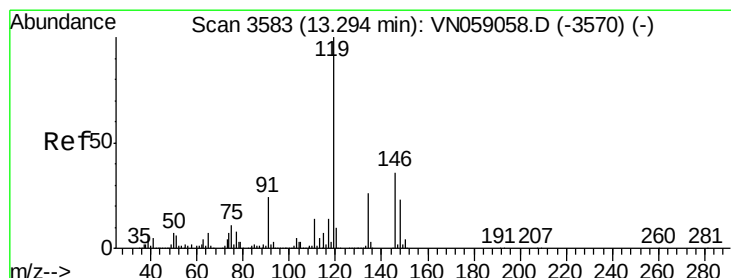
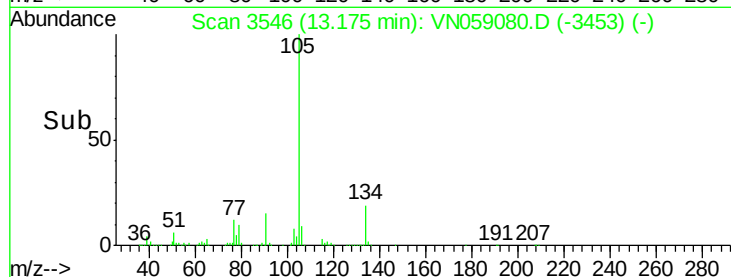
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.764 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

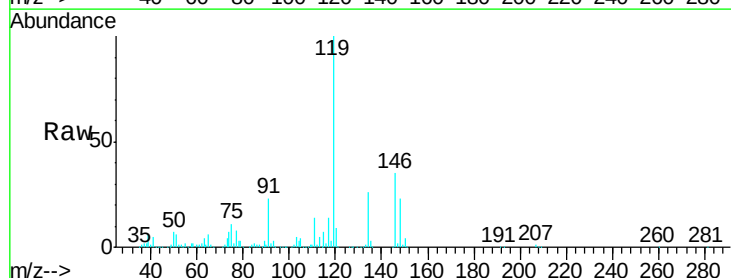
Tgt Ion:119 Resp: 401996

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 23.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

