

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059571.D
 Acq On : 12 Dec 2019 13:53
 Operator : JC/SP
 Sample : VN1212WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Quant Time: Dec 13 04:04:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	268559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	423417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	386309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	166346	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	
35) Dibromofluoromethane	7.57	113	116577	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	10.08	98	450964	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	
62) 4-Bromofluorobenzene	12.40	95	159965	41.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	50321	16.245	ug/l 99
3) Chloromethane	2.04	50	83559	17.820	ug/l 99
4) Vinyl Chloride	2.17	62	83741	18.119	ug/l 98
5) Bromomethane	2.55	94	50488	17.935	ug/l 100
6) Chloroethane	2.68	64	46796	16.956	ug/l 99
7) Trichlorofluoromethane	3.00	101	100428	18.177	ug/l 100
8) Diethyl Ether	3.38	74	28541	15.074	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48531	16.879	ug/l 99
10) Methyl Iodide	3.92	142	59754	15.348	ug/l 100
11) Tert butyl alcohol	4.75	59	52055	83.830	ug/l 98
12) 1,1-Dichloroethene	3.71	96	44033	15.753	ug/l 97
13) Acrolein	3.58	56	36710	121.485	ug/l 99
14) Allyl chloride	4.29	41	88260	16.414	ug/l 97
15) Acrylonitrile	4.95	53	136045	83.068	ug/l 100
16) Acetone	3.79	43	143454	81.815	ug/l 99
17) Carbon Disulfide	4.02	76	142135	15.677	ug/l 99
18) Methyl Acetate	4.29	43	74327	16.146	ug/l 97
19) Methyl tert-butyl Ether	5.01	73	160085	17.229	ug/l 99
20) Methylene Chloride	4.52	84	56009	17.548	ug/l 95
21) trans-1,2-Dichloroethene	5.01	96	50243	16.747	ug/l 97
22) Diisopropyl ether	5.92	45	177722	17.362	ug/l 97
23) Vinyl Acetate	5.86	43	727826	85.237	ug/l 100
24) 1,1-Dichloroethane	5.81	63	101216	17.416	ug/l 100
25) 2-Butanone	6.81	43	198668	84.177	ug/l 100
26) 2,2-Dichloropropane	6.79	77	91866	17.497	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	57458	17.028	ug/l 100
28) Bromochloromethane	7.17	49	45046	22.146	ug/l 97
29) Tetrahydrofuran	7.18	42	128795	78.454	ug/l 100
30) Chloroform	7.35	83	98464	17.166	ug/l 99
31) Cyclohexane	7.63	56	92847	16.416	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	87079	17.113	ug/l 100
36) 1,1-Dichloropropene	7.77	75	75347	17.345	ug/l 99
37) Ethyl Acetate	6.90	43	83003	17.419	ug/l 99
38) Carbon Tetrachloride	7.75	117	77447	18.087	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	84521	17.345	ug/l	98
40) Benzene	8.02	78	215853	17.394	ug/l	98
41) Methacrylonitrile	7.14	41	31834	15.079	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	85964	18.592	ug/l	99
43) Isopropyl Acetate	8.14	43	129017	17.205	ug/l	99
44) Trichloroethene	8.82	130	56914	18.153	ug/l	96
45) 1,2-Dichloropropane	9.10	63	58549	17.810	ug/l	99
46) Dibromomethane	9.19	93	38010	17.495	ug/l	98
47) Bromodichloromethane	9.39	83	77338	17.911	ug/l	99
48) Methyl methacrylate	9.18	41	56059	17.097	ug/l	100
49) 1,4-Dioxane	9.19	88	17433	415.555	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	388298	80.948	ug/l	99
52) Toluene	10.14	92	131923	17.842	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	86809	17.255	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	94197	18.294	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	52947	17.705	ug/l	97
56) Ethyl methacrylate	10.42	69	72846	15.666	ug/l	99
57) 1,3-Dichloropropane	10.70	76	90048	17.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	141716	115.678	ug/l	99
59) 2-Hexanone	10.74	43	285733	80.033	ug/l	100
60) Dibromochloromethane	10.90	129	56613	16.577	ug/l	99
61) 1,2-Dibromoethane	11.00	107	54649	17.554	ug/l	97
64) Tetrachloroethene	10.62	164	54163	19.184	ug/l	98
65) Chlorobenzene	11.43	112	140754	17.389	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	52583	17.418	ug/l	99
67) Ethyl Benzene	11.51	91	249755	17.147	ug/l	99
68) m/p-Xylenes	11.62	106	184833	33.827	ug/l	98
69) o-Xylene	11.94	106	86597	17.027	ug/l	96
70) Styrene	11.96	104	139981	16.614	ug/l	97
71) Bromoform	12.12	173	37897	15.954	ug/l #	98
73) Isopropylbenzene	12.25	105	234393	17.282	ug/l	100
74) N-amyl acetate	12.07	43	100808	17.063	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	75174	16.357	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	106484	23.029	ug/l #	100
77) Bromobenzene	12.52	156	57023	16.888	ug/l	95
78) n-propylbenzene	12.59	91	281993	16.920	ug/l	99
79) 2-Chlorotoluene	12.67	91	166773	16.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	202444	17.406	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	27257	15.860	ug/l #	86
82) 4-Chlorotoluene	12.77	91	171762	16.903	ug/l	99
83) tert-Butylbenzene	12.99	119	165635	17.078	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	198734	17.305	ug/l	98
85) sec-Butylbenzene	13.17	105	229368	17.218	ug/l	99
86) p-Isopropyltoluene	13.29	119	203378	17.081	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	102766	16.524	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103397	16.979	ug/l	99
89) n-Butylbenzene	13.62	91	190978	17.082	ug/l	98
90) Hexachloroethane	13.87	117	39008	17.839	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	98613	16.896	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17297	17.811	ug/l	89

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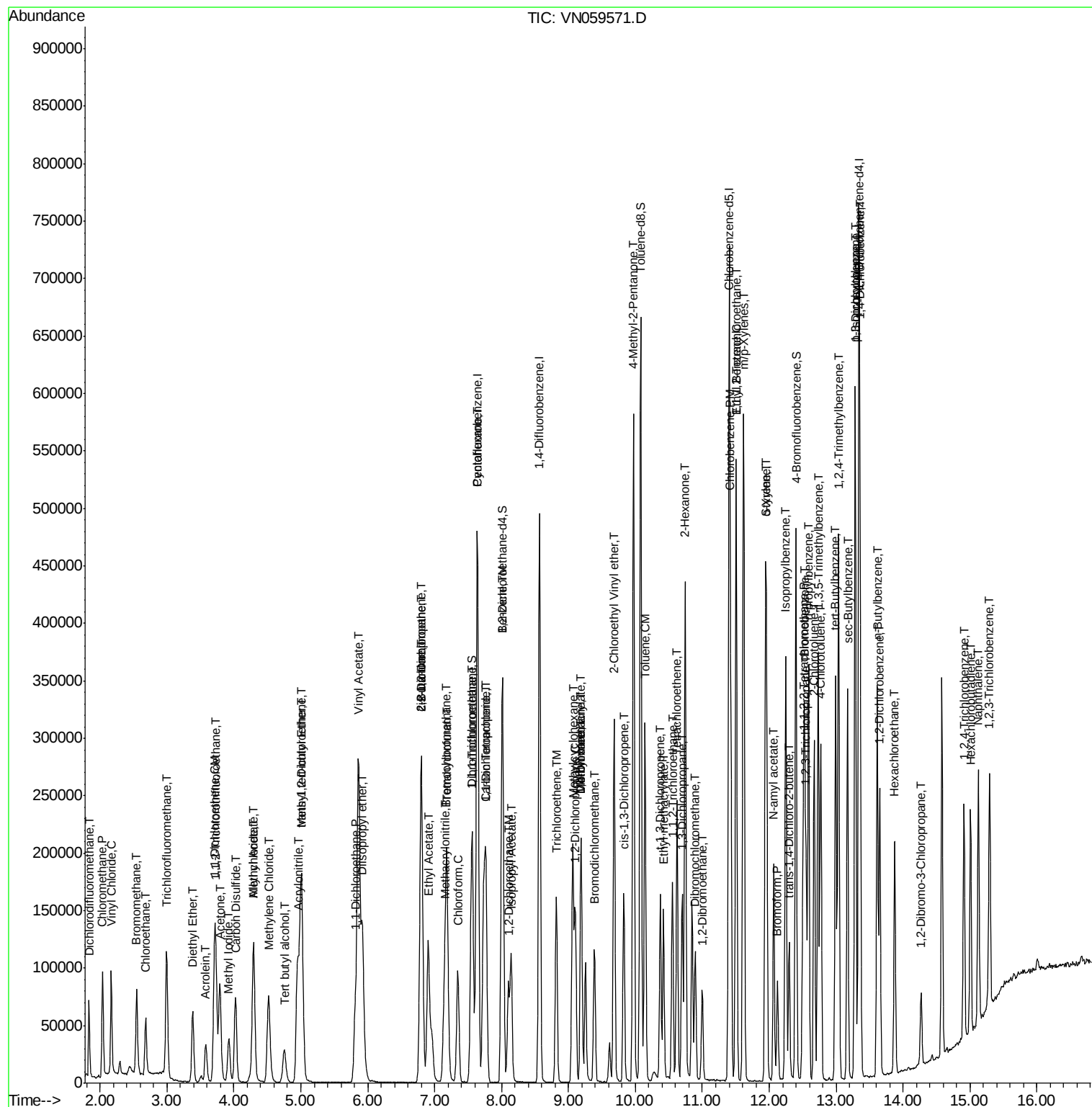
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61989	15.356	ug/l	99
94) Hexachlorobutadiene	15.01	225	33741	16.361	ug/l	98
95) Naphthalene	15.12	128	174734	14.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	62695	17.587	ug/l	99

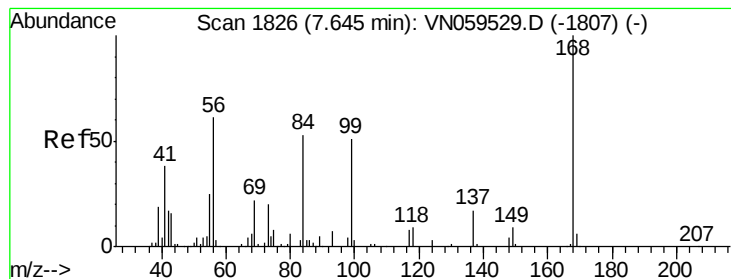
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

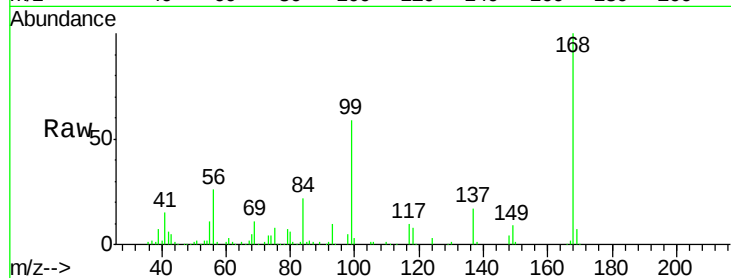
VN1212WBS01

Tgt Ion:168 Resp: 268559

Ion Ratio Lower Upper

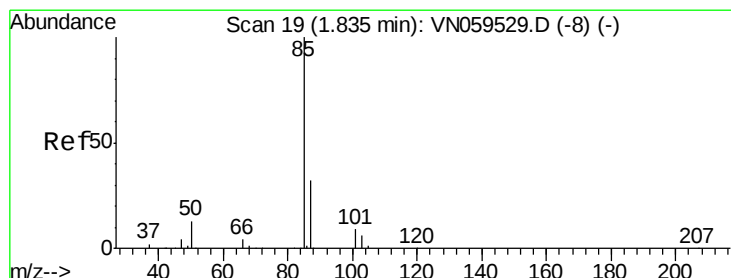
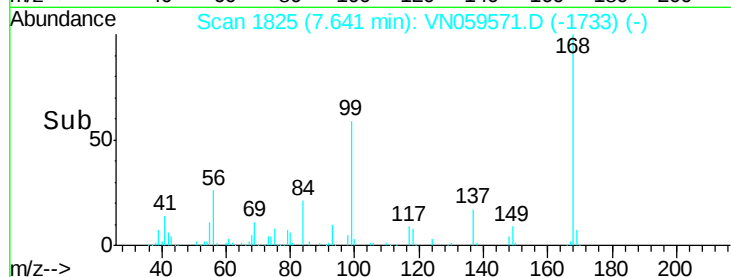
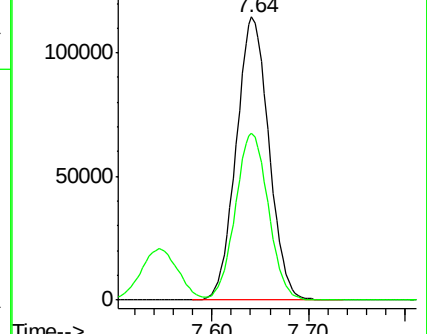
168 100

99 58.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.245 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059571.D

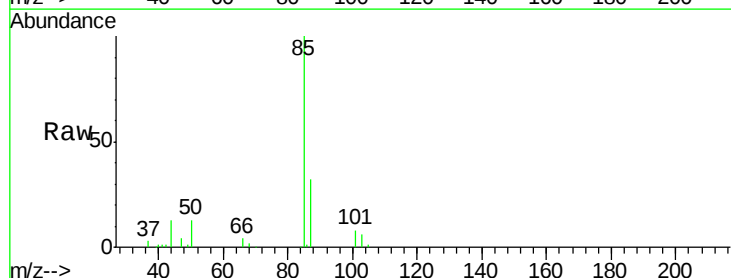
Acq: 12 Dec 2019 13:53

Tgt Ion: 85 Resp: 50321

Ion Ratio Lower Upper

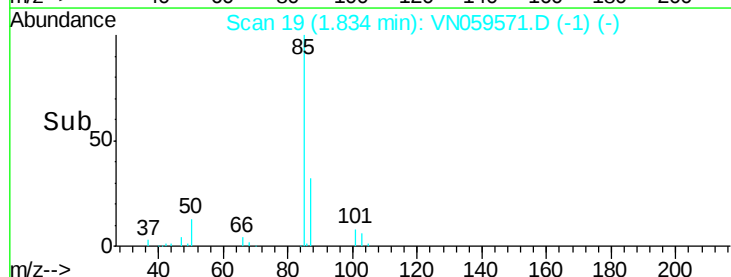
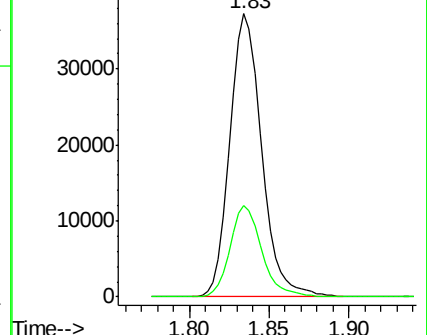
85 100

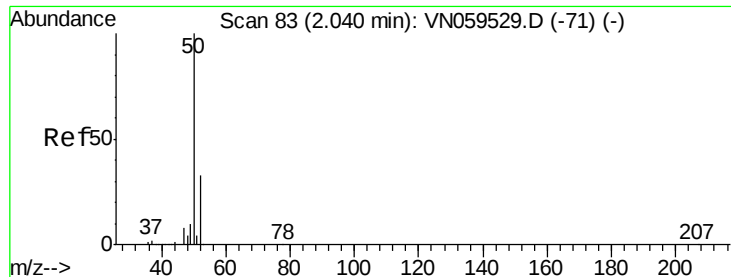
87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.820 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

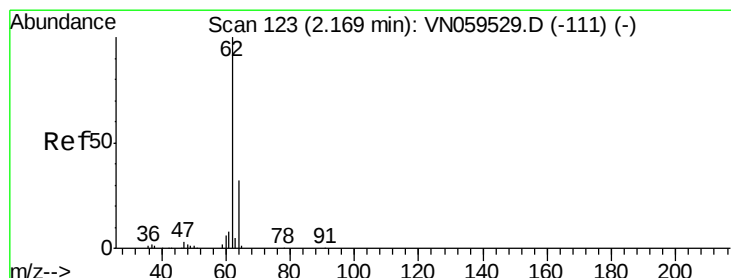
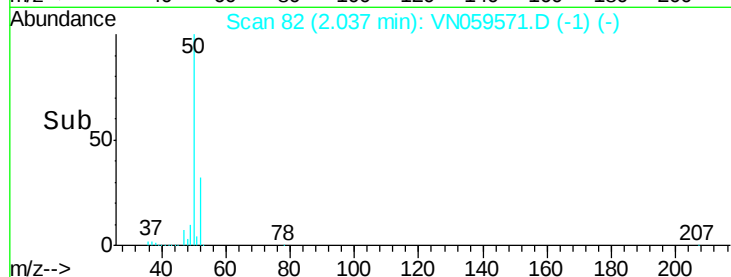
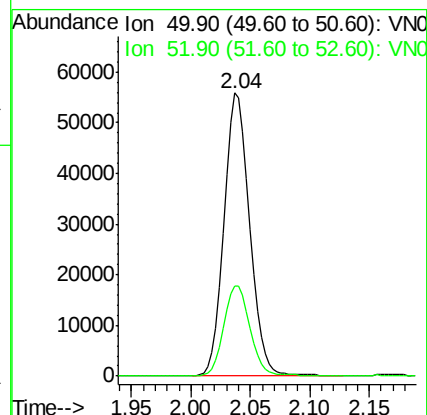
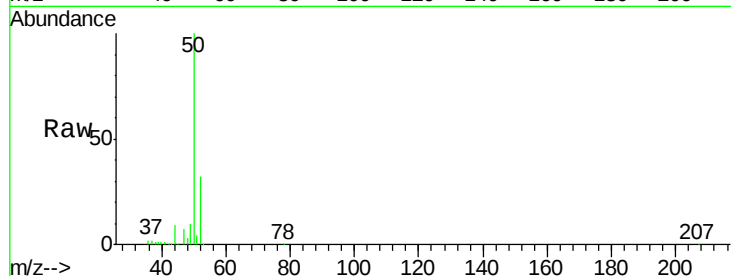
VN1212WBS01

Tgt Ion: 50 Resp: 83559

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4



#4

Vinyl Chloride

Concen: 18.119 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059571.D

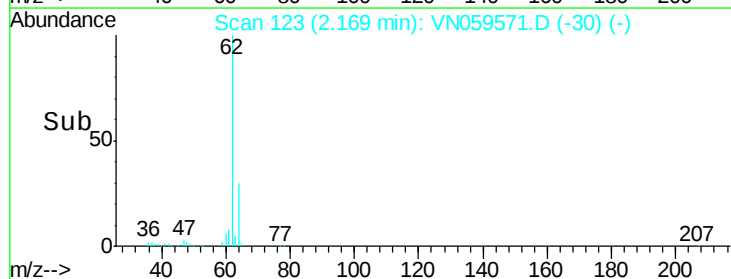
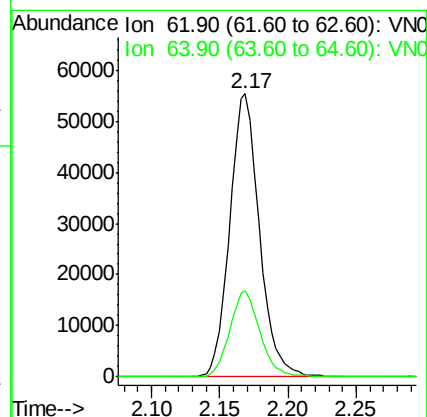
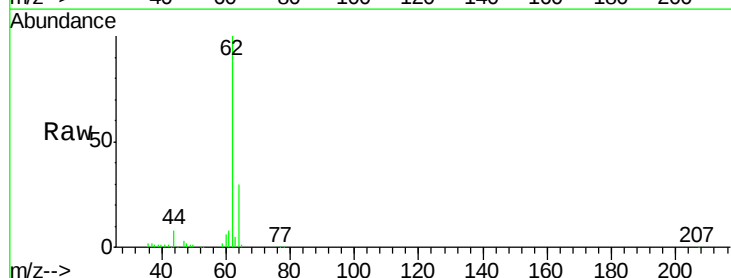
Acq: 12 Dec 2019 13:53

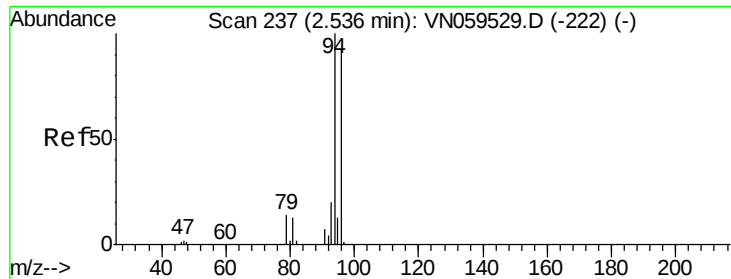
Tgt Ion: 62 Resp: 83741

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.0





#5

Bromomethane

Concen: 17.935 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

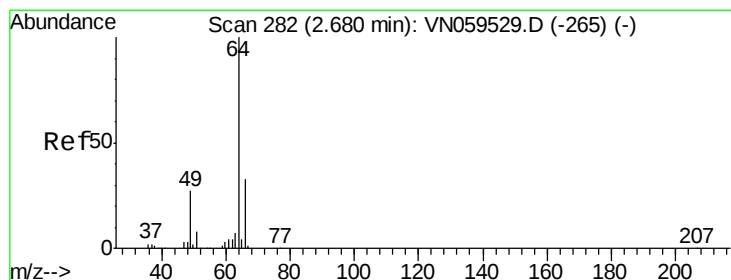
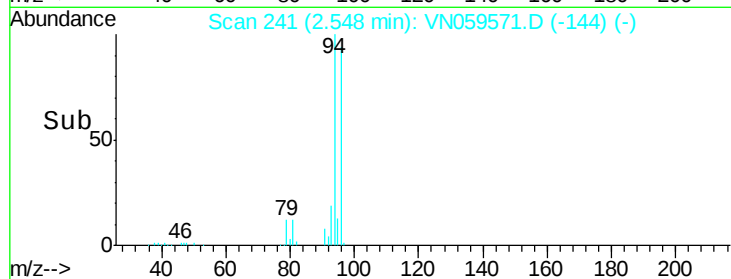
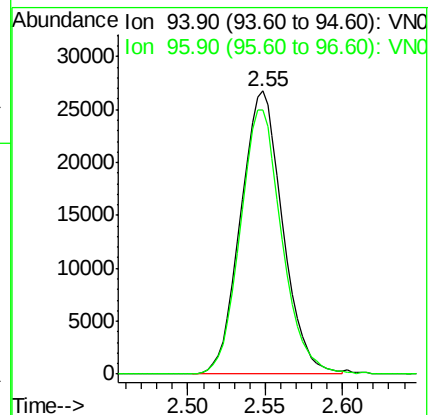
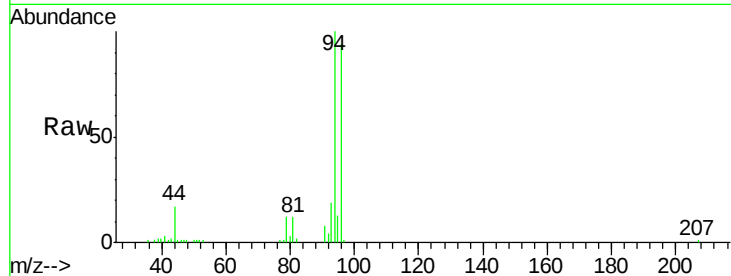
VN1212WBS01

Tgt Ion: 94 Resp: 50488

Ion Ratio Lower Upper

94 100

96 93.5 74.6 112.0



#6

Chloroethane

Concen: 16.956 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059571.D

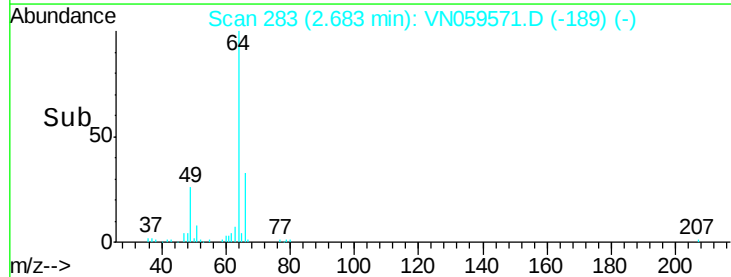
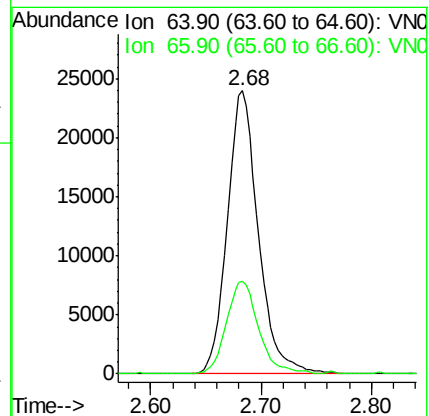
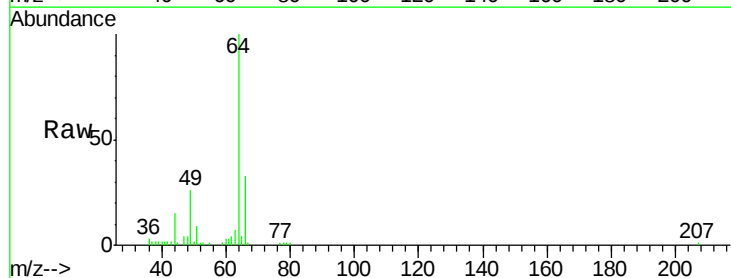
Acq: 12 Dec 2019 13:53

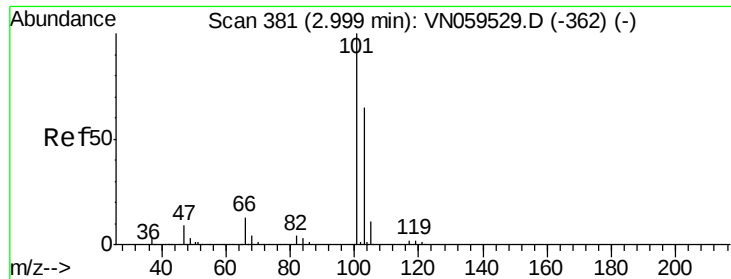
Tgt Ion: 64 Resp: 46796

Ion Ratio Lower Upper

64 100

66 32.8 26.7 40.1



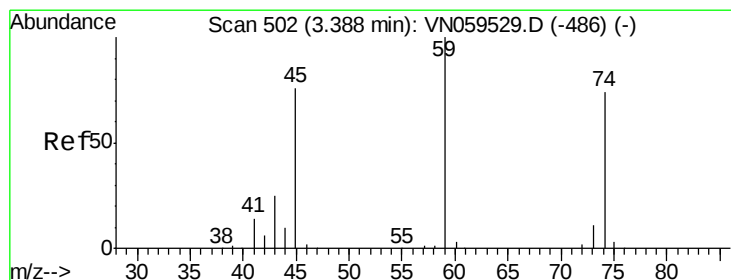
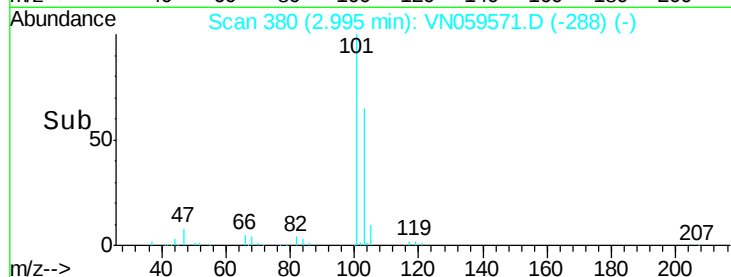
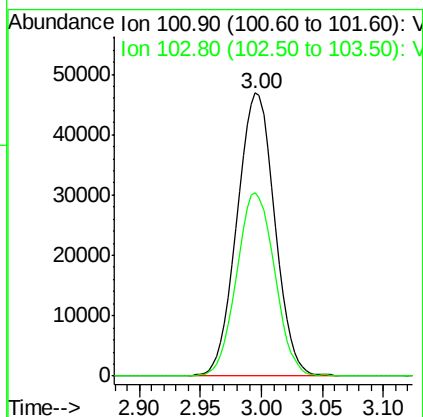
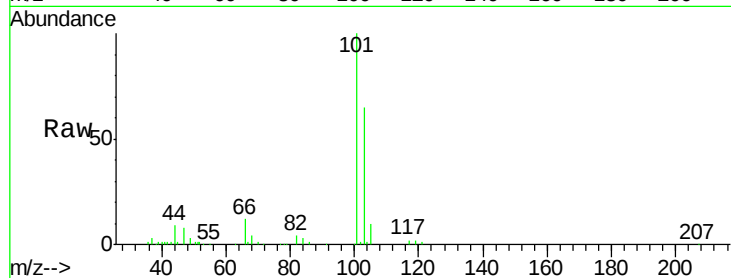


#7

Trichlorofluoromethane
Concen: 18.177 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Instrument :
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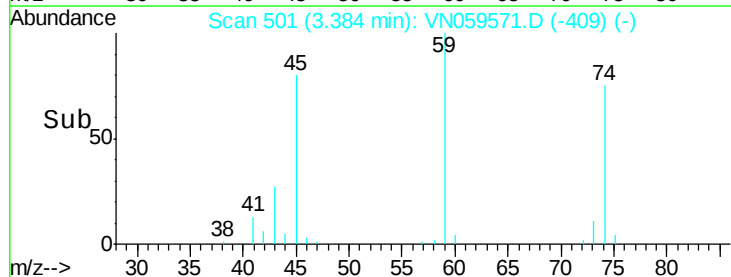
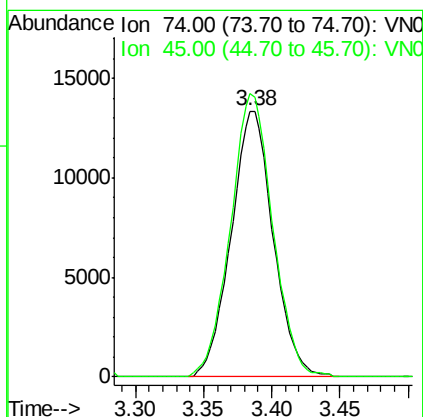
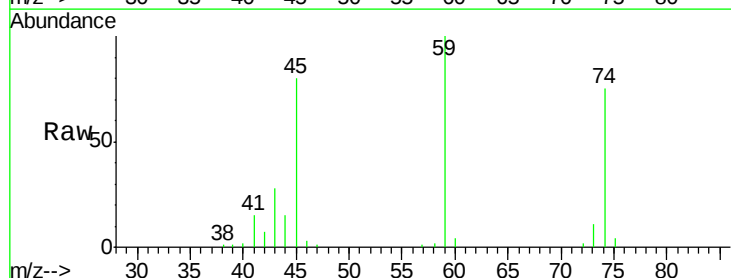
Tgt Ion:101 Resp: 100428
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

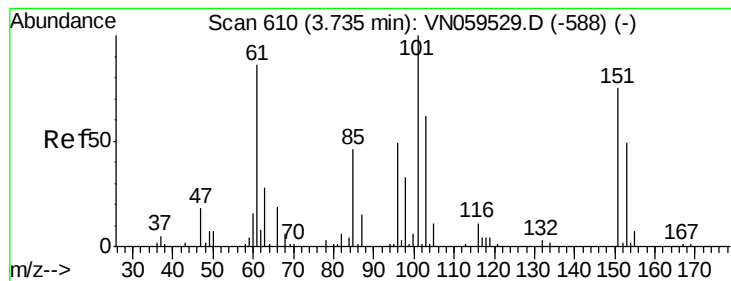


#8

Diethyl Ether
Concen: 15.074 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 74 Resp: 28541
Ion Ratio Lower Upper
74 100
45 107.3 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.879 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

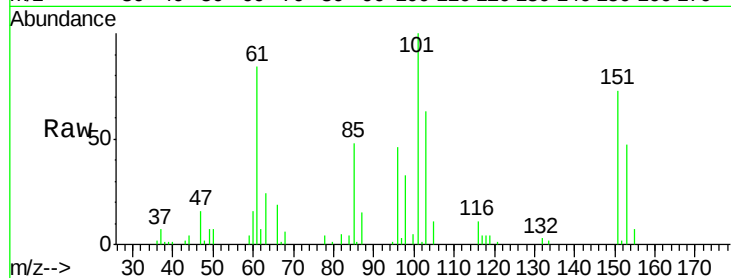
Tgt Ion:101 Resp: 48531

Ion Ratio Lower Upper

101 100

85 45.4 36.6 54.8

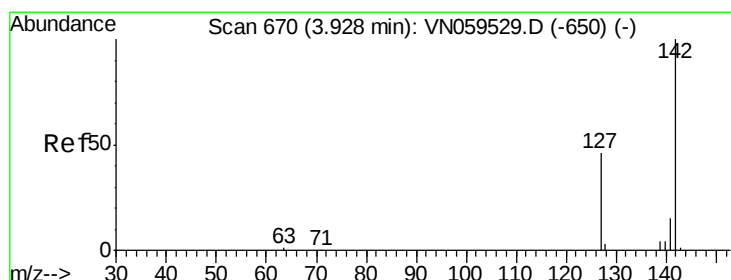
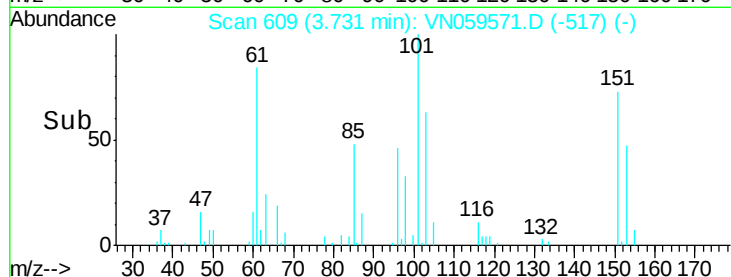
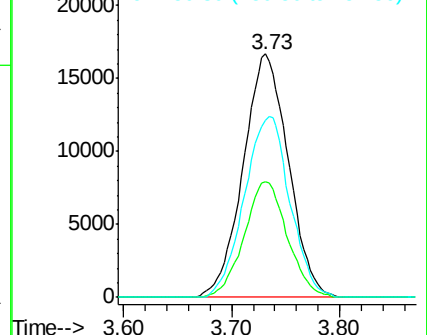
151 75.0 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.348 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

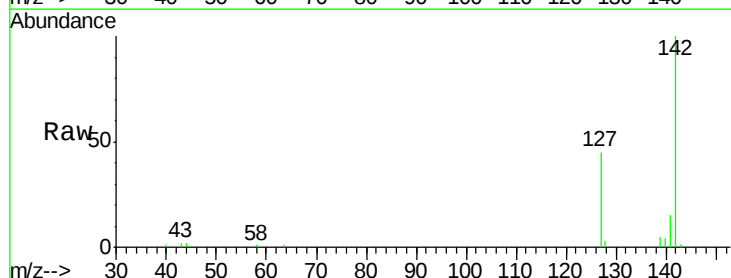
Tgt Ion:142 Resp: 59754

Ion Ratio Lower Upper

142 100

127 45.6 36.6 54.8

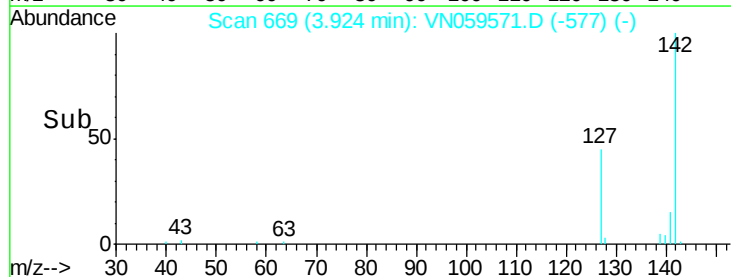
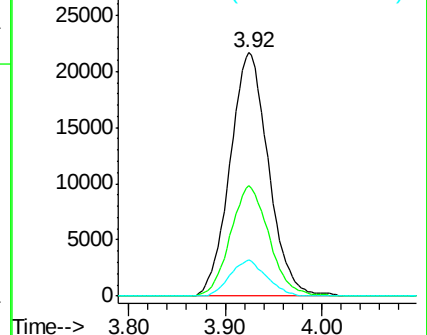
141 13.9 11.6 17.4

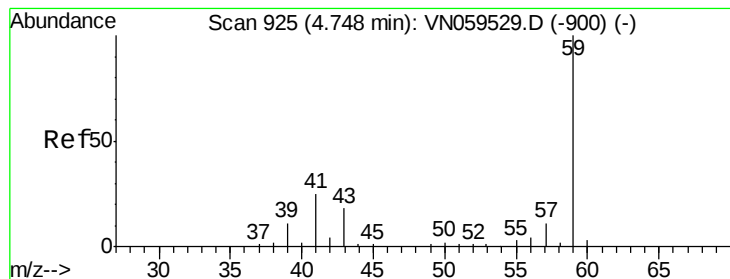


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 83.830 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.01 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

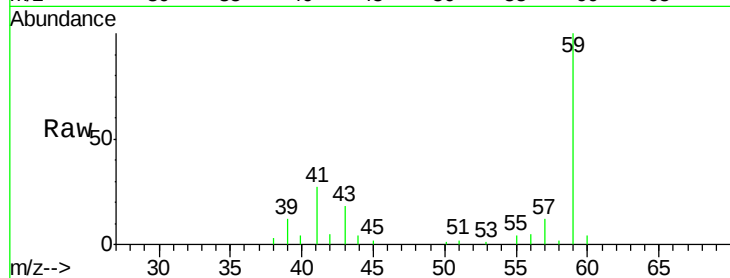
VN1212WBS01

Tgt Ion: 59 Resp: 52055

Ion Ratio Lower Upper

59 100

57 10.0 8.6 13.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

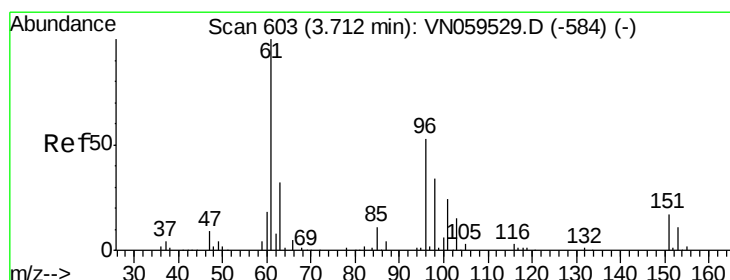
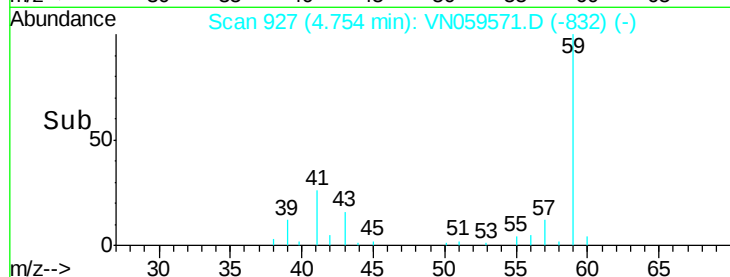
15000

10000

5000

0

Time--> 4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 15.753 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

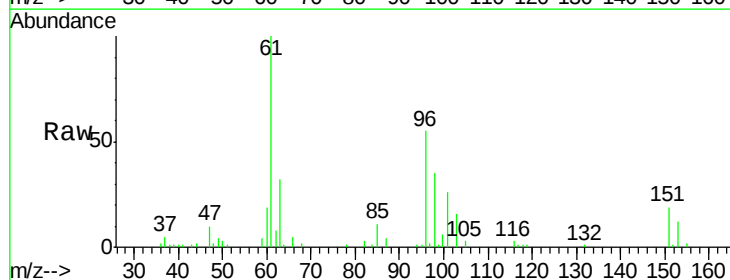
Tgt Ion: 96 Resp: 44033

Ion Ratio Lower Upper

96 100

61 181.3 149.8 224.6

98 64.1 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

40000

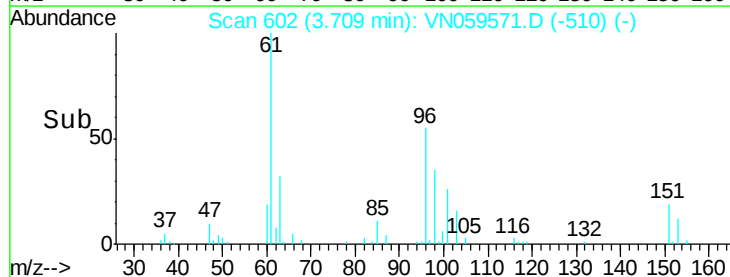
30000

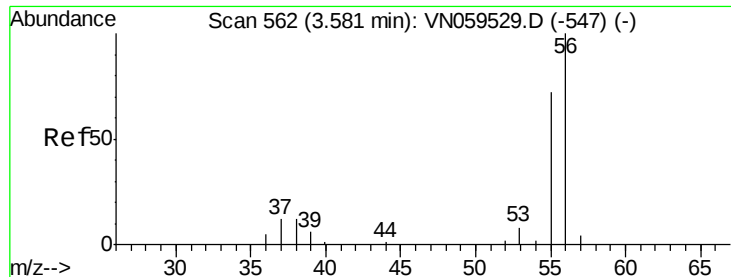
20000

10000

0

Time--> 3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 121.485 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

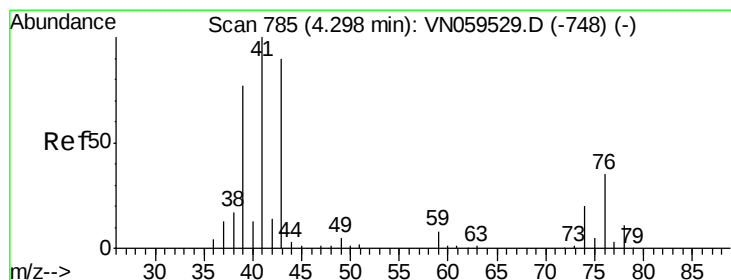
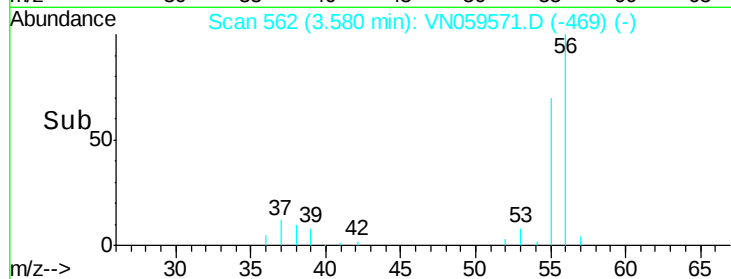
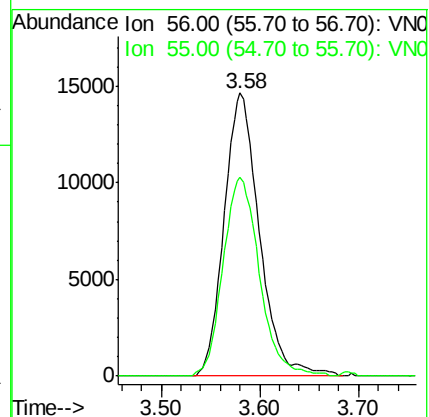
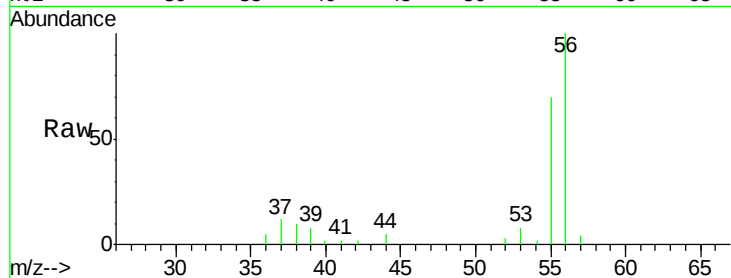
VN1212WBS01

Tgt Ion: 56 Resp: 36710

Ion Ratio Lower Upper

56 100

55 72.2 56.9 85.3



#14

Allyl chloride

Concen: 16.414 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

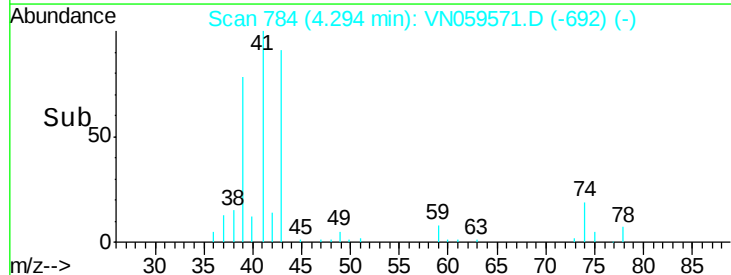
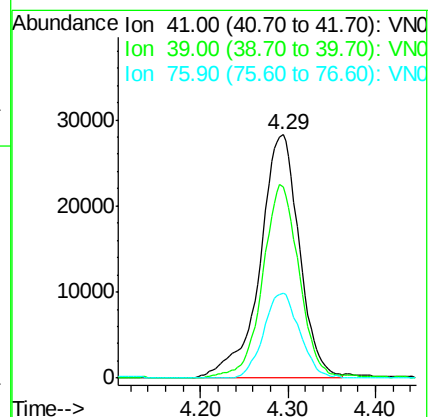
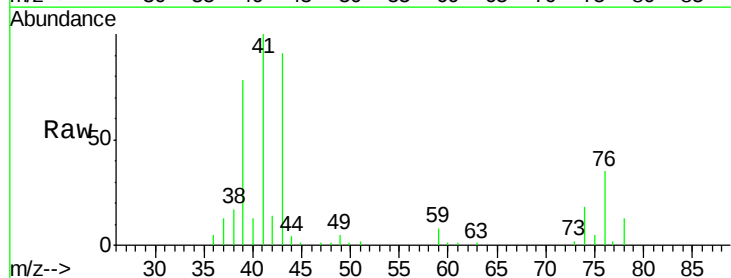
Tgt Ion: 41 Resp: 88260