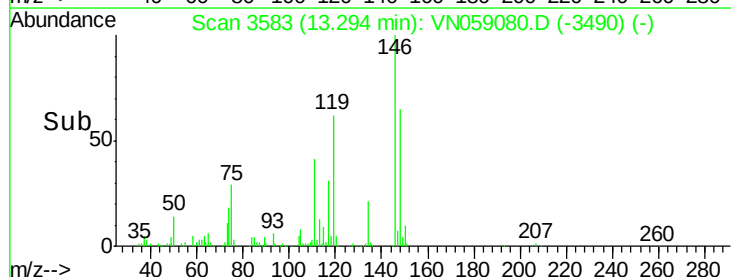
300000

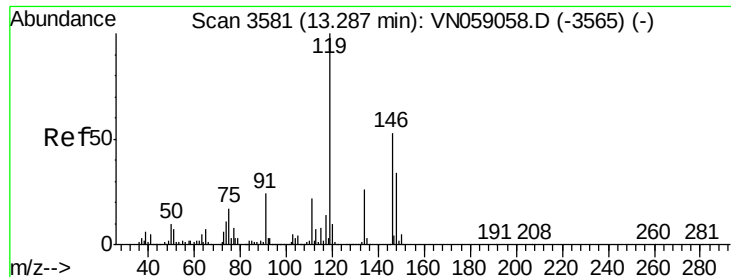
200000

100000

0

Time-->

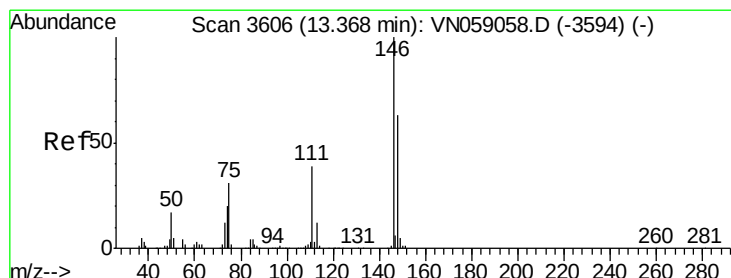
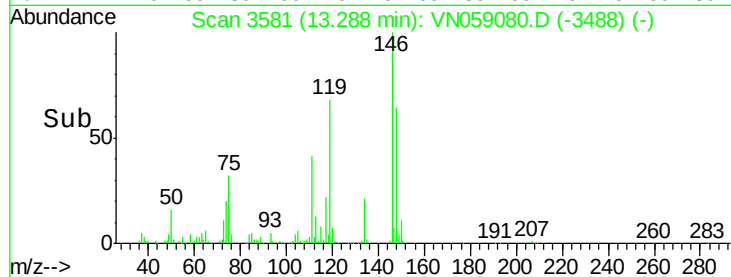
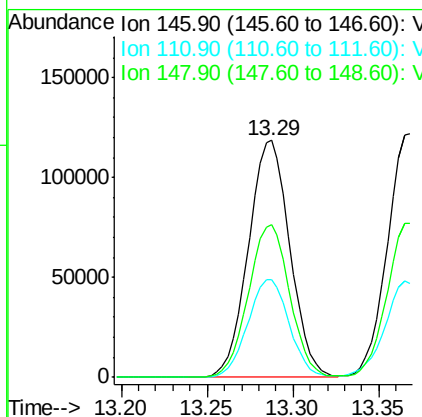
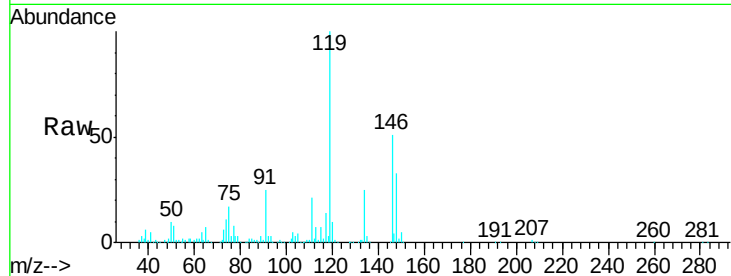




#87
 1,3-Dichlorobenzene
 Concen: 19.679 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

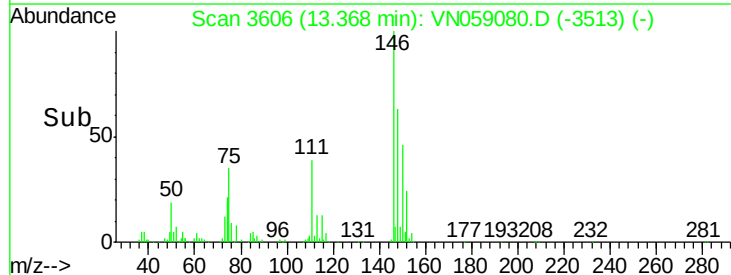
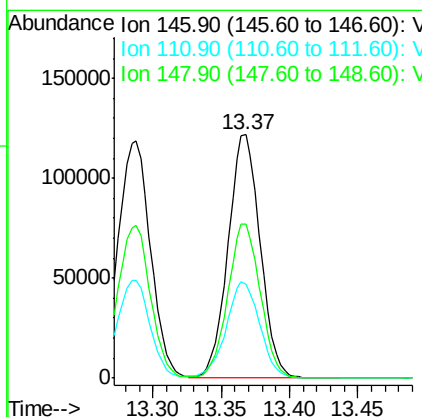
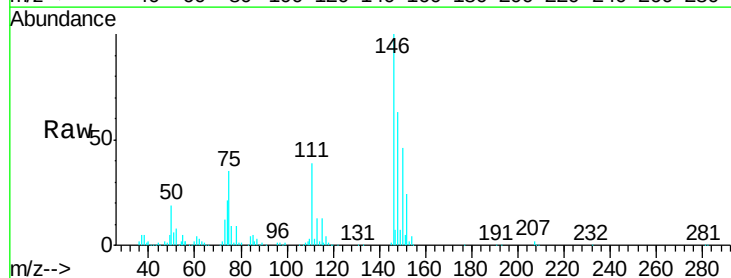
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