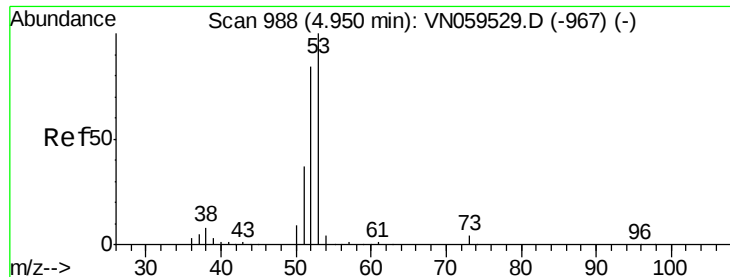
Ion Ratio Lower Upper

41 100

39 74.1 56.7 85.1

76 31.9 25.5 38.3





#15

Acrylonitrile

Concen: 83.068 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

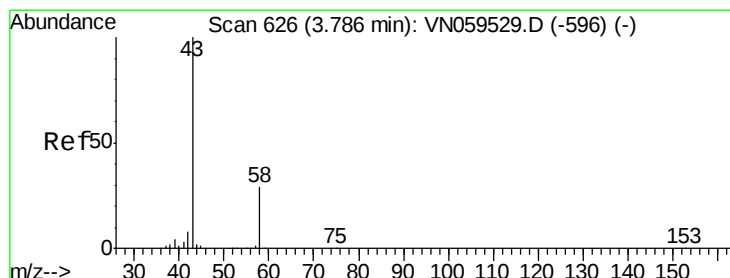
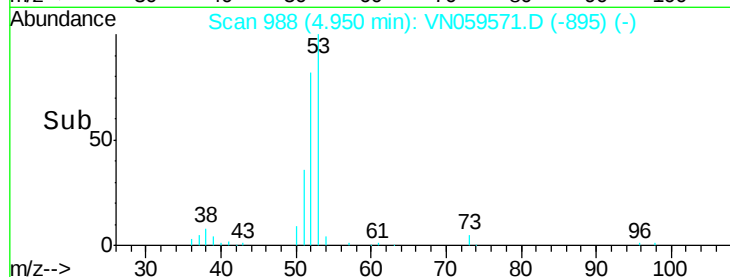
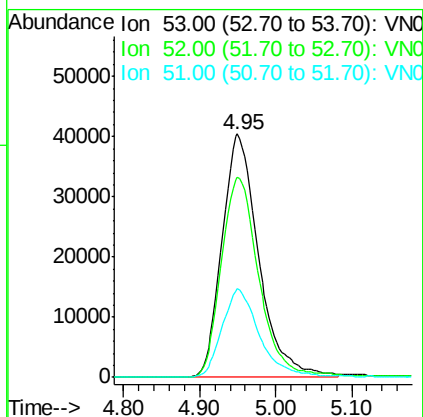
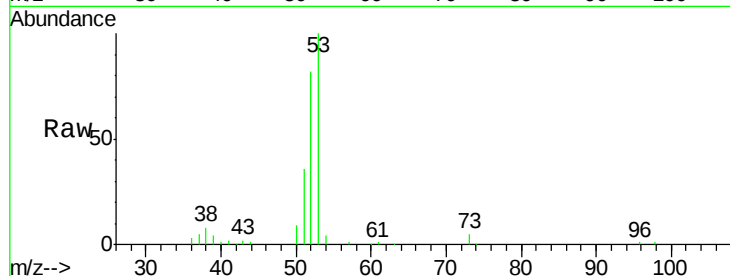
Tgt Ion: 53 Resp: 136045

Ion Ratio Lower Upper

53 100

52 83.1 66.6 99.8

51 36.8 29.8 44.8



#16

Acetone

Concen: 81.815 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059571.D

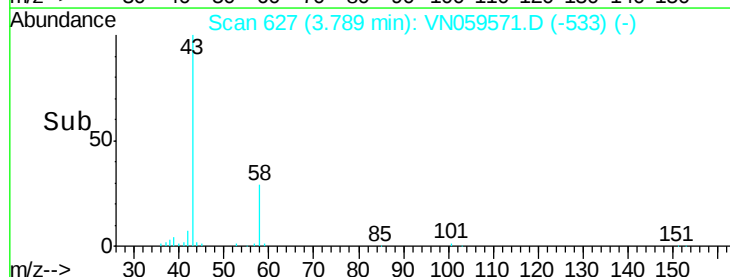
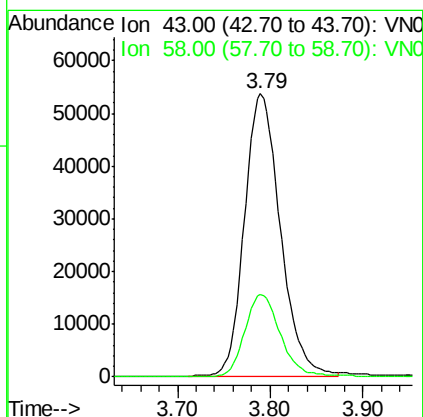
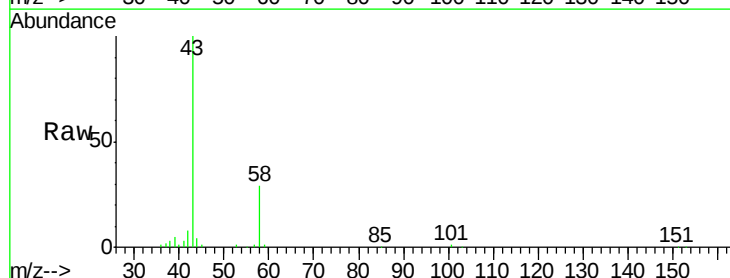
Acq: 12 Dec 2019 13:53

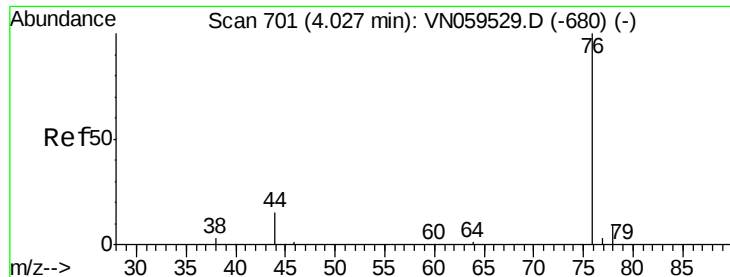
Tgt Ion: 43 Resp: 143454

Ion Ratio Lower Upper

43 100

58 29.1 23.0 34.4

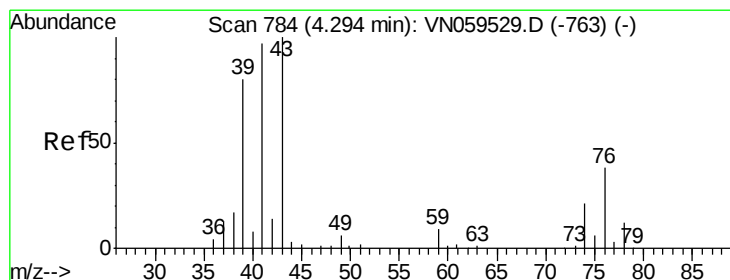
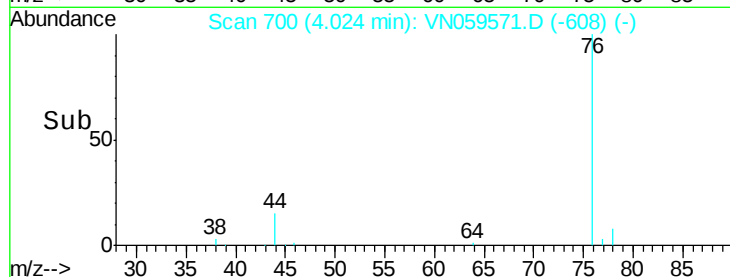
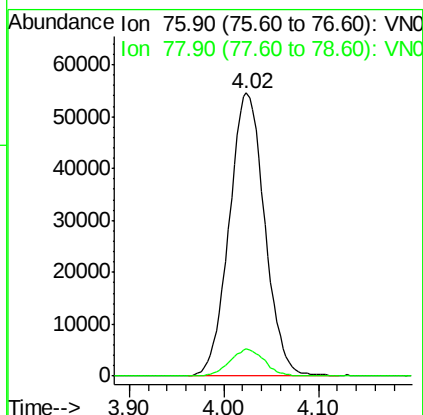
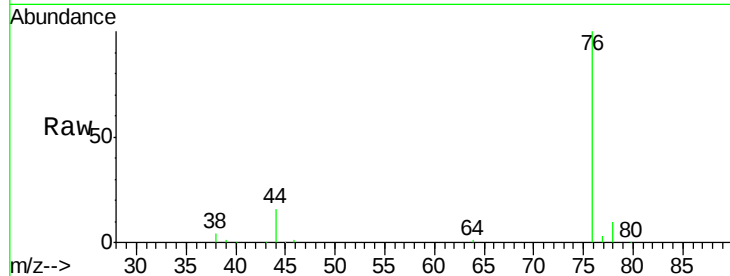




#17
Carbon Disulfide
Concen: 15.677 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

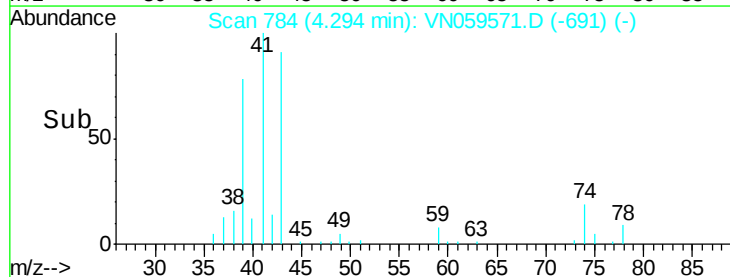
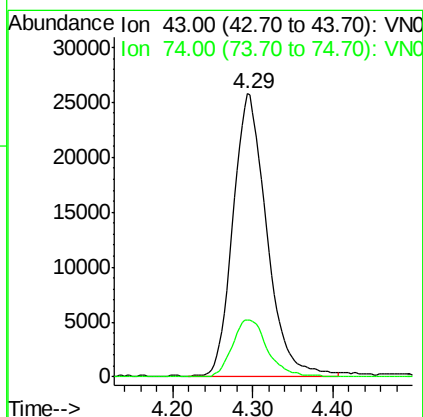
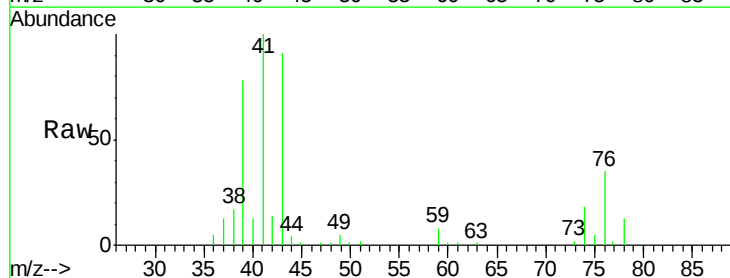
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

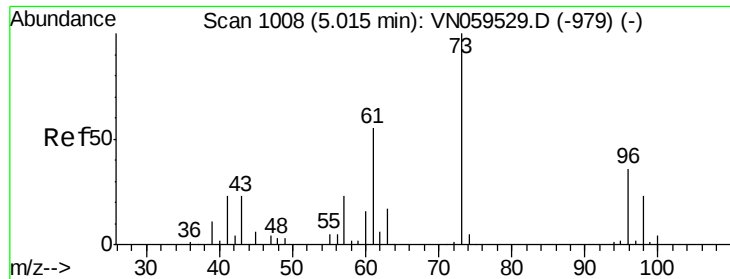
Tgt Ion: 76 Resp: 142135
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 16.146 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 43 Resp: 74327
Ion Ratio Lower Upper
43 100
74 20.6 17.5 26.3

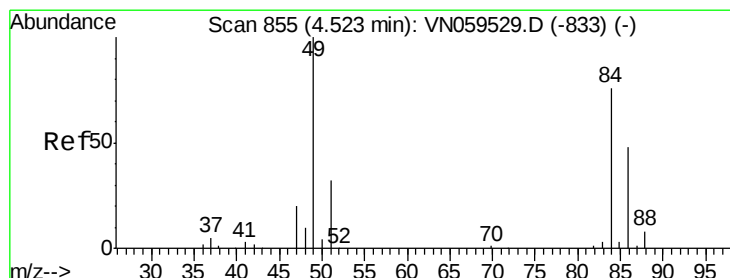
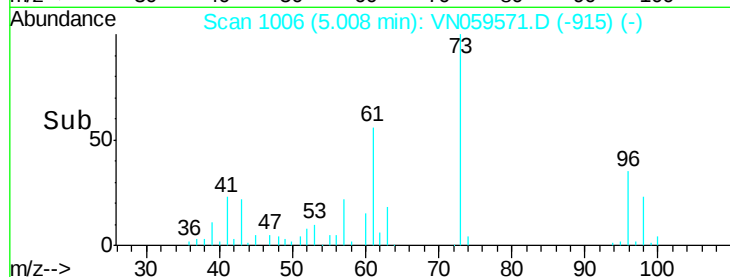
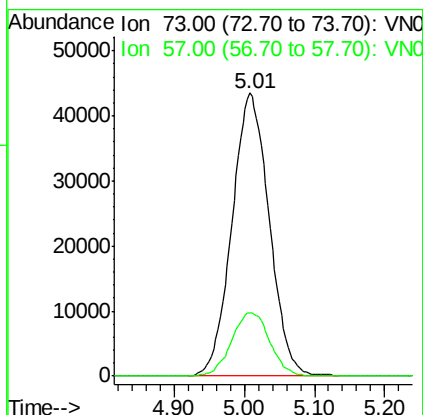
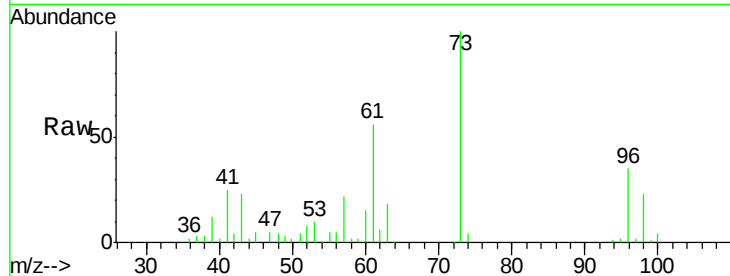




#19
Methyl tert-butyl Ether
Concen: 17.229 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

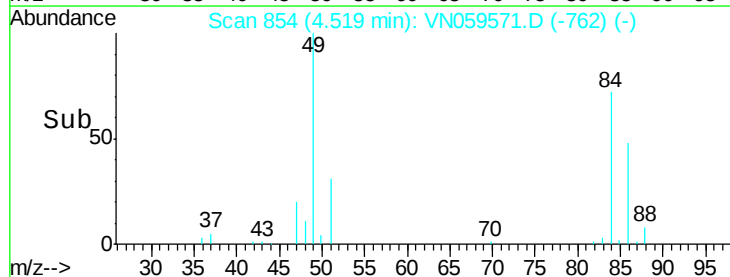
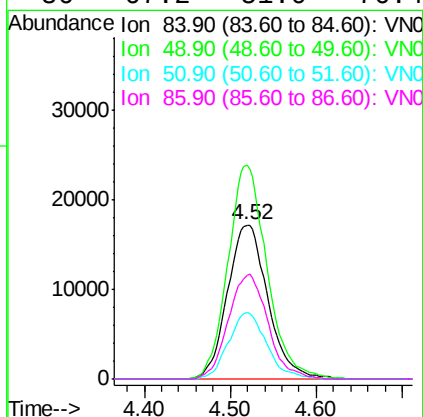
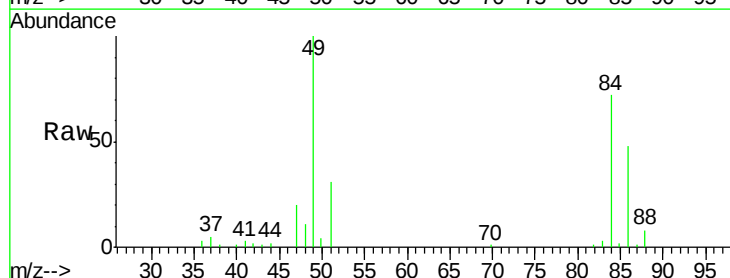
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

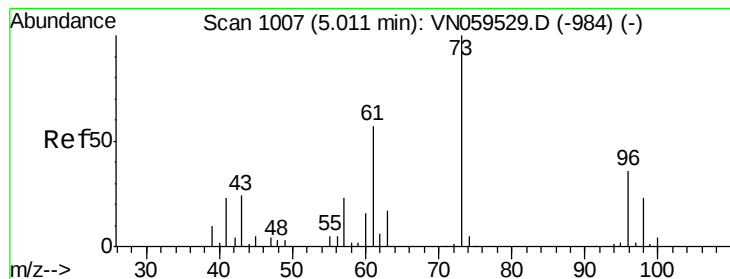
Tgt Ion: 73 Resp: 160085
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 17.548 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 84 Resp: 56009
Ion Ratio Lower Upper
84 100
49 138.9 105.8 158.8
51 43.3 33.7 50.5
86 67.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 16.747 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

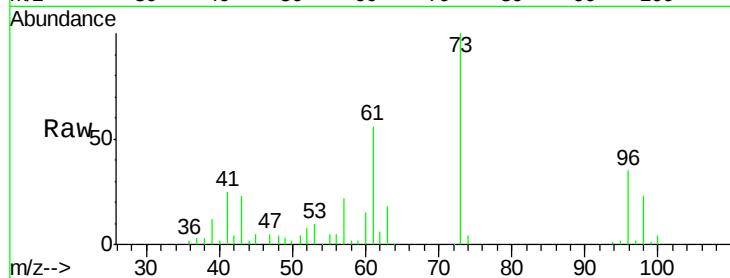
Tgt Ion: 96 Resp: 50243

Ion Ratio Lower Upper

96 100

61 160.3 124.8 187.2

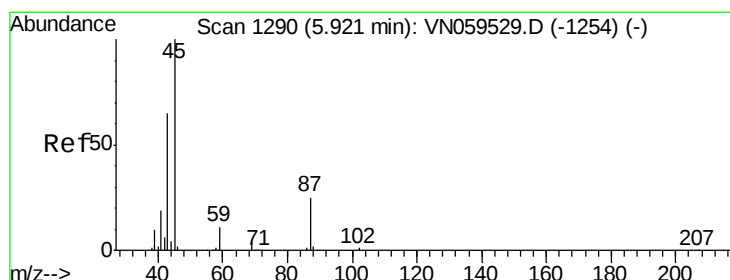
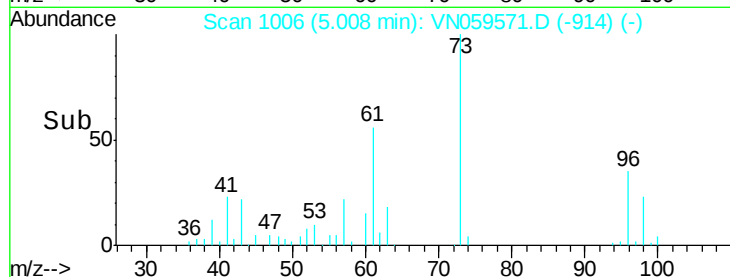
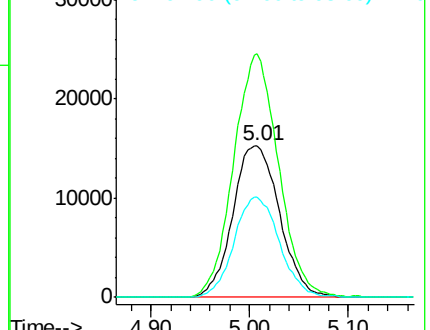
98 65.8 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN059571.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059571.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059571.D (-914) (-)



#22

Diisopropyl ether

Concen: 17.362 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Tgt Ion: 45 Resp: 177722

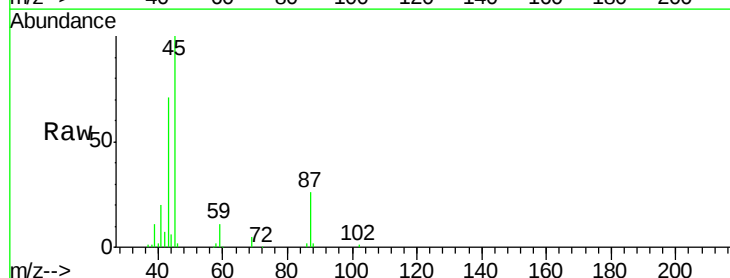
Ion Ratio Lower Upper

45 100

43 68.8 52.8 79.2

87 25.7 20.2 30.4

59 11.0 9.1 13.7

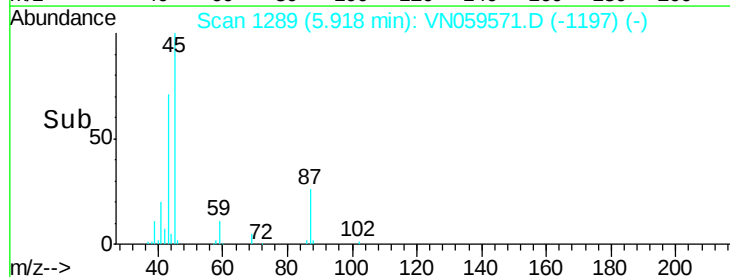
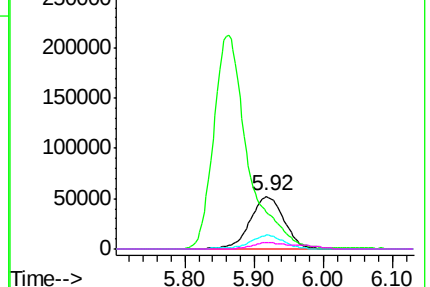


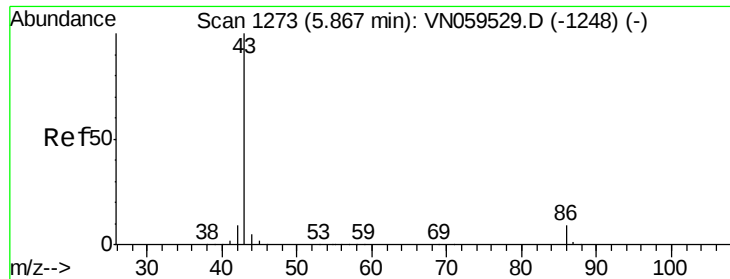
Abundance Ion 45.00 (44.70 to 45.70): VN059571.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059571.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059571.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059571.D (-1197) (-)

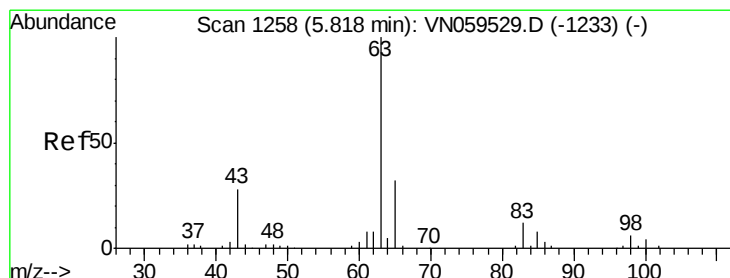
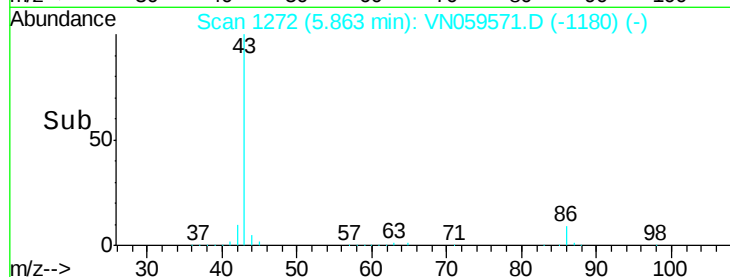
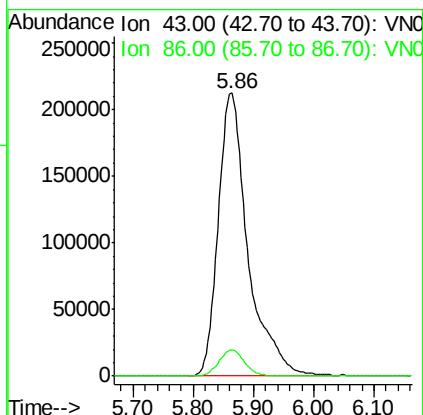
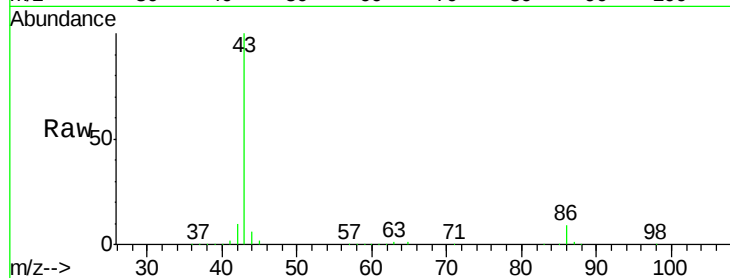




#23
 Vinyl Acetate
 Concen: 85.237 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

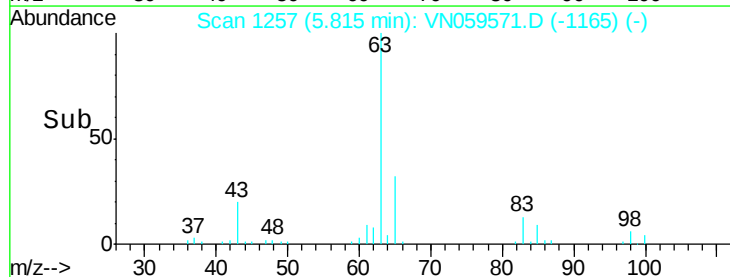
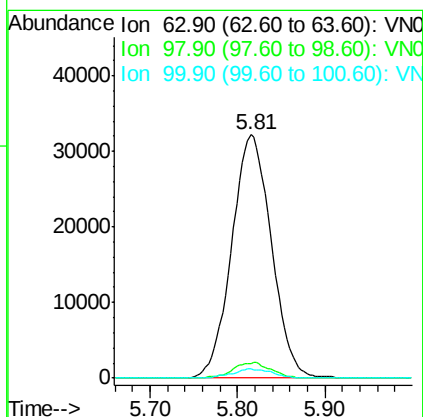
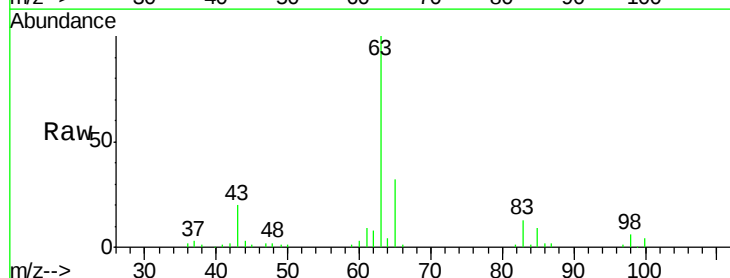
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

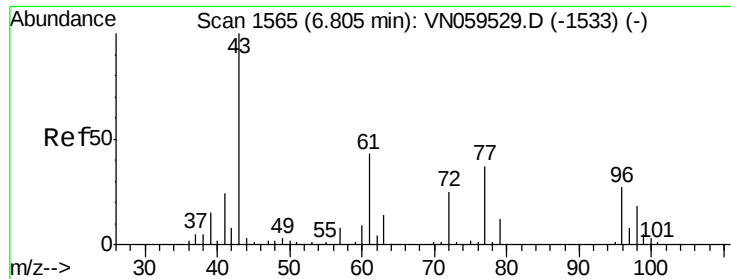
Tgt Ion: 43 Resp: 727826
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 17.416 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 63 Resp: 101216
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 84.177 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

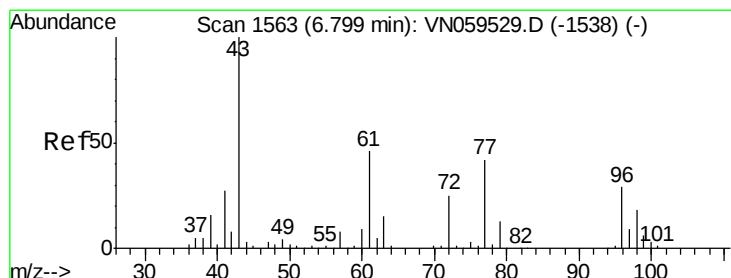
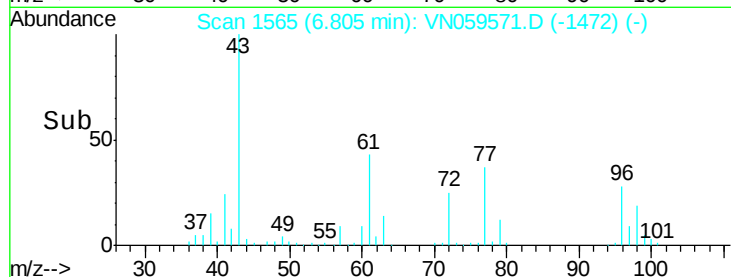
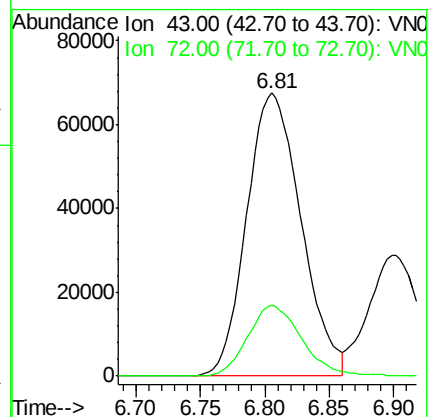
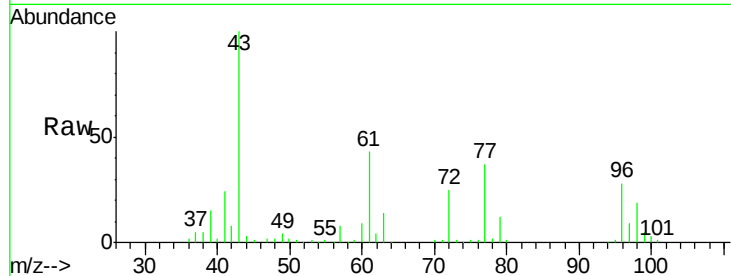
VN1212WBS01

Tgt Ion: 43 Resp: 198668

Ion Ratio Lower Upper

43 100

72 25.1 19.9 29.9



#26

2,2-Dichloropropane

Concen: 17.497 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059571.D

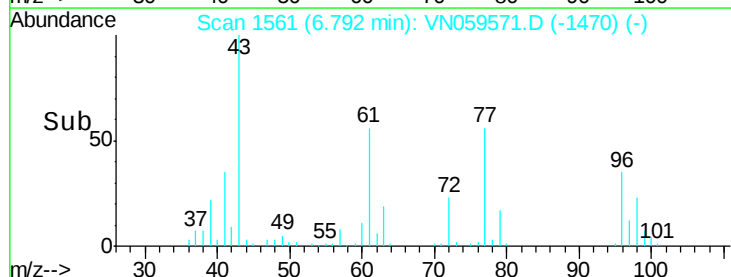
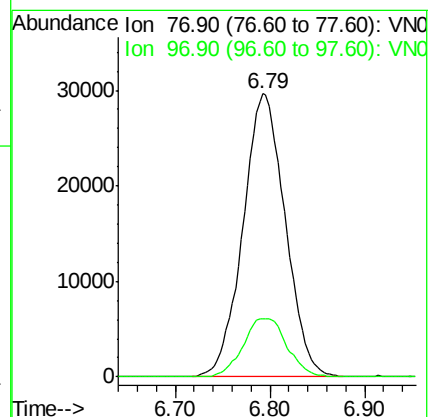
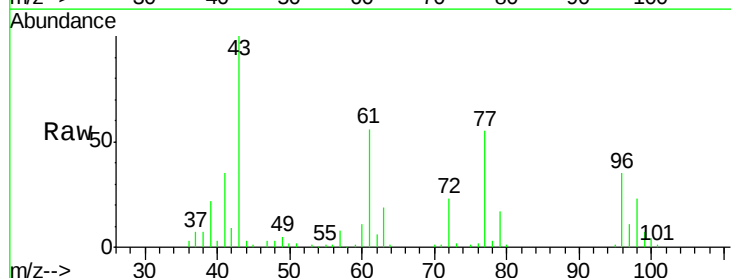
Acq: 12 Dec 2019 13:53

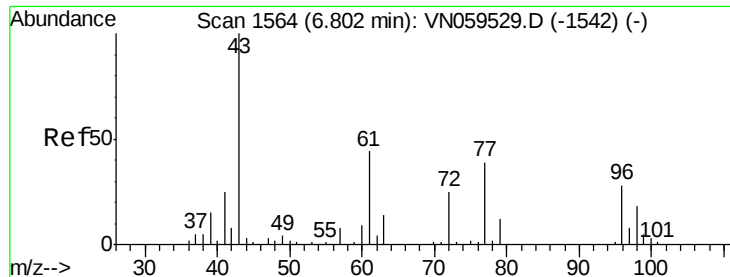
Tgt Ion: 77 Resp: 91866

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 17.028 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

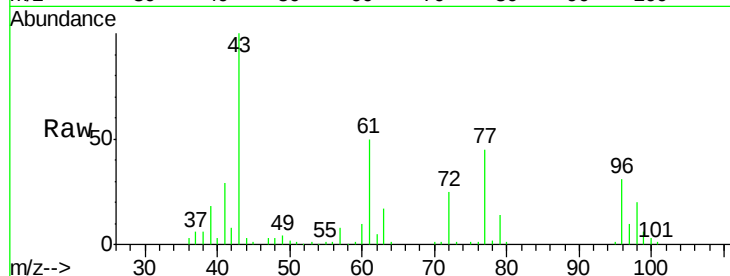
Tgt Ion: 96 Resp: 57458

Ion Ratio Lower Upper

96 100

61 160.1 0.0 320.0

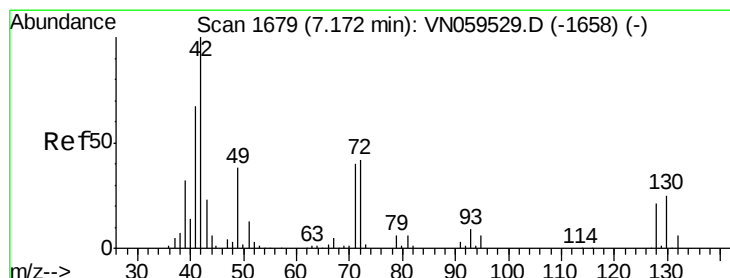
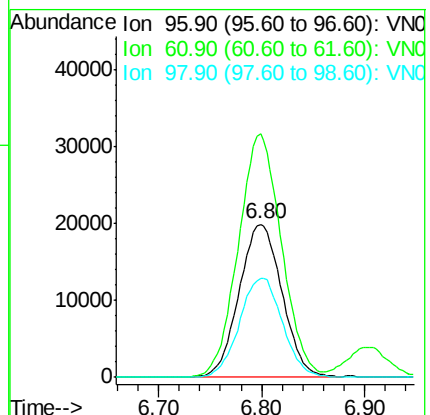
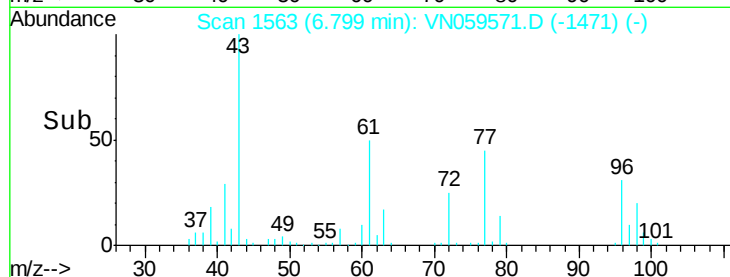
98 65.0 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.146 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

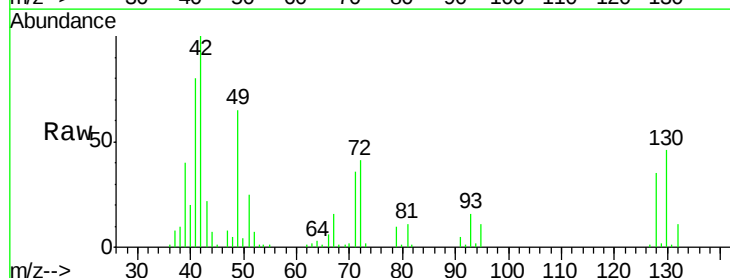
Tgt Ion: 49 Resp: 45046

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

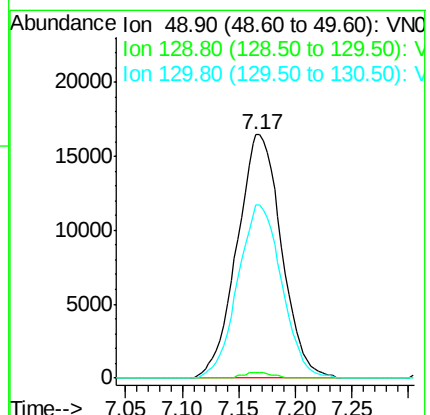
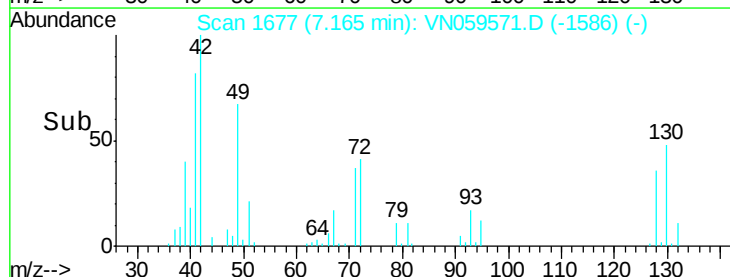
130 70.1 54.2 81.2

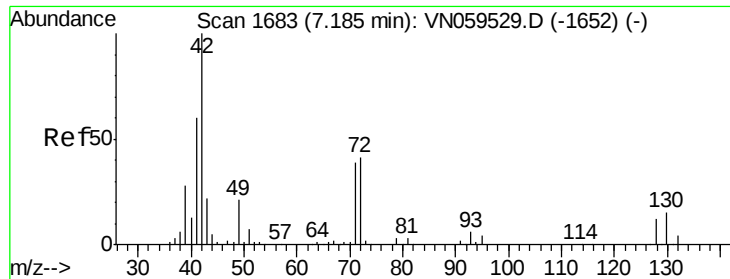


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

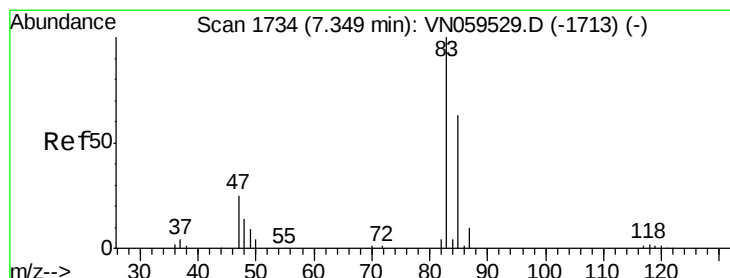
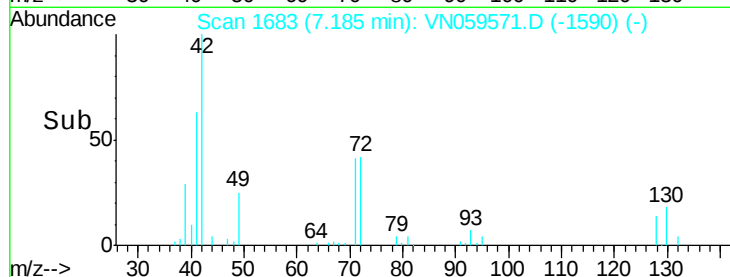
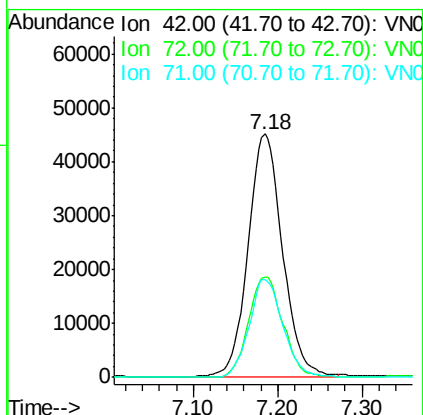
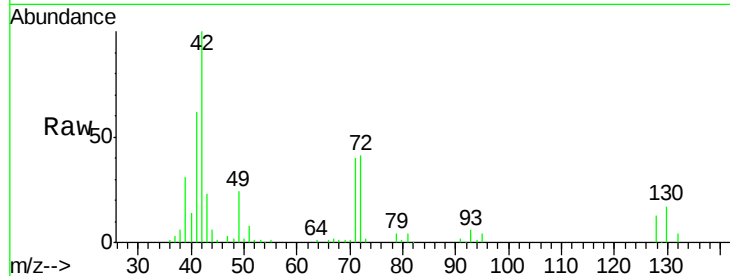




#29
Tetrahydrofuran
Concen: 78.454 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

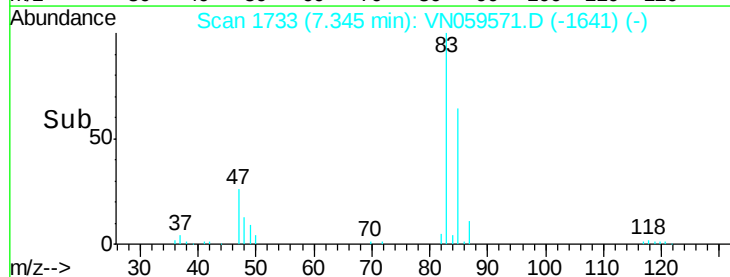
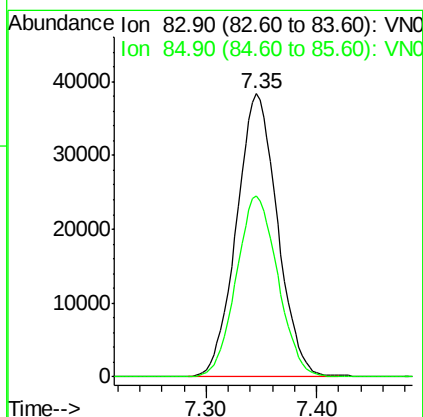
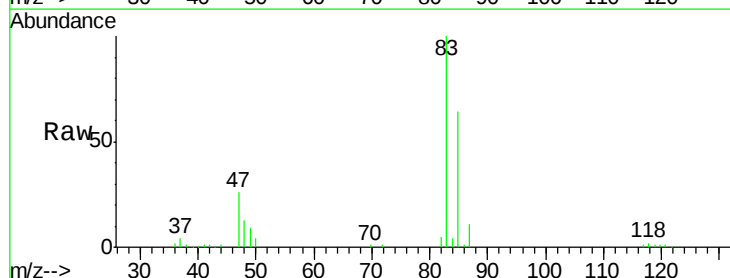
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

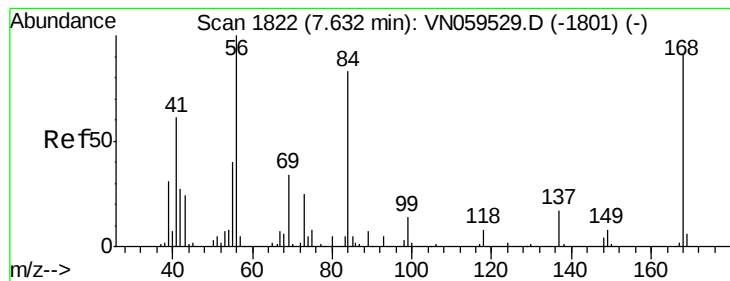
Tgt Ion: 42 Resp: 128795
Ion Ratio Lower Upper
42 100
72 41.1 32.7 49.1
71 39.2 31.4 47.2



#30
Chloroform
Concen: 17.166 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 83 Resp: 98464
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8





#31

Cyclohexane

Concen: 16.416 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

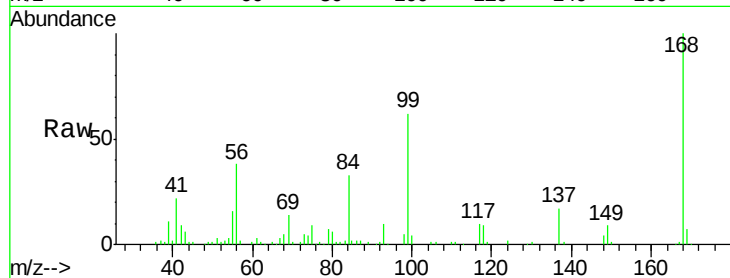
Tgt Ion: 56 Resp: 92847

Ion Ratio Lower Upper

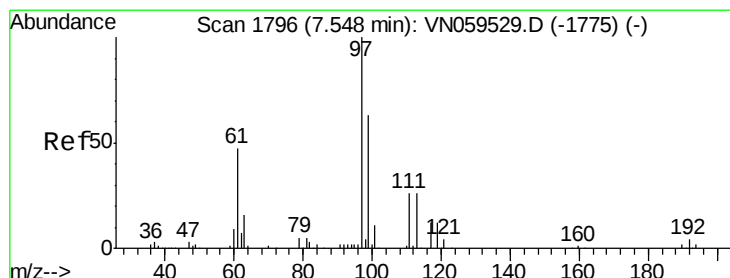
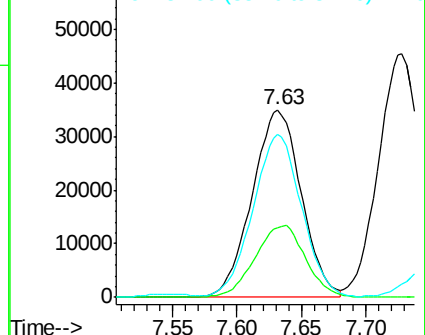
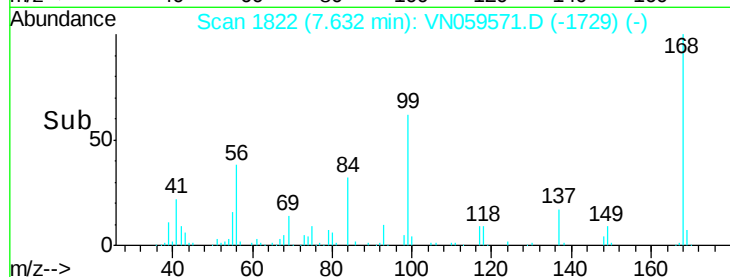
56 100

69 37.2 26.9 40.3

84 86.2 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VN059571.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 17.113 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

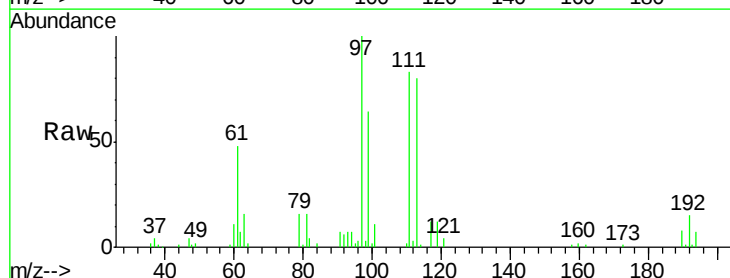
Tgt Ion: 97 Resp: 87079

Ion Ratio Lower Upper

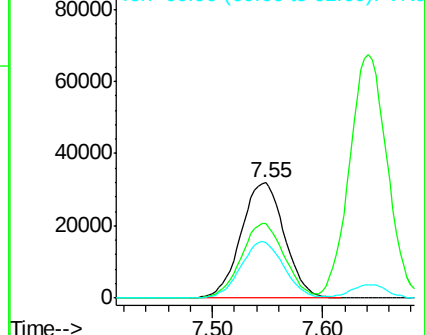
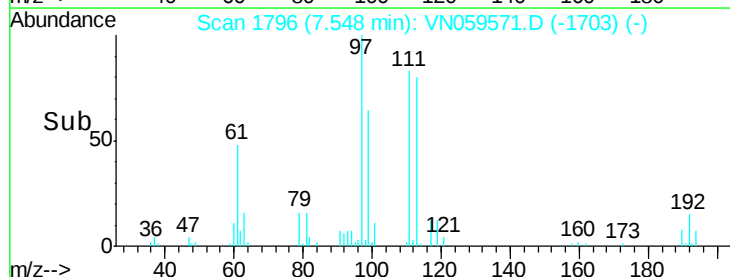
97 100