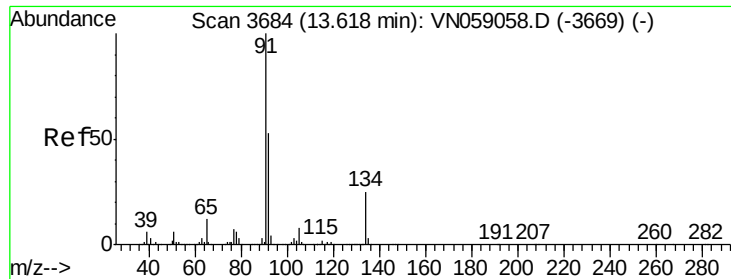
Tgt Ion:146 Resp: 198410
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.028 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion:146 Resp: 199739
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.1 60.2
 148 63.9 31.9 95.7

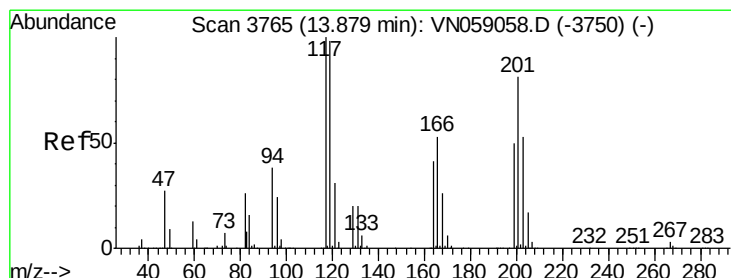
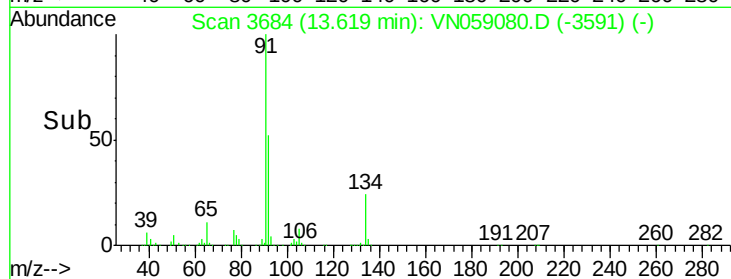
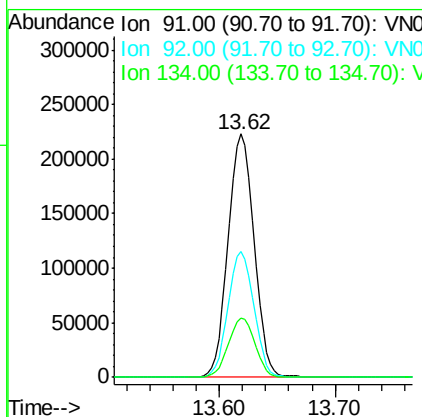
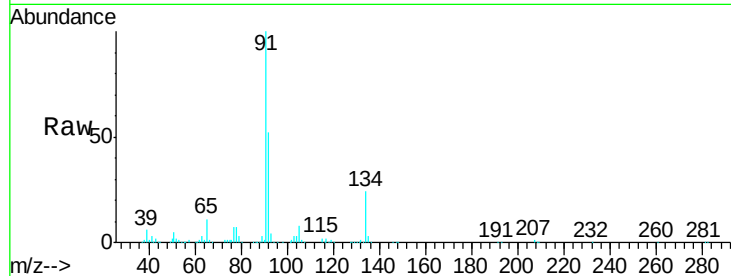




#89
n-Butylbenzene
Concen: 20.464 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