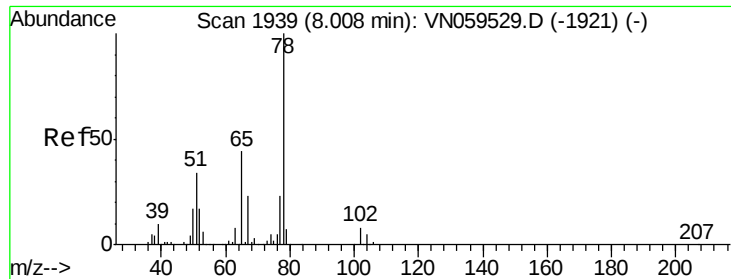
99 64.5 51.4 77.2

61 48.4 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN059571.D (-1703) (-)

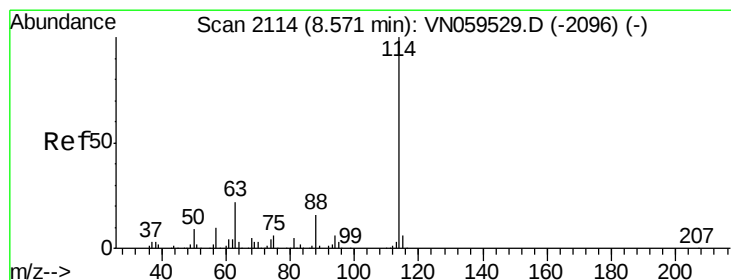
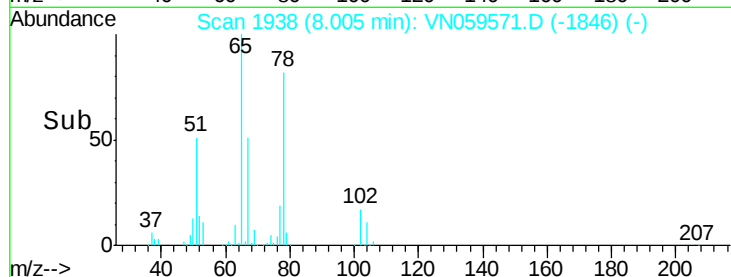
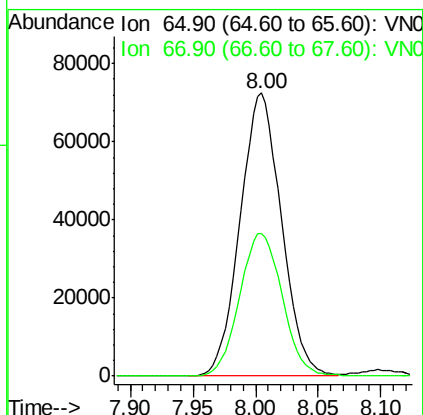
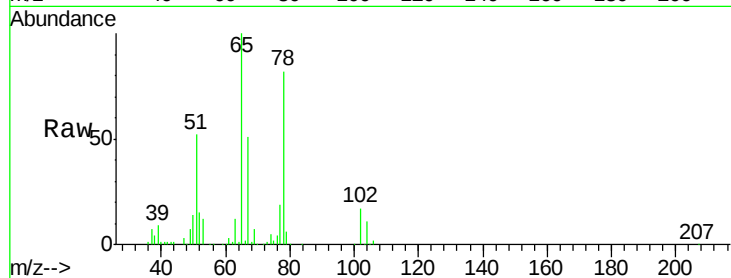




#33
 1,2-Dichloroethane-d4
 Concen: 44.318 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

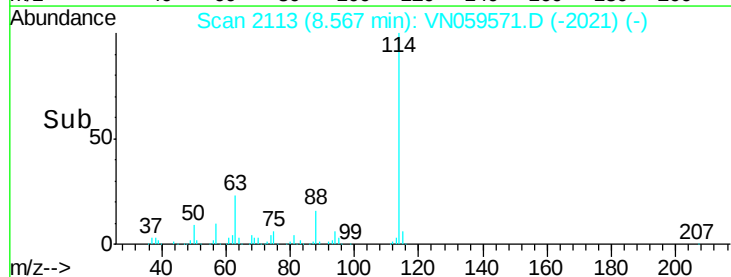
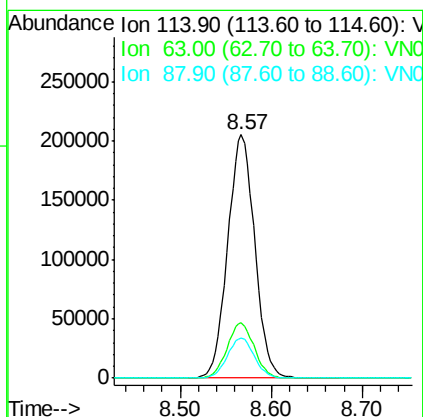
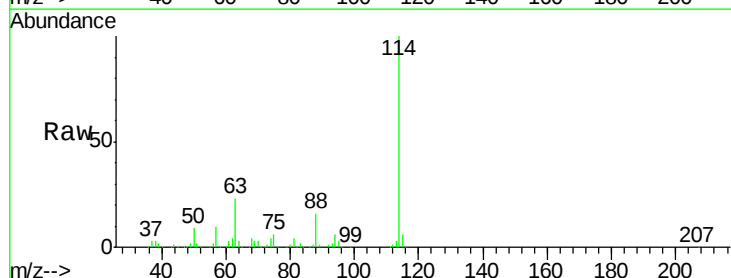
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

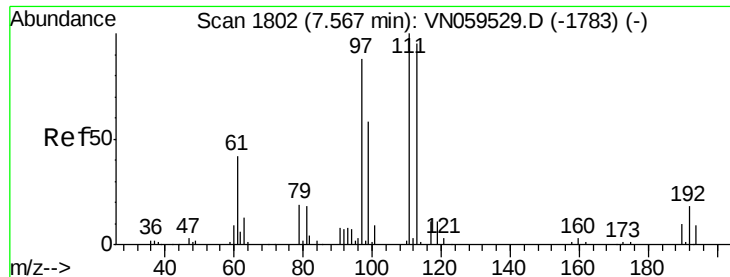
Tgt Ion: 65 Resp: 166346
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 114 Resp: 423417
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.4 0.0 32.2

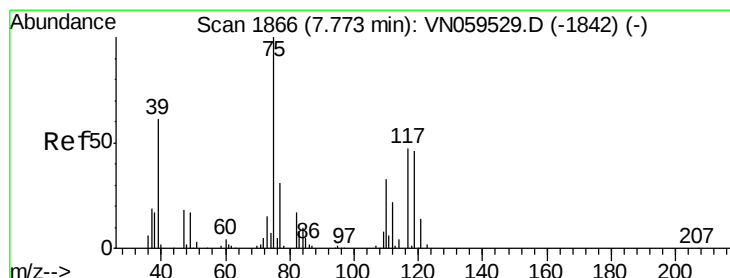
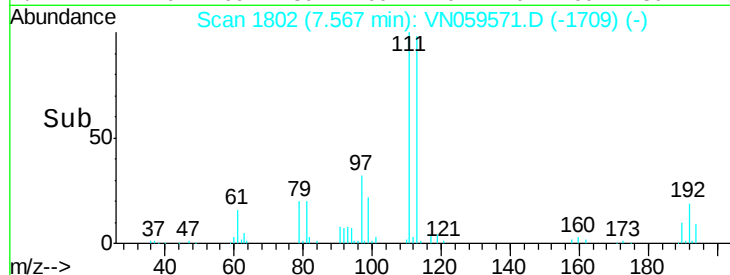
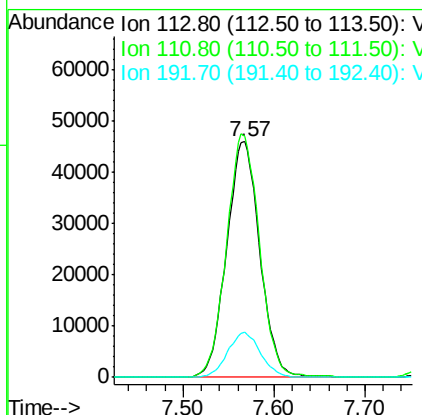
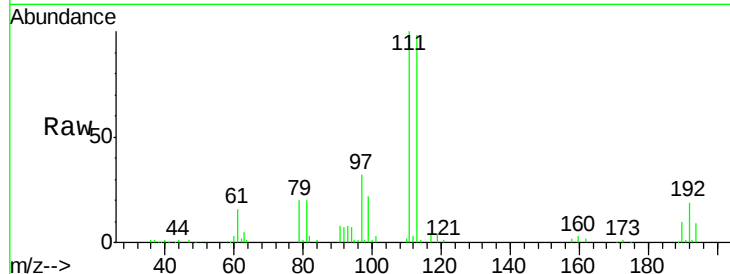




#35
 Dibromofluoromethane
 Concen: 46.138 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

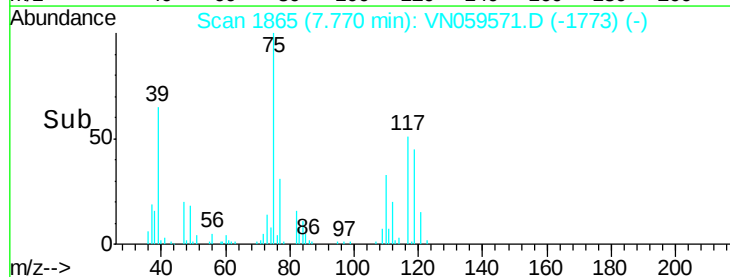
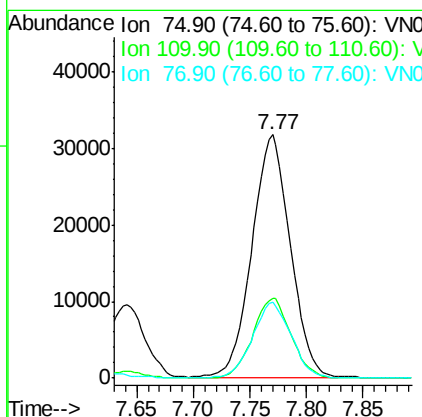
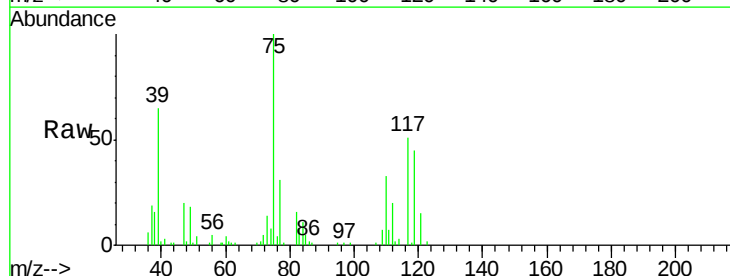
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

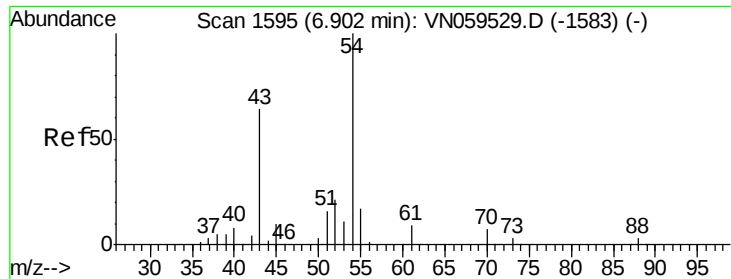
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	18.9	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 17.345 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.7	50.0
77	31.1	24.6	37.0

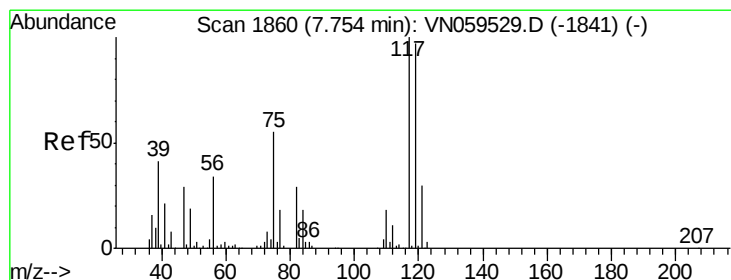
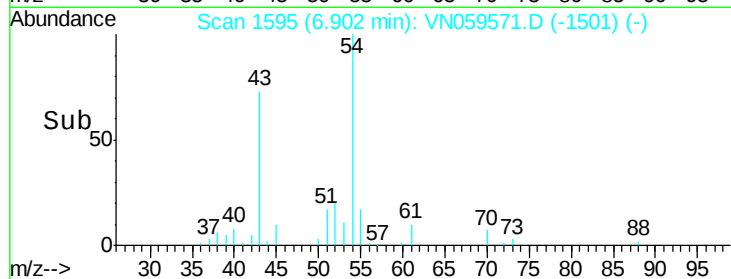
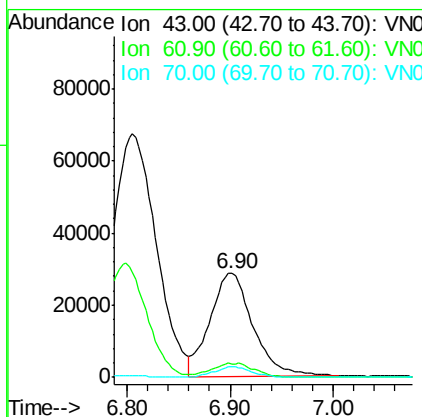
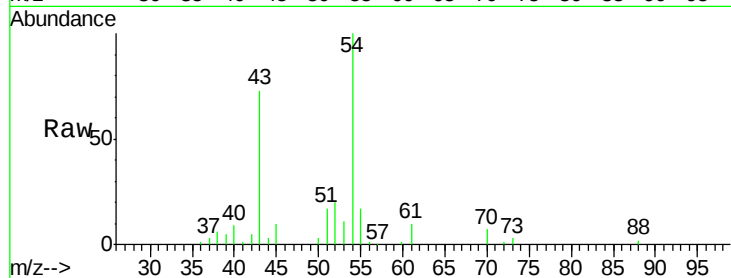




#37
Ethyl Acetate
Concen: 17.419 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

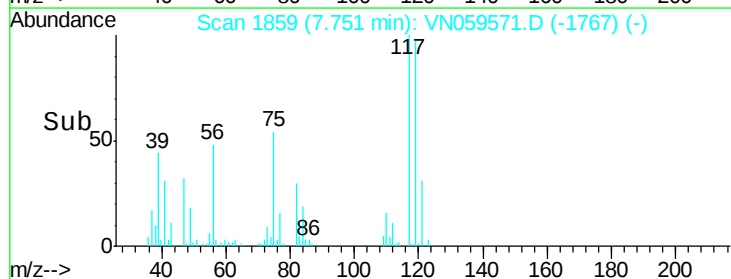
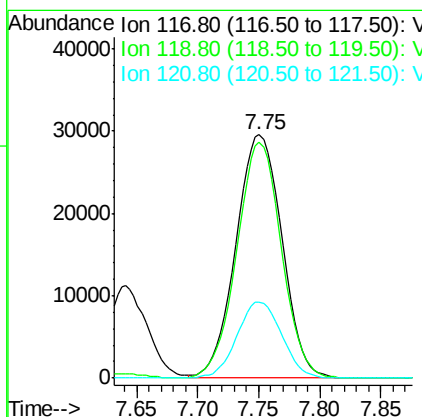
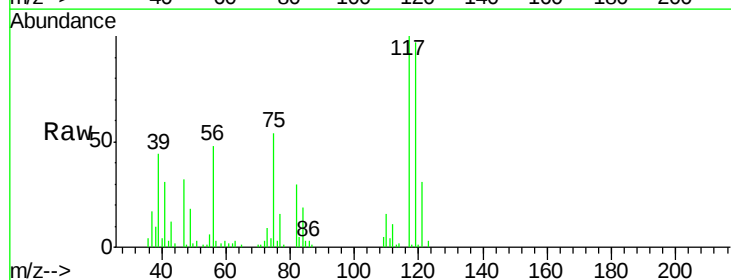
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

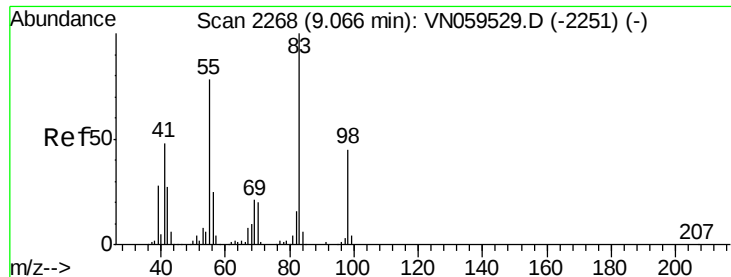
Tgt Ion: 43 Resp: 83003
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 8.8 7.7 11.5



#38
Carbon Tetrachloride
Concen: 18.087 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 117 Resp: 77447
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.4
121 31.3 24.1 36.1

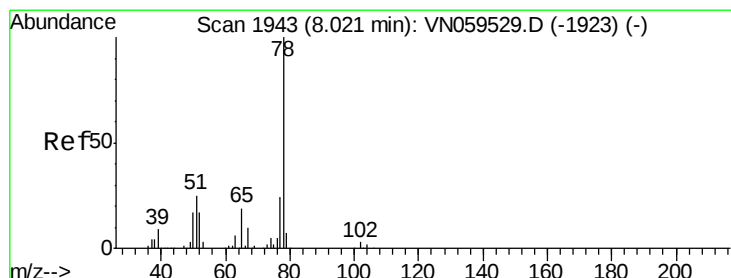
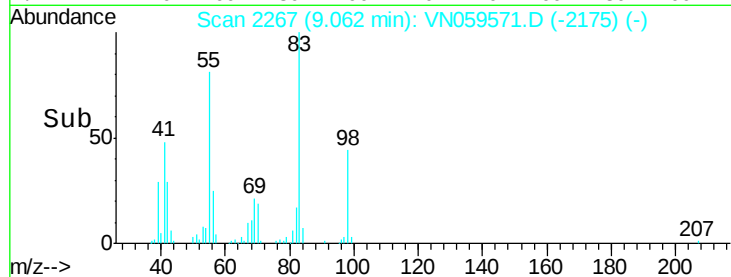
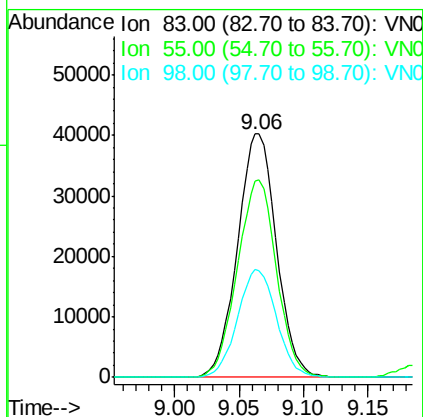
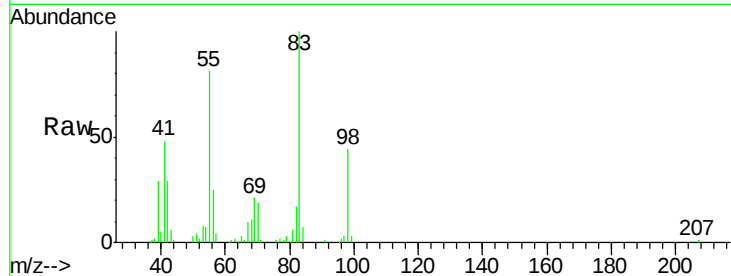




#39
Methylcyclohexane
Concen: 17.345 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

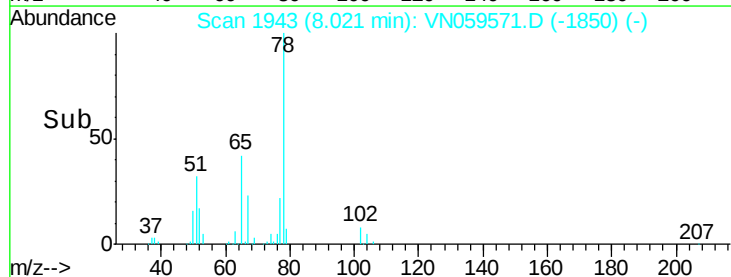
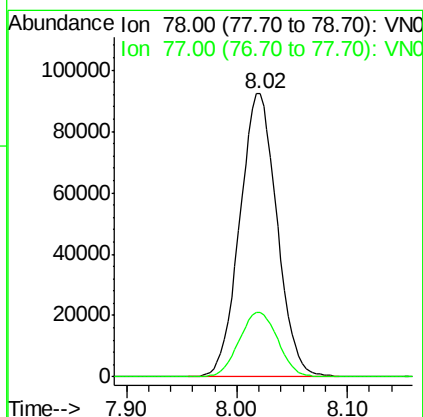
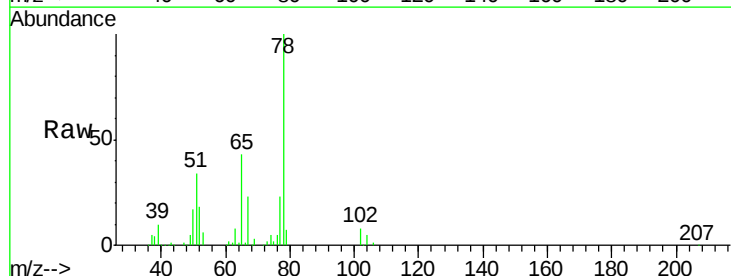
Instrument :
MSVOA_N
ClientSampled :
VN1212WBS01

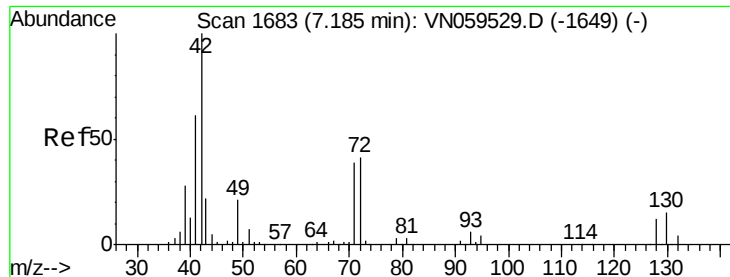
Tgt Ion: 83 Resp: 84521
Ion Ratio Lower Upper
83 100
55 80.6 62.7 94.1
98 44.1 35.7 53.5



#40
Benzene
Concen: 17.394 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 78 Resp: 215853
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2





#41

Methacrylonitrile

Concen: 15.079 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 41 Resp: 31834

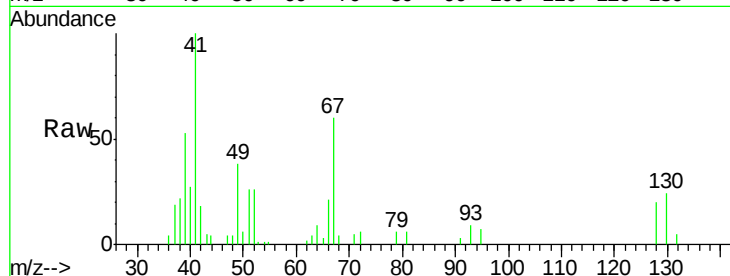
Ion Ratio Lower Upper

41 100

39 66.6 0.0 0.0#

67 90.0 0.0 0.0#

52 40.9 0.0 0.0#

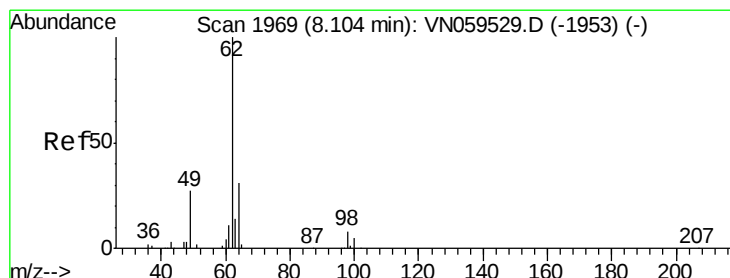
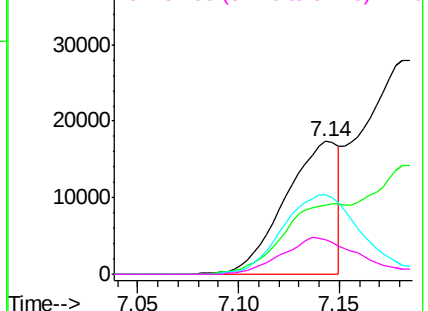
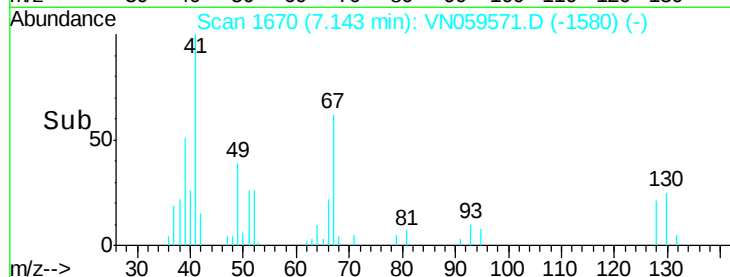


Abundance Ion 41.00 (40.70 to 41.70): VN059571.D (-1580) (-)

Ion 39.00 (38.70 to 39.70): VN059571.D (-1580) (-)

Ion 67.00 (66.70 to 67.70): VN059571.D (-1580) (-)

Ion 52.00 (51.70 to 52.70): VN059571.D (-1580) (-)



#42

1,2-Dichloroethane

Concen: 18.592 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VN059571.D

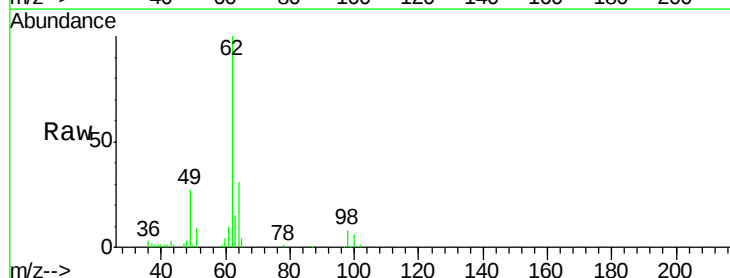
Acq: 12 Dec 2019 13:53

Tgt Ion: 62 Resp: 85964

Ion Ratio Lower Upper

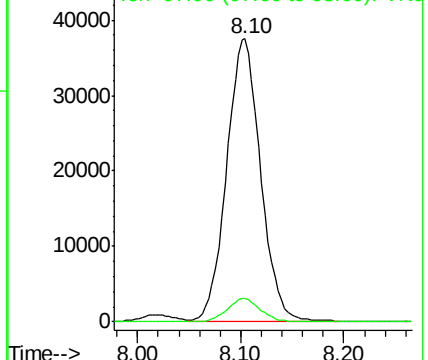
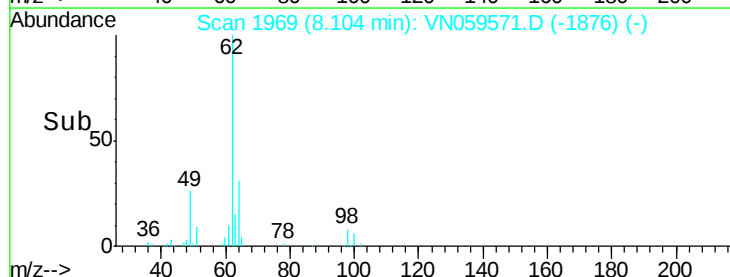
62 100

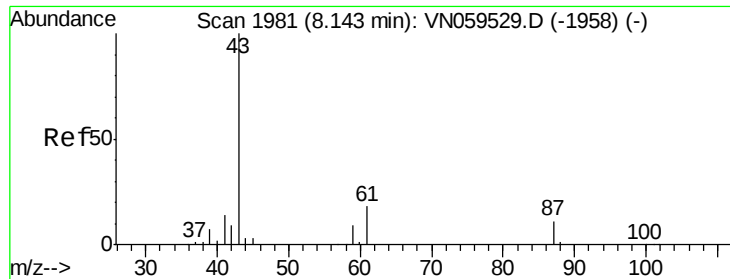
98 7.9 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN059571.D (-1876) (-)

Ion 97.90 (97.60 to 98.60): VN059571.D (-1876) (-)

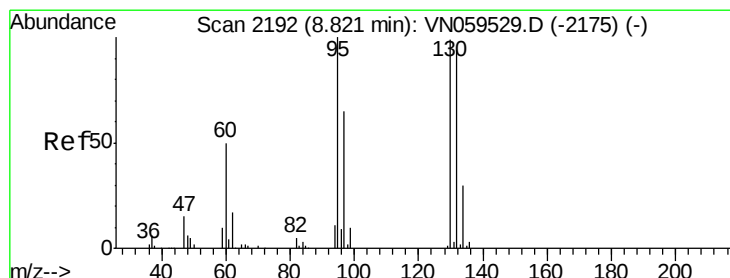
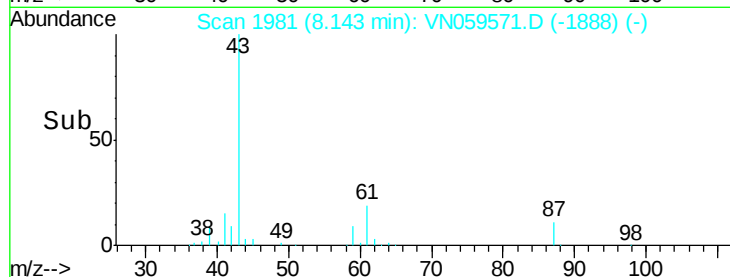
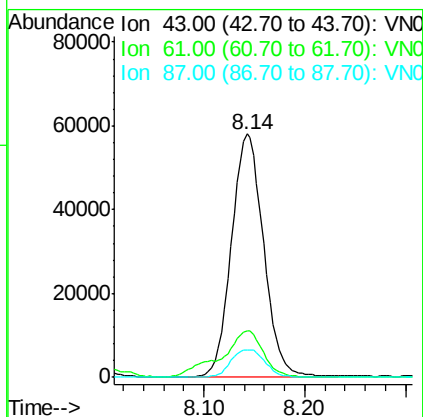
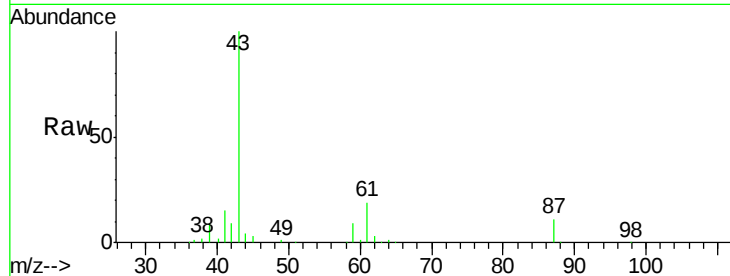




#43
Isopropyl Acetate
Concen: 17.205 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

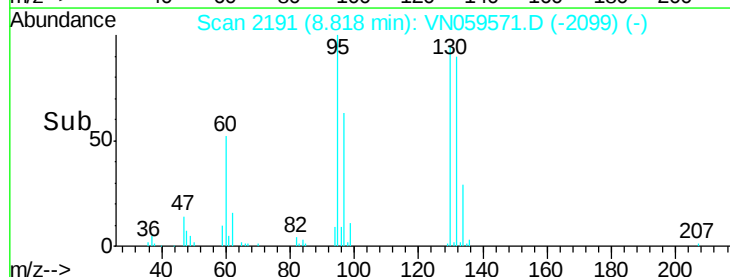
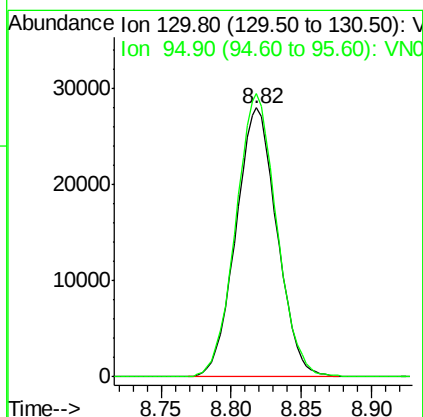
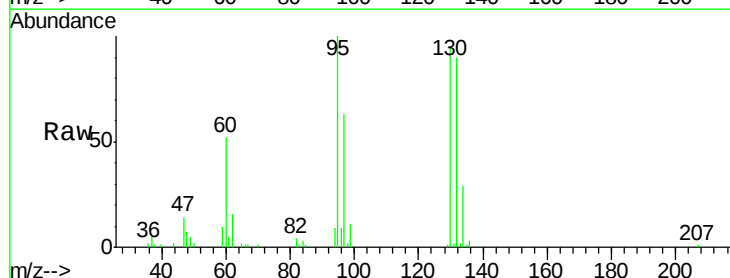
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

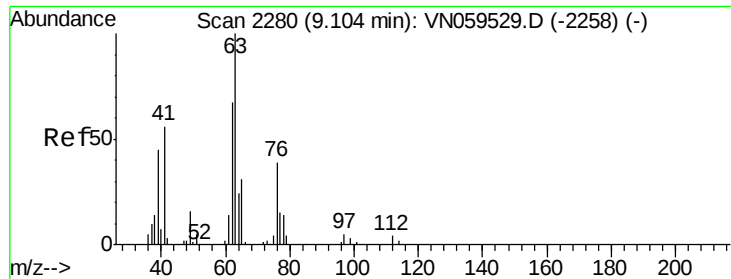
Tgt Ion: 43 Resp: 129017
Ion Ratio Lower Upper
43 100
61 25.2 19.8 29.6
87 11.9 9.4 14.2



#44
Trichloroethene
Concen: 18.153 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 130 Resp: 56914
Ion Ratio Lower Upper
130 100
95 105.2 0.0 202.0

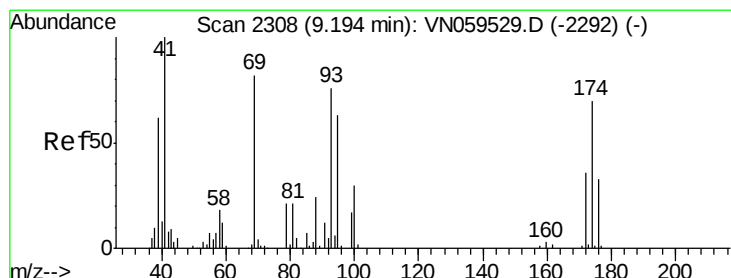
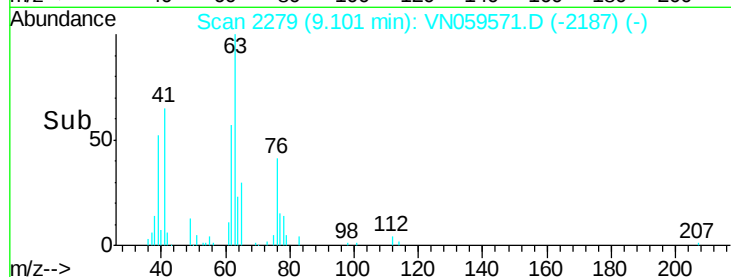
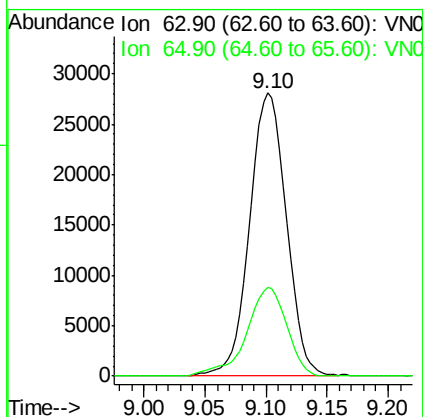
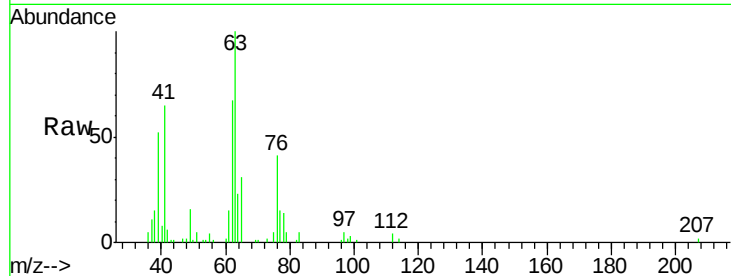




#45
 1,2-Dichloropropane
 Concen: 17.810 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

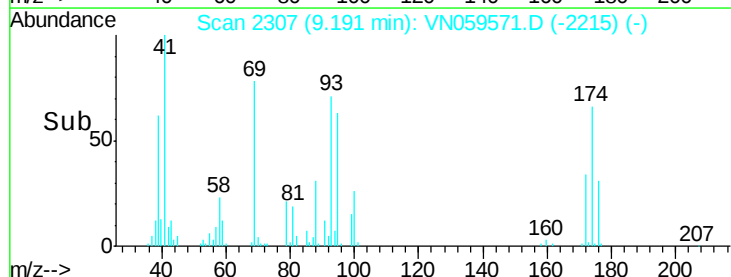
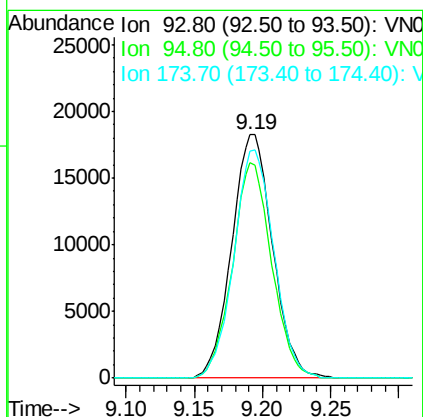
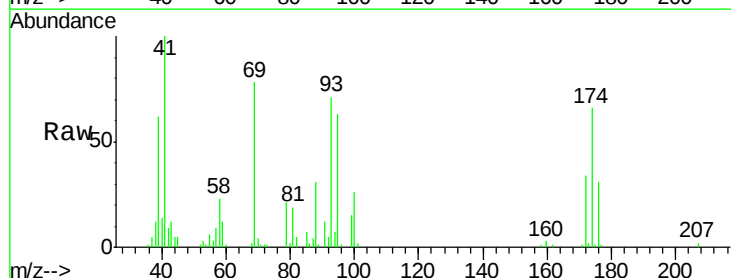
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

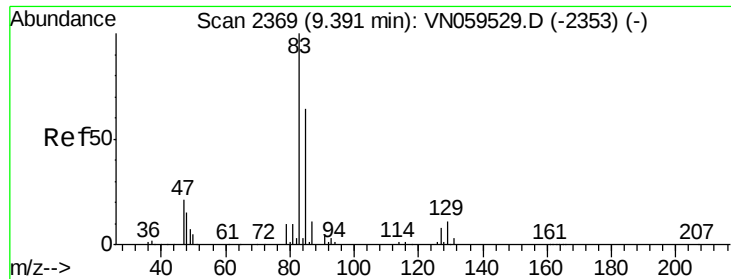
Tgt Ion: 63 Resp: 58549
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 17.495 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 93 Resp: 38010
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.6
 174 91.5 75.6 113.4

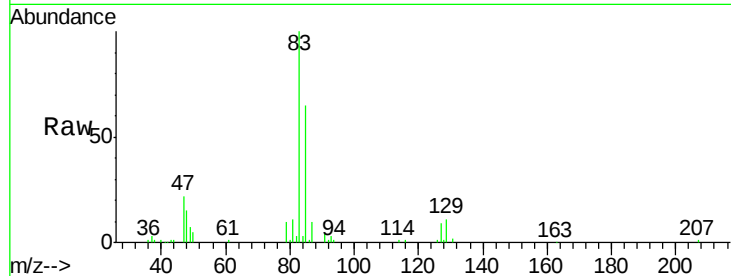




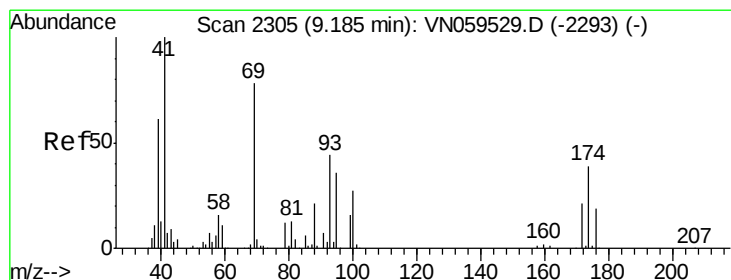
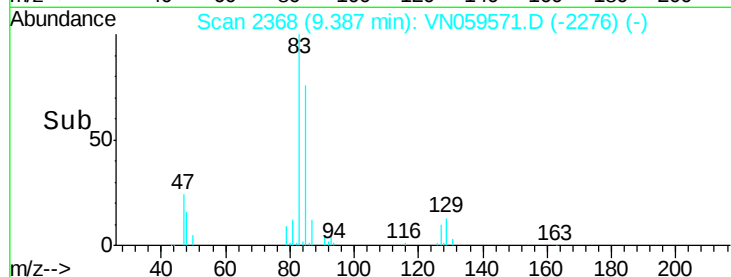
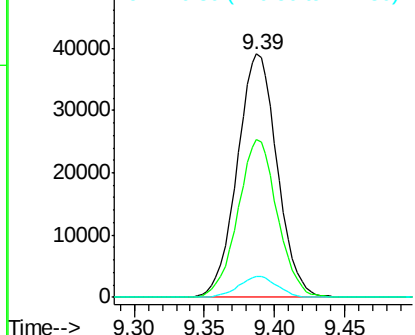
#47
Bromodichloromethane
Concen: 17.911 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tgt Ion: 83 Resp: 77338
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 8.7 6.7 10.1

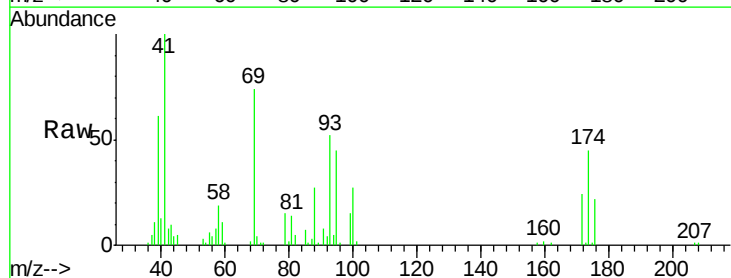


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

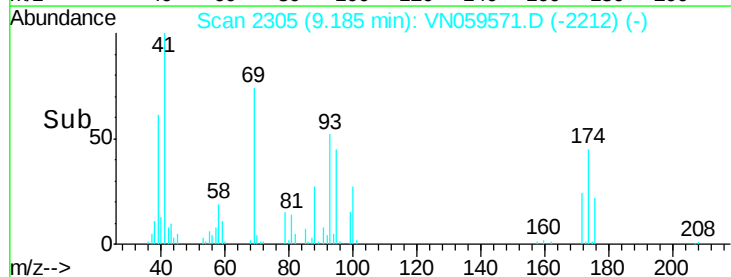
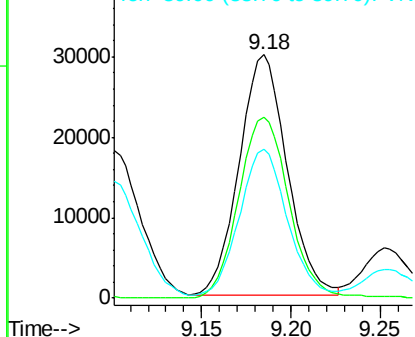


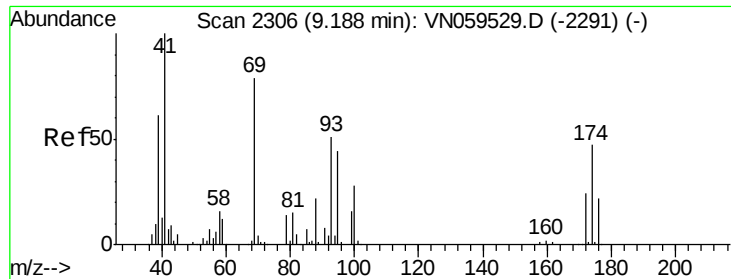
#48
Methyl methacrylate
Concen: 17.097 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 41 Resp: 56059
Ion Ratio Lower Upper
41 100
69 79.6 64.0 96.0
39 62.6 50.0 75.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

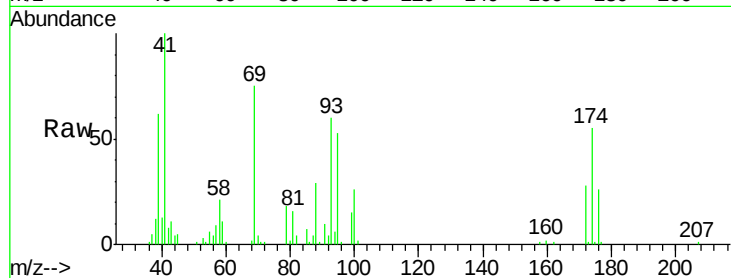




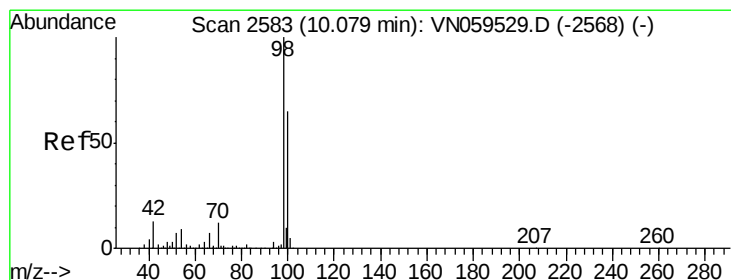
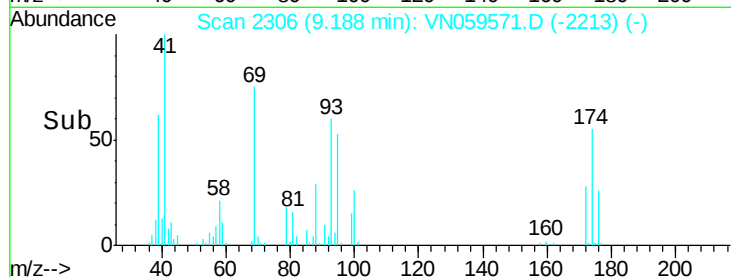
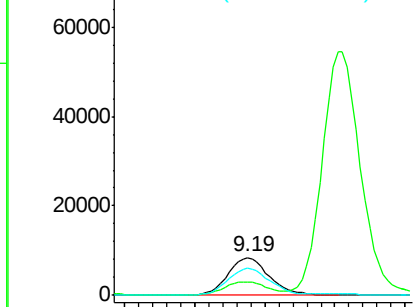
#49
 1,4-Dioxane
 Concen: 415.555 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Tgt Ion: 88 Resp: 17433
 Ion Ratio Lower Upper
 88 100
 43 39.0 31.4 47.0
 58 73.5 61.0 91.6