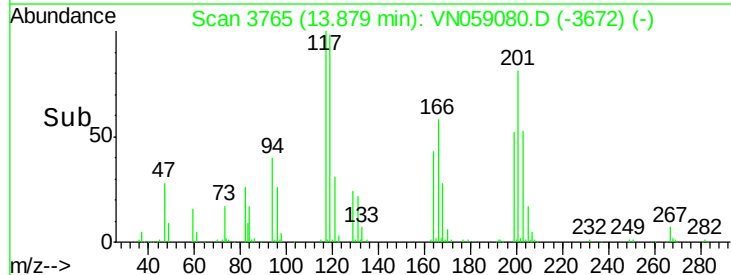
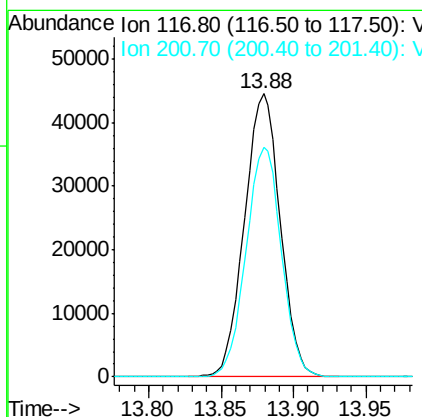
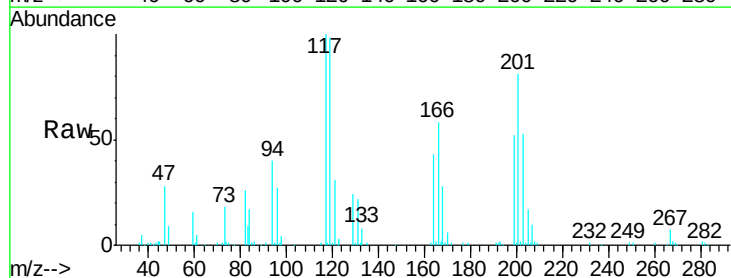
Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

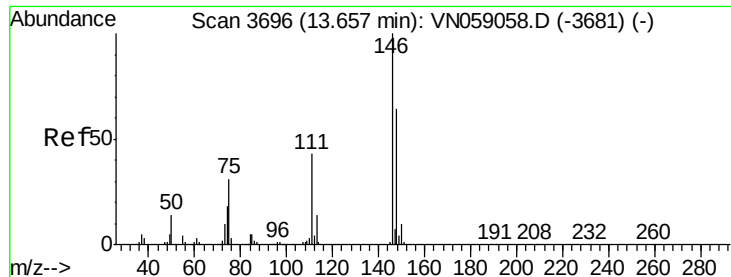
Tgt Ion: 91 Resp: 345209
Ion Ratio Lower Upper
91 100
92 51.6 26.4 79.0
134 24.8 12.5 37.5



#90
Hexachloroethane
Concen: 19.898 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion: 117 Resp: 76578
Ion Ratio Lower Upper
117 100
201 80.2 40.7 122.1

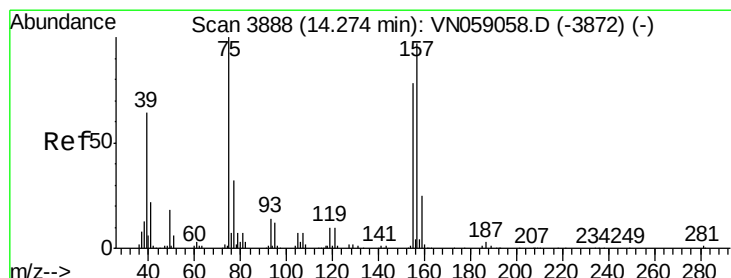
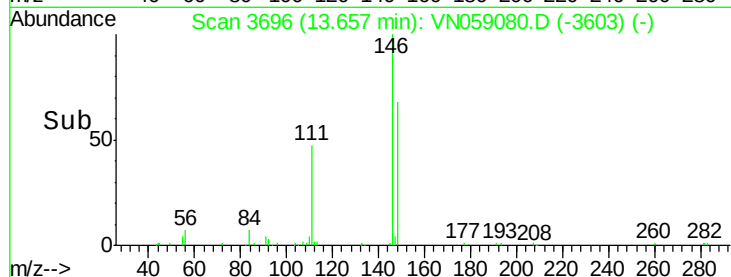
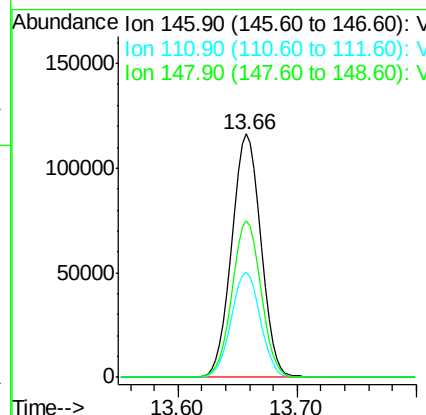
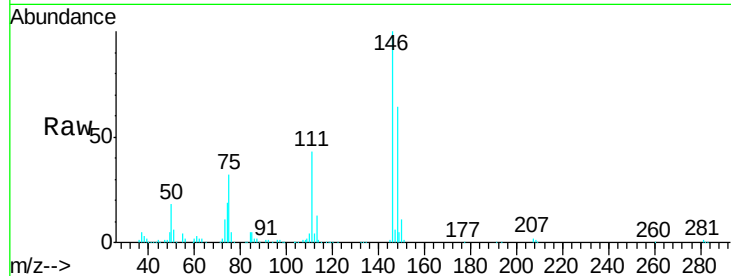