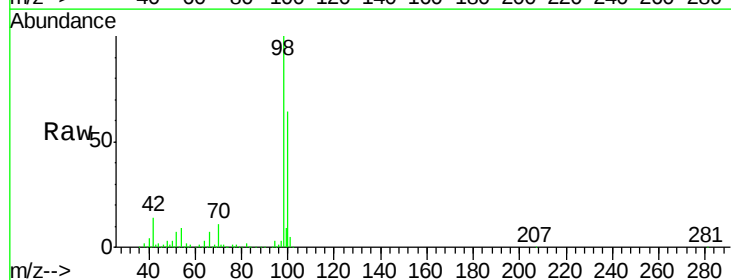


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

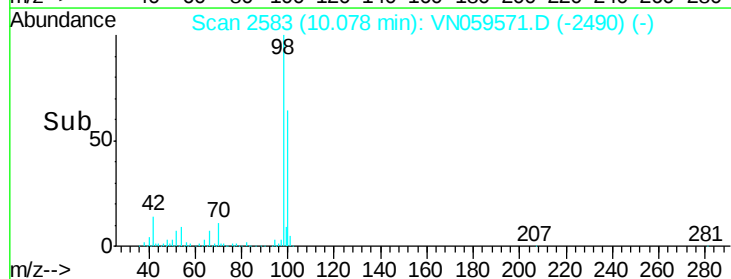
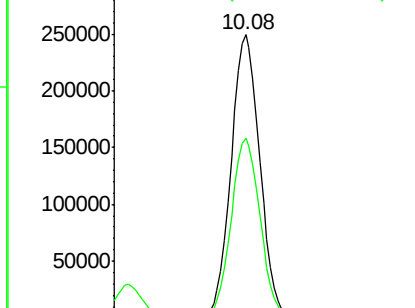


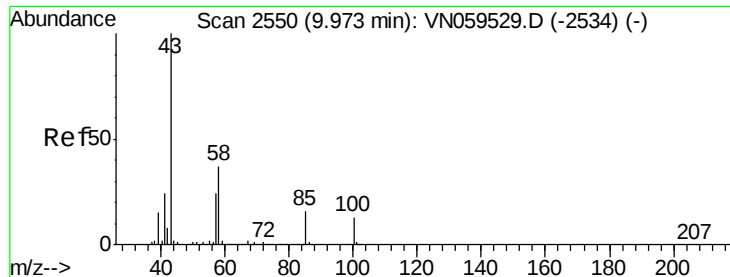
#50
 Toluene-d8
 Concen: 43.717 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 98 Resp: 450964
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.8 77.8



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

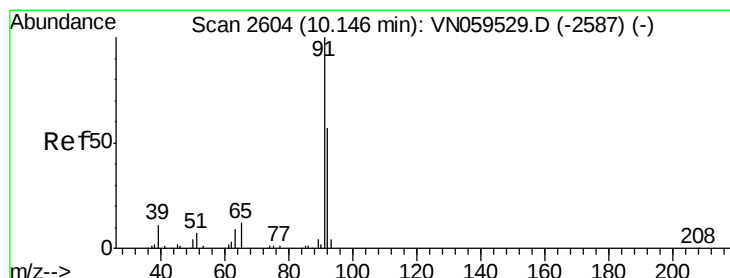
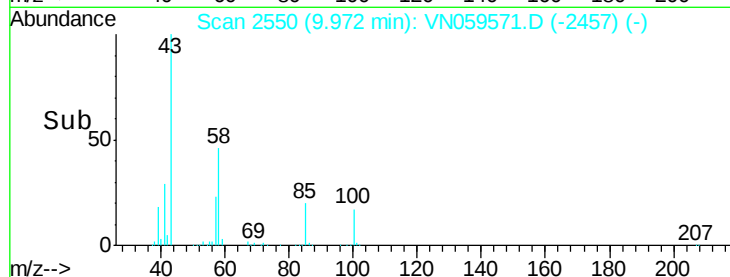
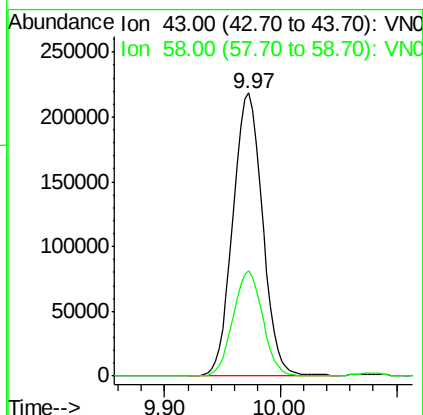
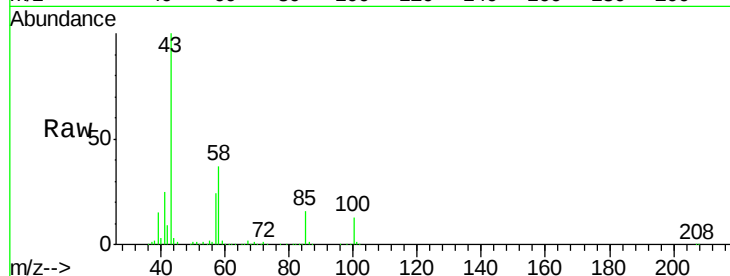




#51
 4-Methyl-2-Pentanone
 Concen: 80.948 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

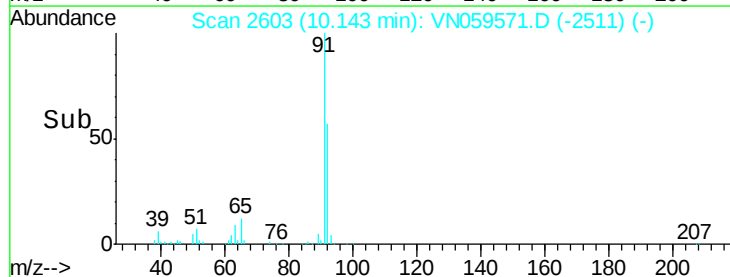
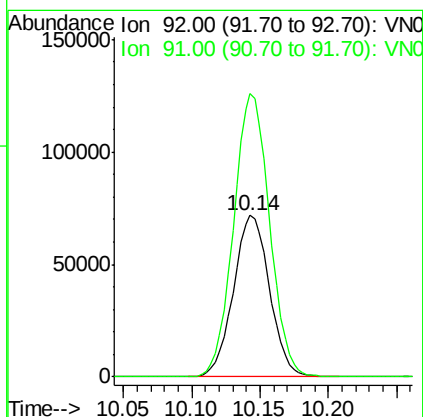
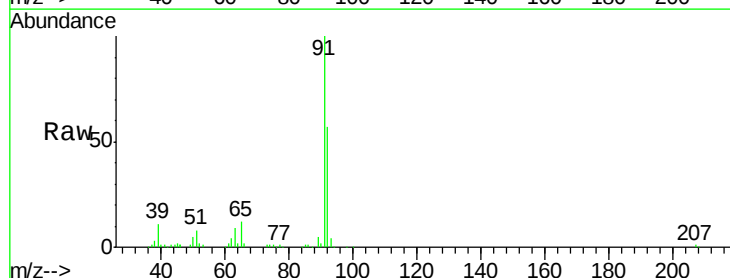
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

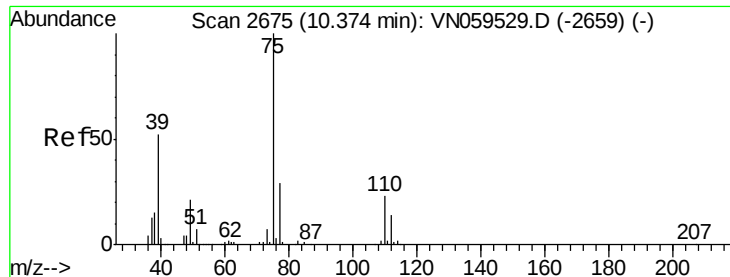
Tgt Ion: 43 Resp: 388298
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.1 45.1



#52
 Toluene
 Concen: 17.842 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 92 Resp: 131923
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.255 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

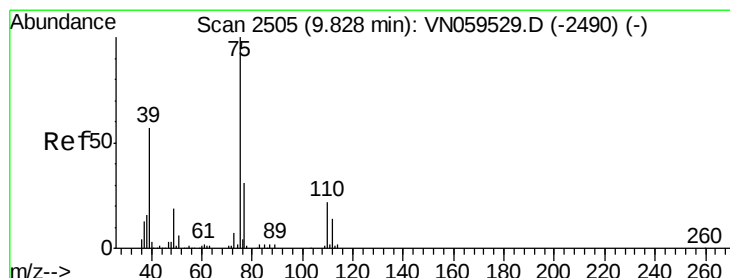
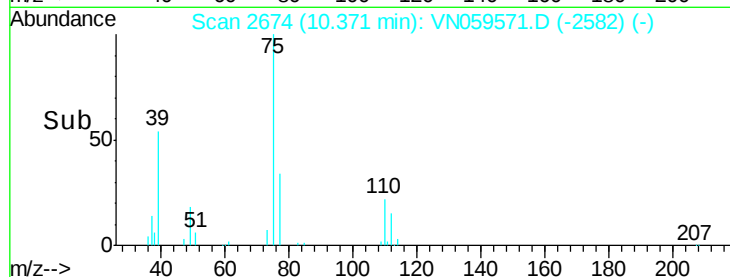
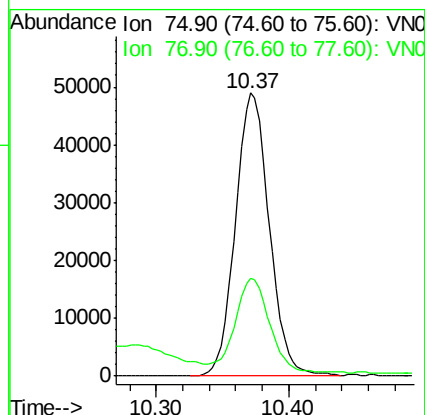
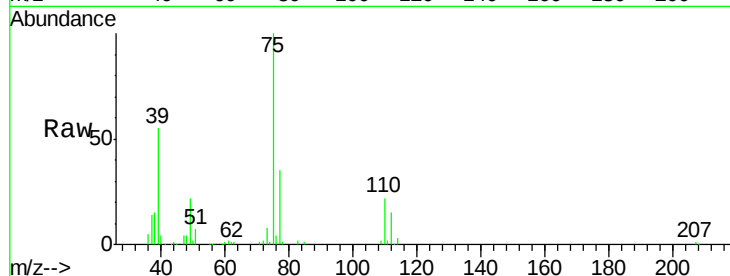
VN1212WBS01

Tgt Ion: 75 Resp: 86809

Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 18.294 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

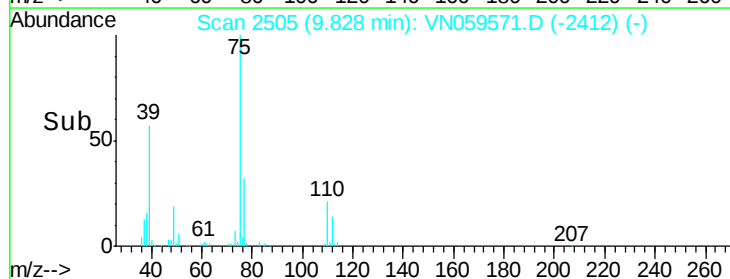
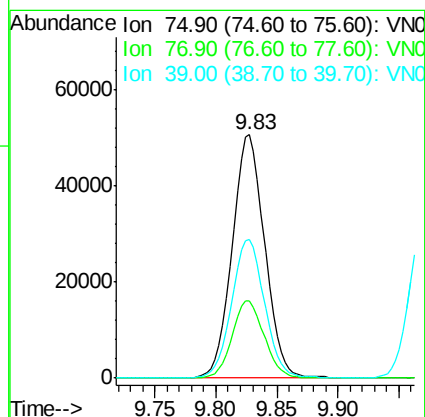
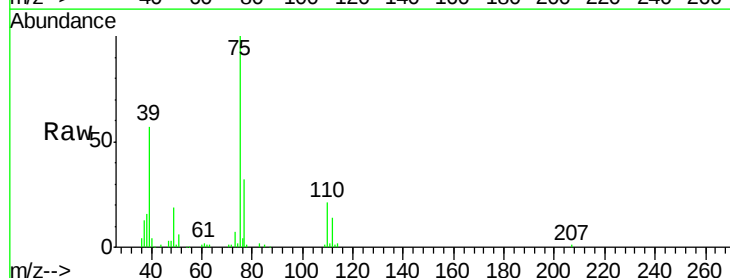
Tgt Ion: 75 Resp: 94197

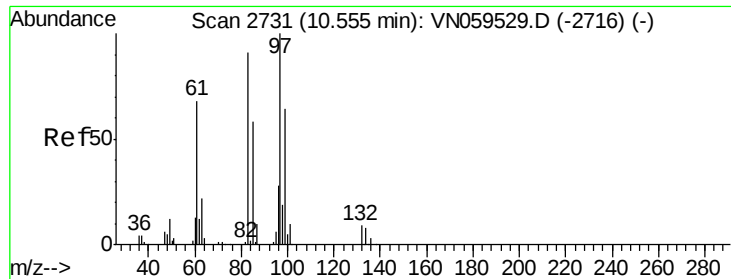
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 57.0 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 17.705 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion: 97 Resp: 52947

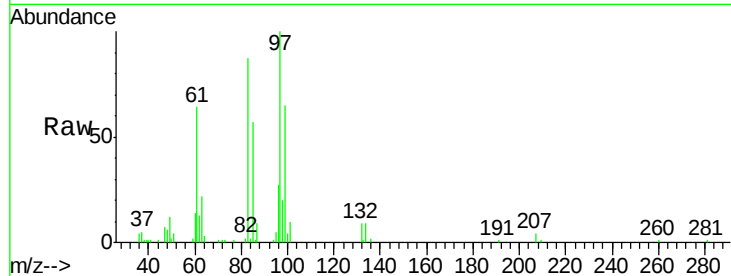
Ion Ratio Lower Upper

97 100

83 86.9 72.9 109.3

85 57.1 46.1 69.1

99 64.9 50.8 76.2

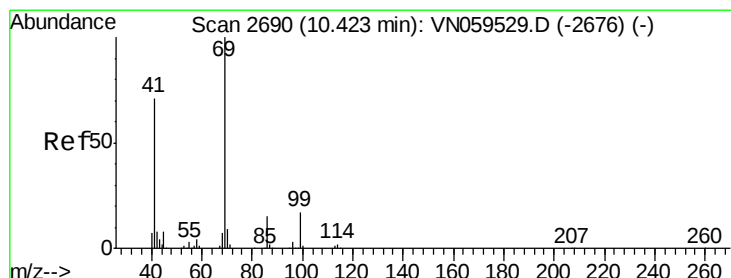
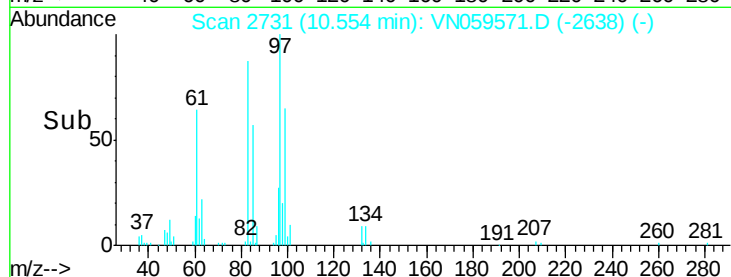
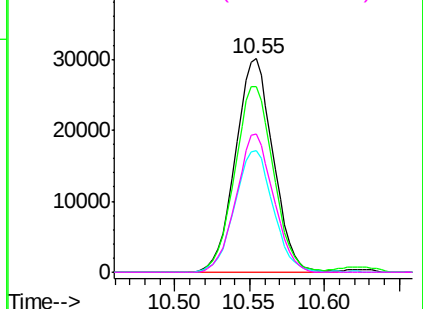


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 15.666 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

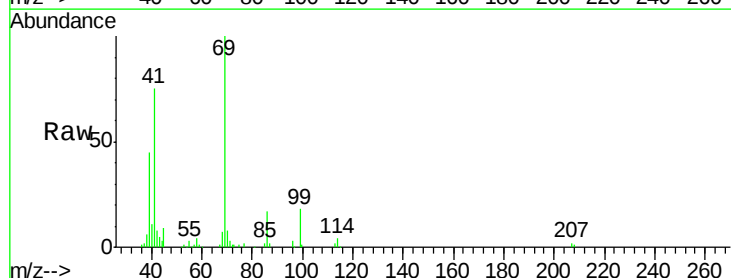
Tgt Ion: 69 Resp: 72846

Ion Ratio Lower Upper

69 100

41 72.5 57.7 86.5

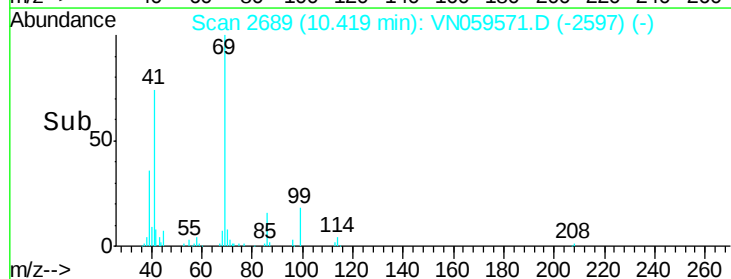
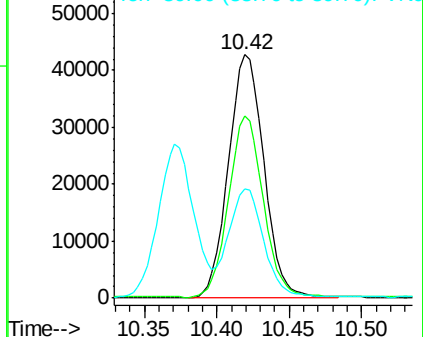
39 43.5 34.2 51.2

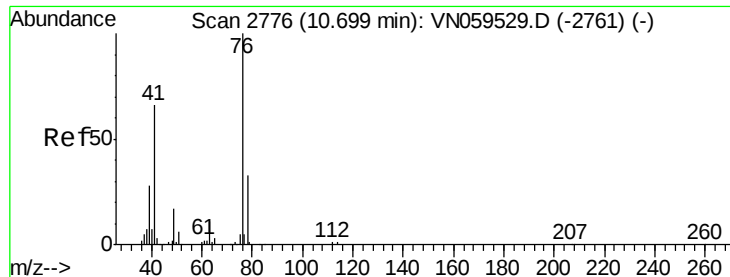


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

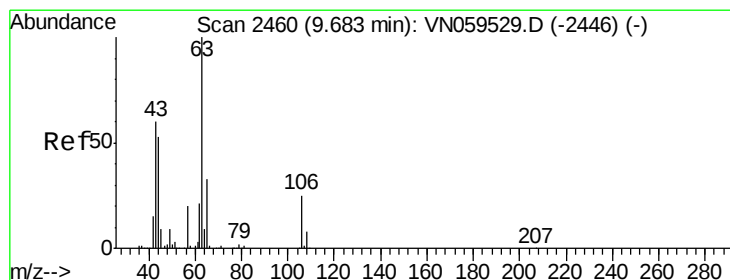
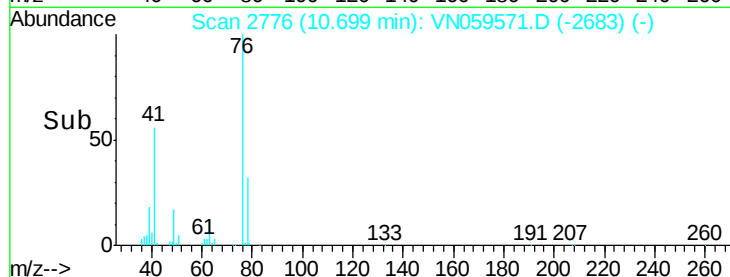
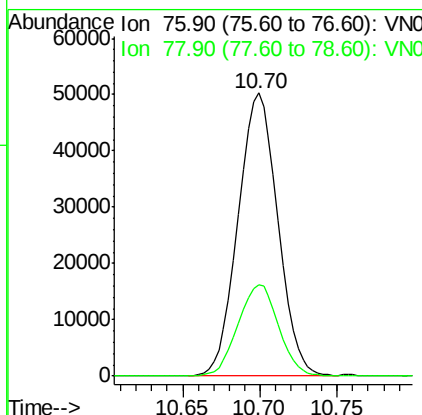
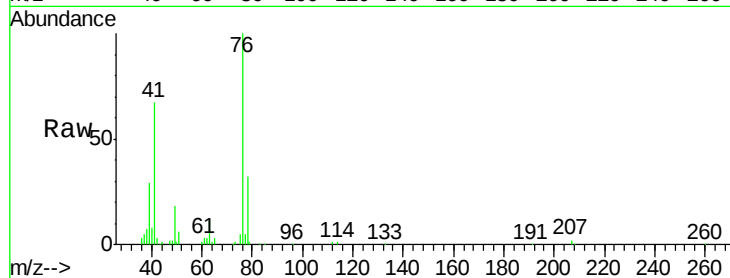




#57
 1,3-Dichloropropane
 Concen: 17.631 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

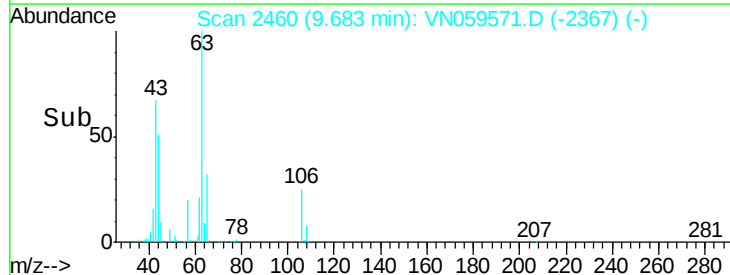
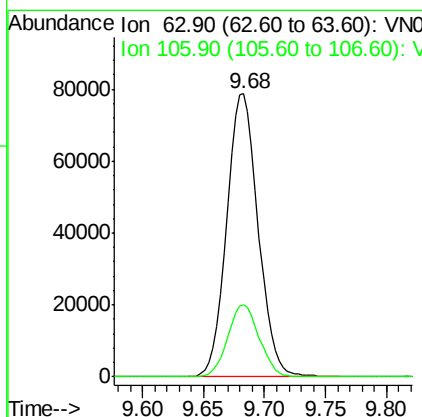
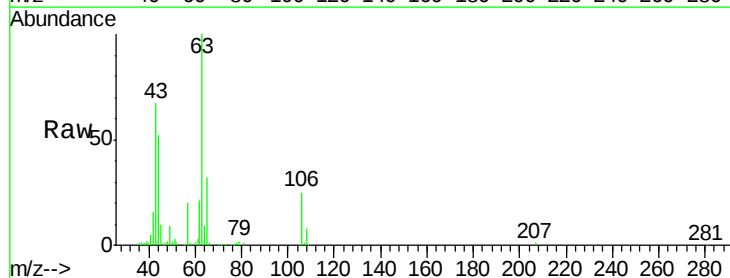
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

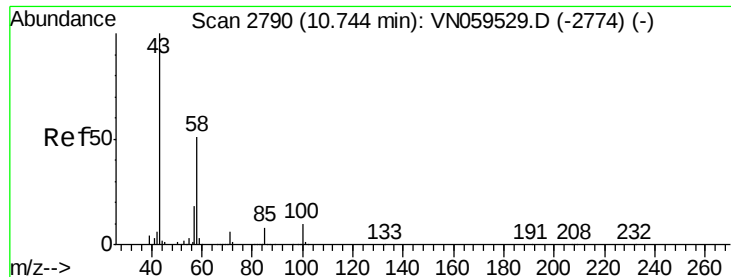
Tgt Ion: 76 Resp: 90048
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.678 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 63 Resp: 141716
 Ion Ratio Lower Upper
 63 100
 106 25.5 19.9 29.9