#91
 1,2-Dichlorobenzene
 Concen: 19.752 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

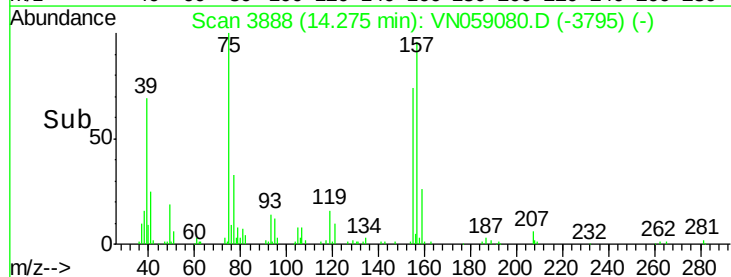
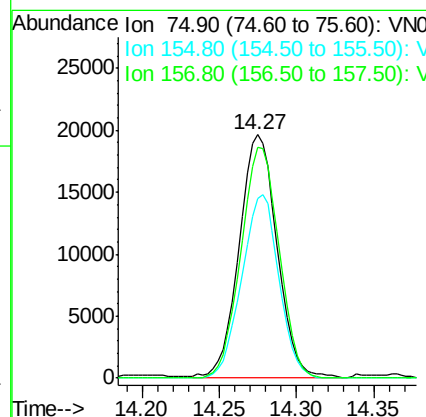
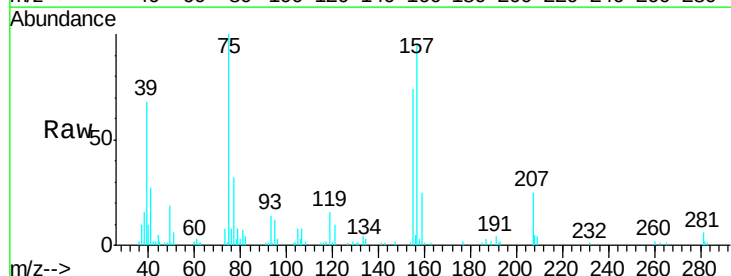
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

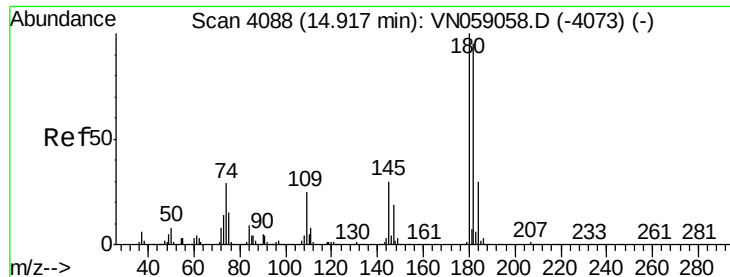
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	63.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.195 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.7	119.1
157	95.1	51.0	153.0

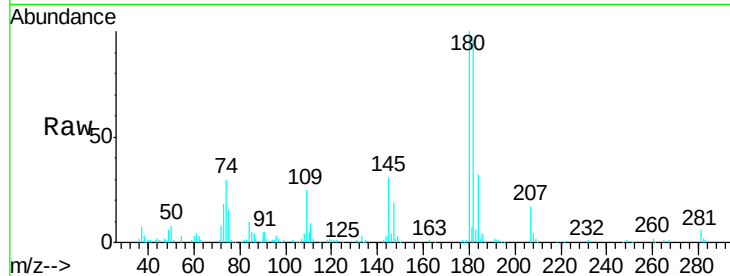




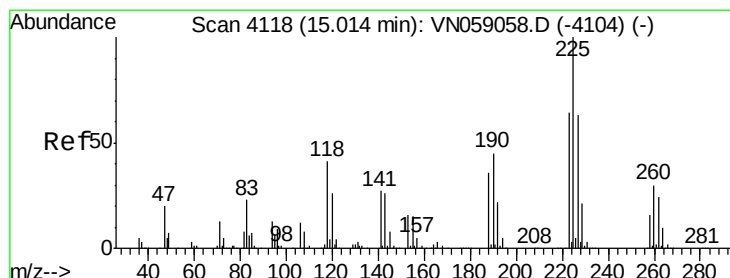
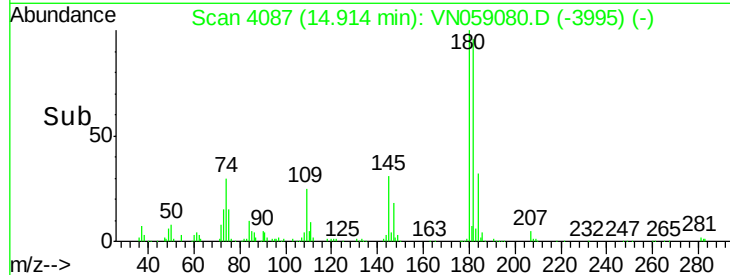
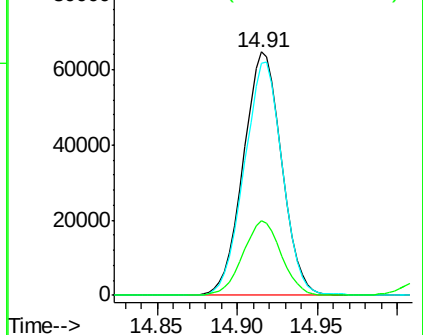
#93
 1,2,4-Trichlorobenzene
 Concen: 19.629 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD02

Tgt Ion:180 Resp: 106213
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.4
 145 30.6 15.1 45.3

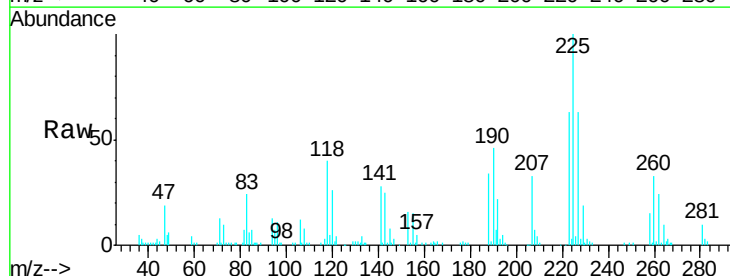


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

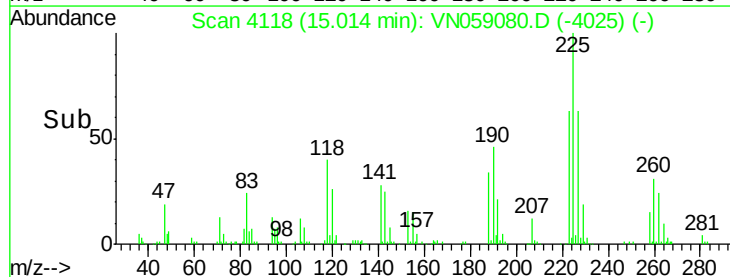
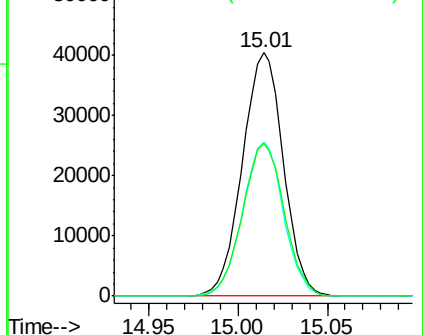


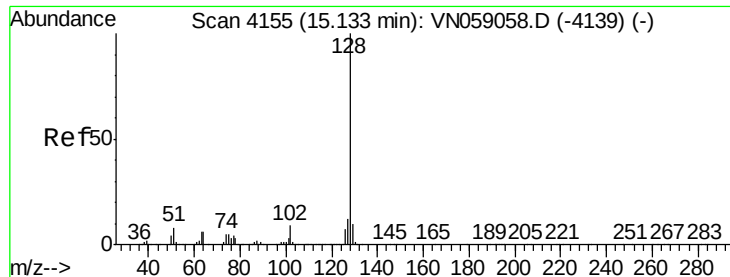
#94
 Hexachlorobutadiene
 Concen: 19.961 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059080.D
 Acq: 4 Nov 2019 12:40

Tgt Ion:225 Resp: 64824
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 95.0
 227 63.8 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

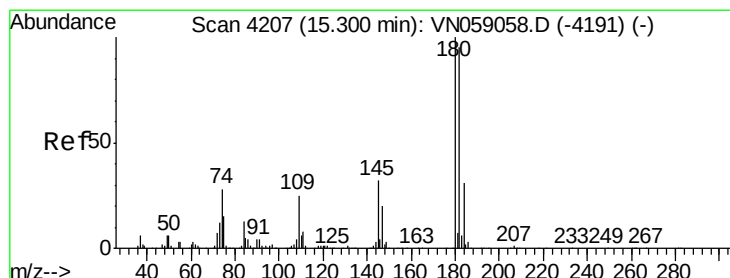
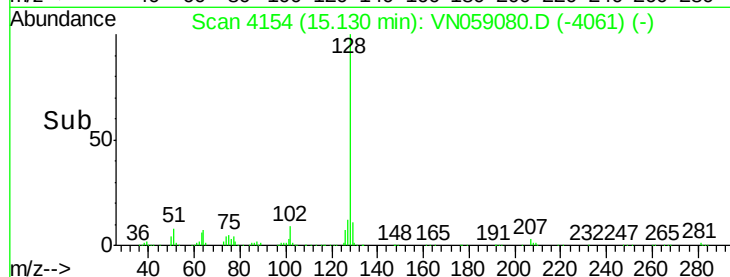
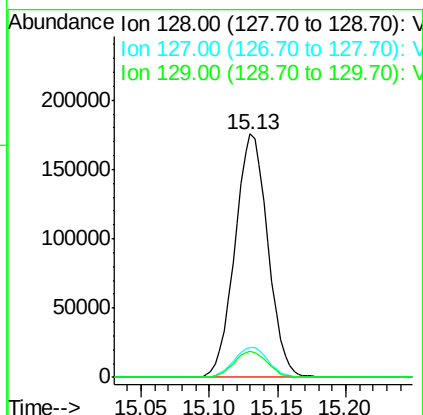
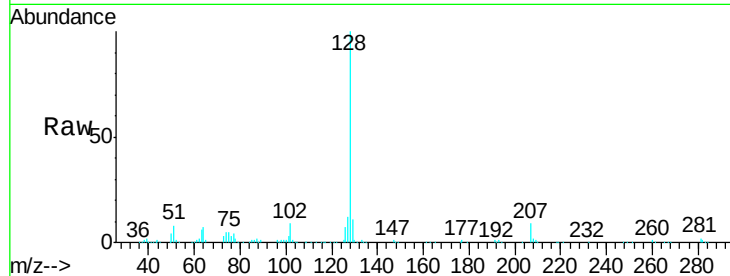




#95
Naphthalene
Concen: 19.384 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD02

Tgt Ion:128 Resp: 294128
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.9 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 19.998 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059080.D
Acq: 4 Nov 2019 12:40

Tgt Ion:180 Resp: 110126
Ion Ratio Lower Upper
180 100
182 95.0 47.7 143.1
145 32.3 16.0 48.0