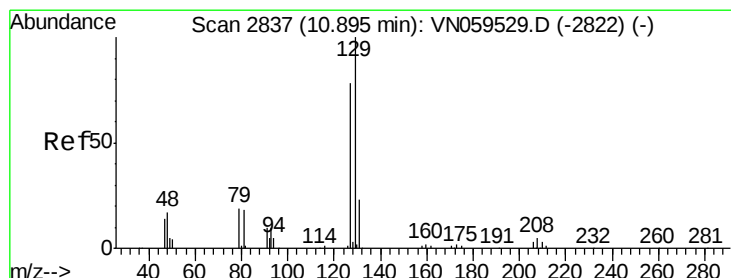
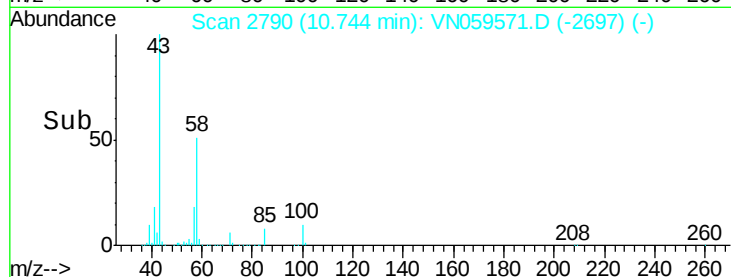
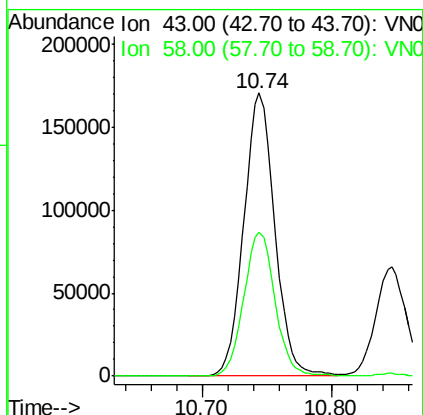
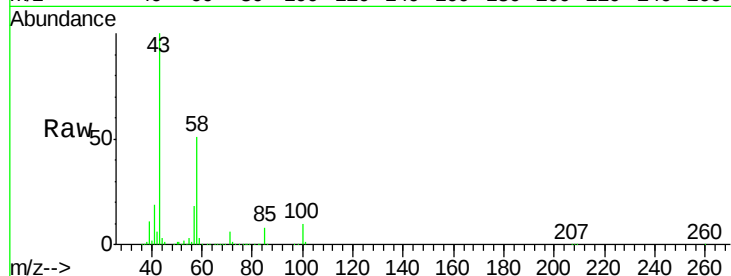




#59
2-Hexanone
Concen: 80.033 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

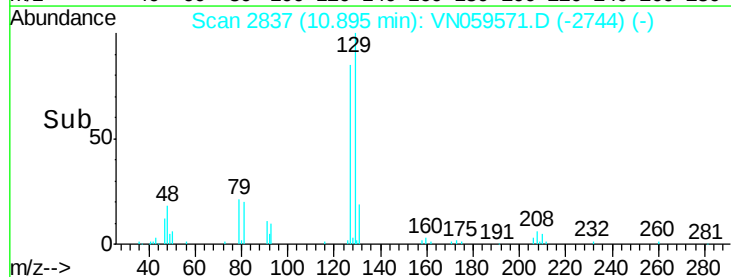
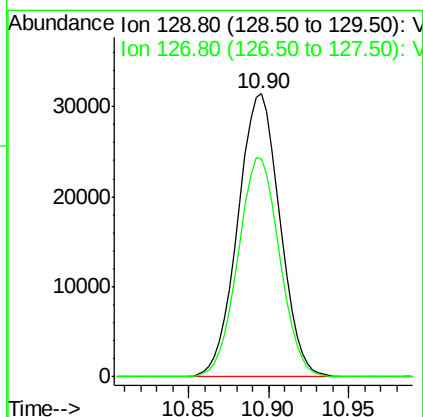
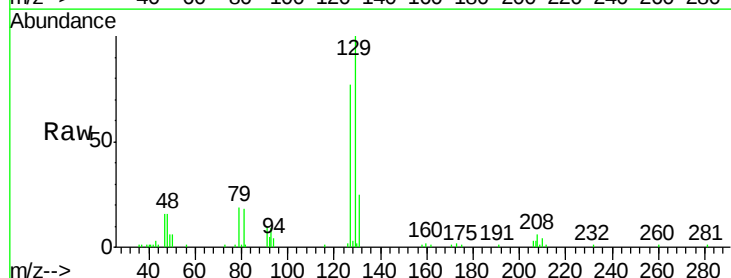
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

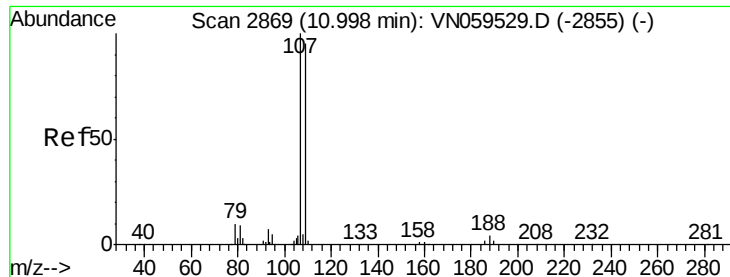
Tgt Ion: 43 Resp: 285733
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.6



#60
Dibromochloromethane
Concen: 16.577 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 129 Resp: 56613
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.6

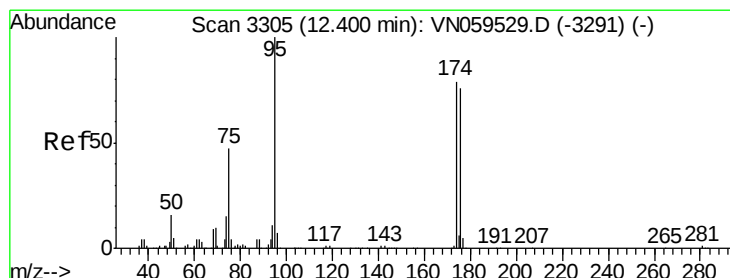
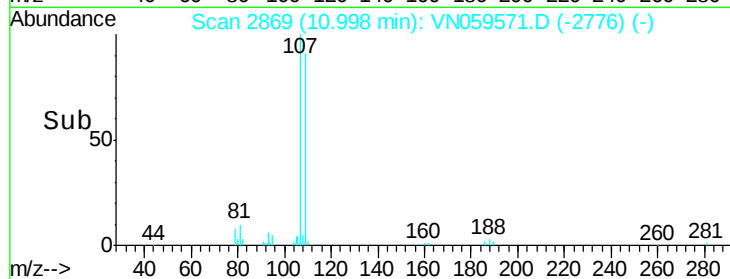
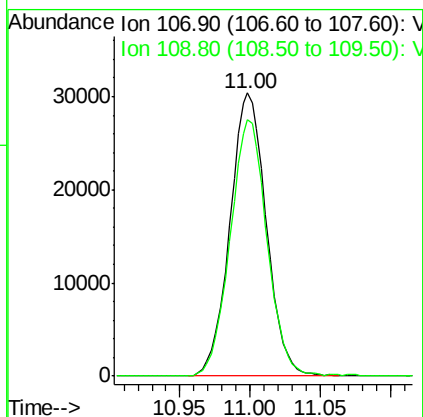
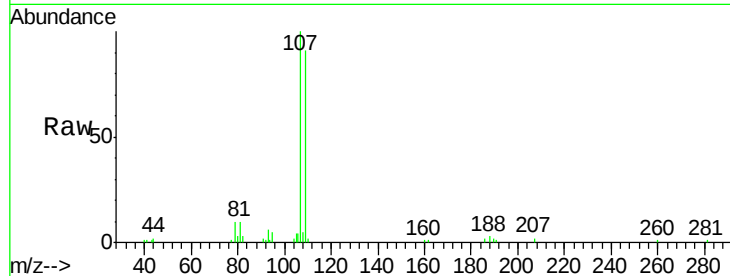




#61
 1,2-Dibromoethane
 Concen: 17.554 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

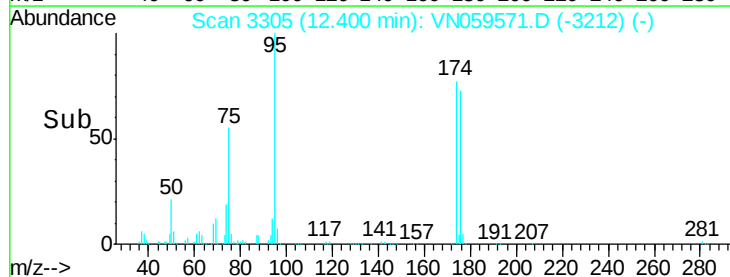
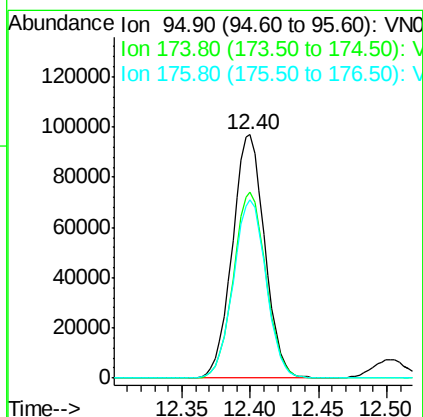
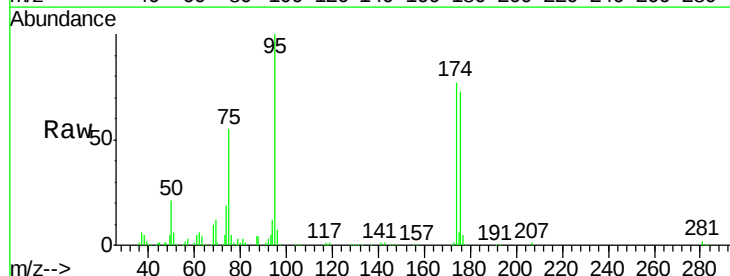
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

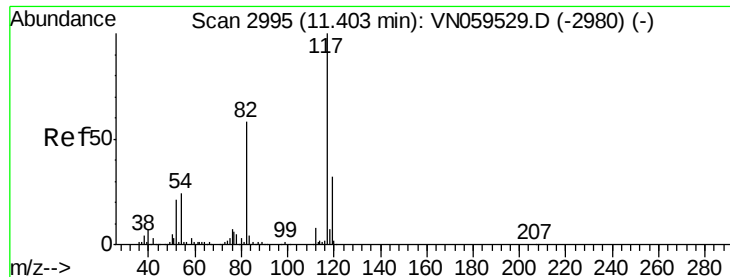
Tgt Ion: 107 Resp: 54649
 Ion Ratio Lower Upper
 107 100
 109 91.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 41.893 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion: 95 Resp: 159965
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 158.0
 176 74.0 0.0 155.4

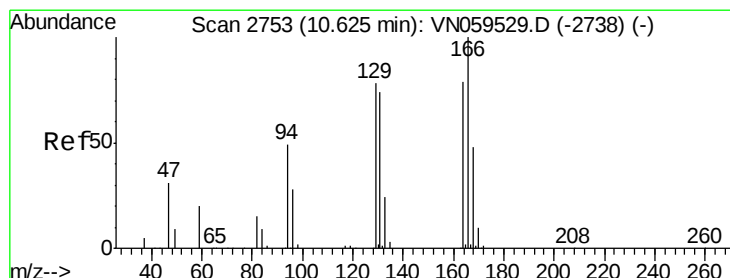
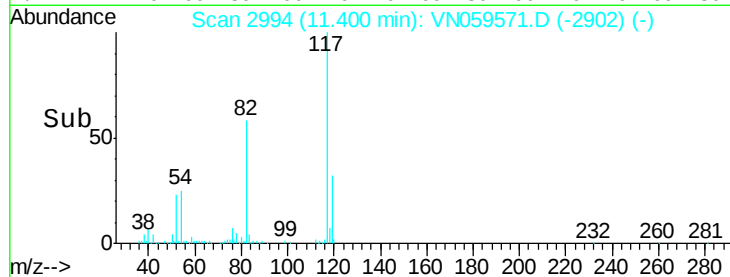
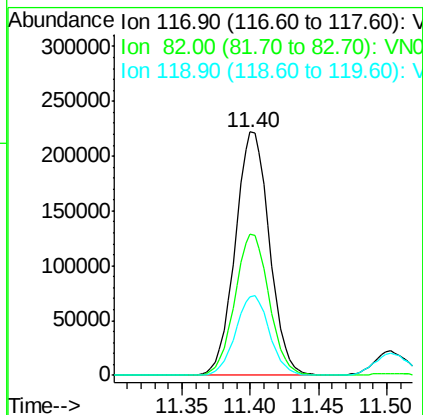
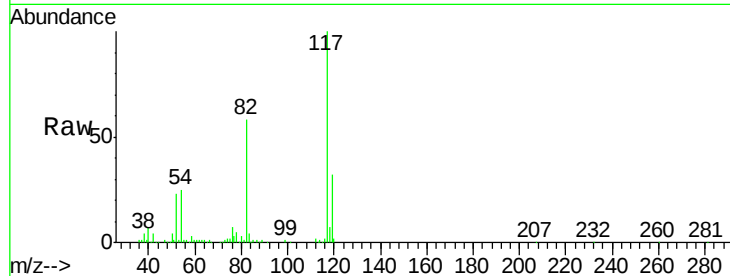




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

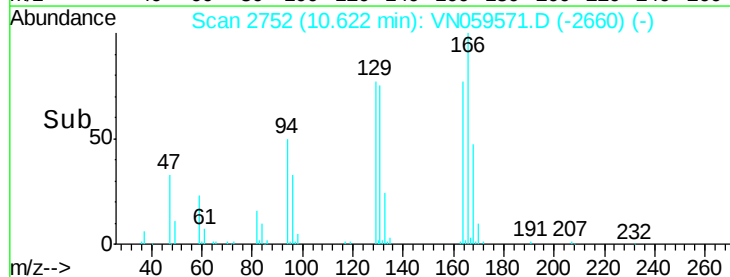
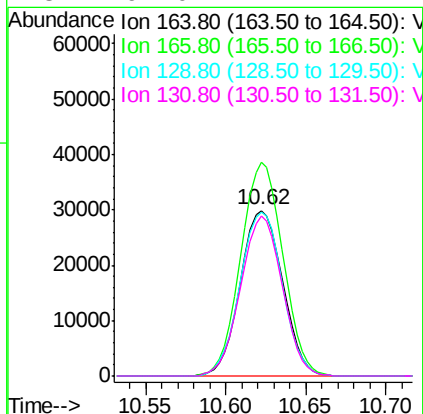
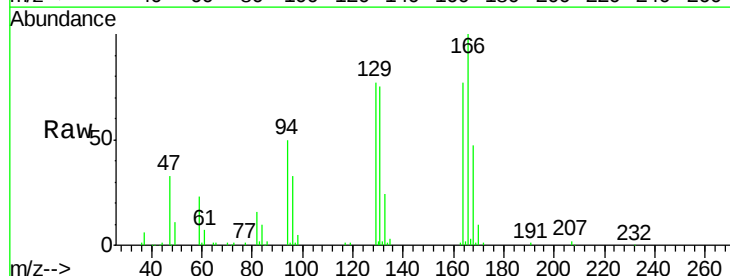
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

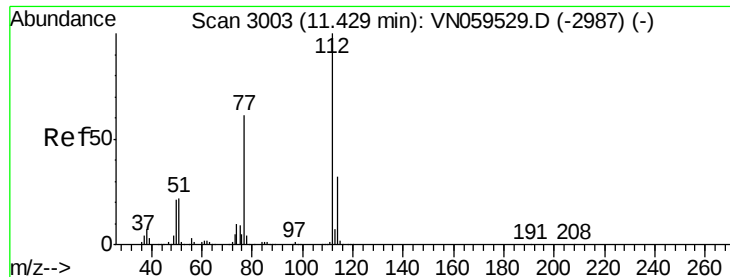
Tgt Ion:117 Resp: 386309
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 32.4 25.2 37.8



#64
Tetrachloroethene
Concen: 19.184 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion:164 Resp: 54163
Ion Ratio Lower Upper
164 100
166 129.3 101.6 152.4
129 99.5 79.0 118.6
131 97.0 74.7 112.1





#65

Chlorobenzene

Concen: 17.389 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

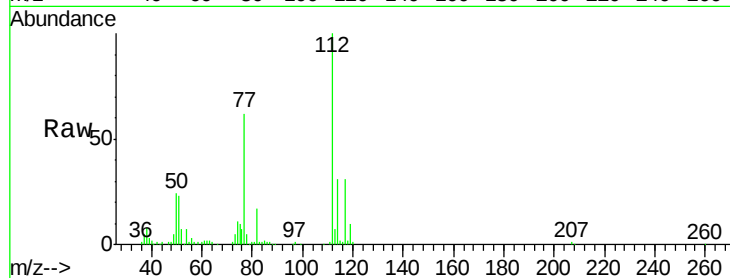
VN1212WBS01

Tgt Ion:112 Resp: 140754

Ion Ratio Lower Upper

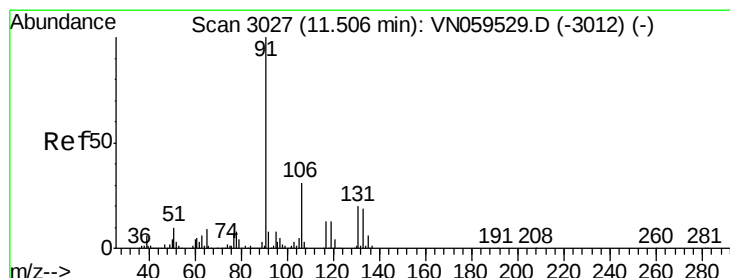
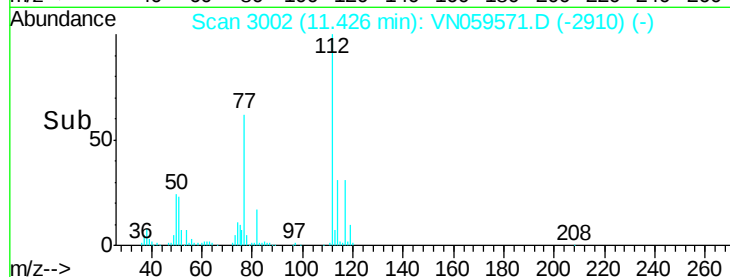
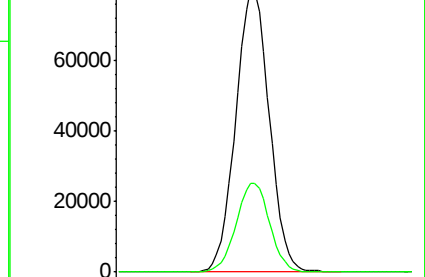
112 100

114 31.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.418 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

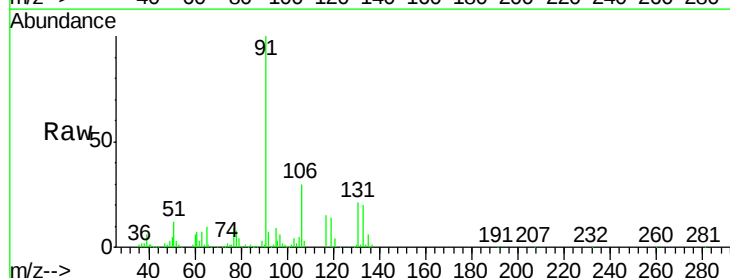
Tgt Ion:131 Resp: 52583

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

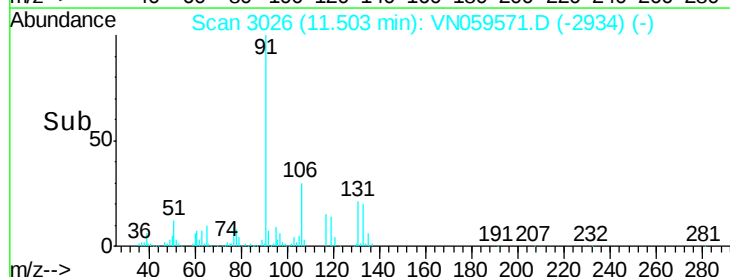
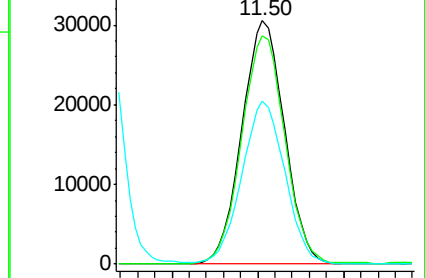
119 67.8 33.4 100.2

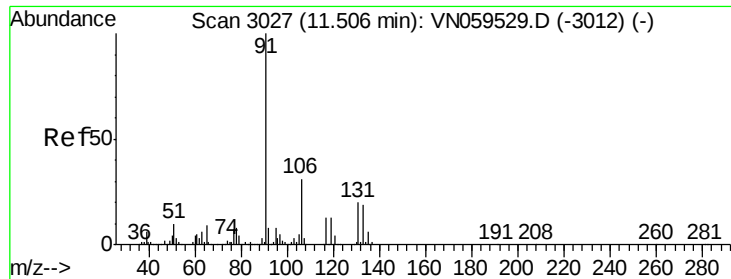


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 17.147 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

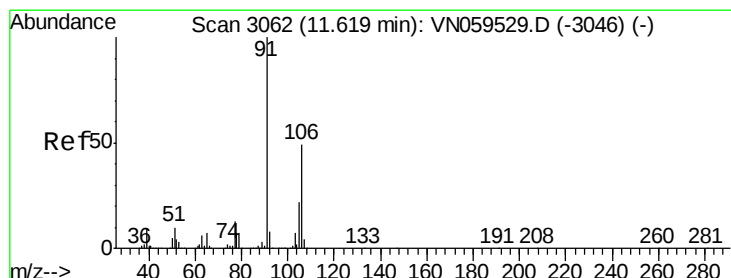
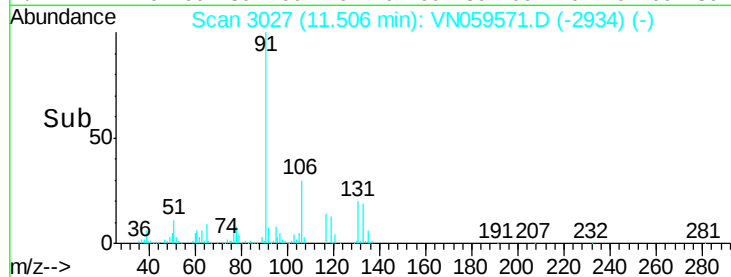
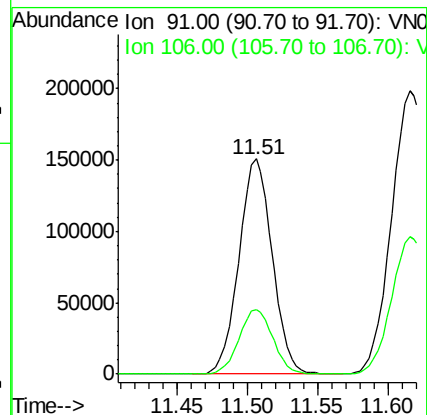
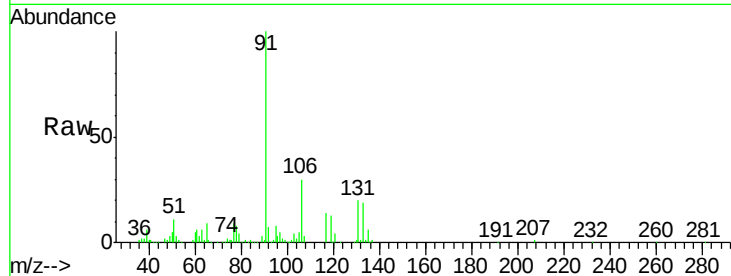
VN1212WBS01

Tgt Ion: 91 Resp: 249755

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7



#68

m/p-Xylenes

Concen: 33.827 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059571.D

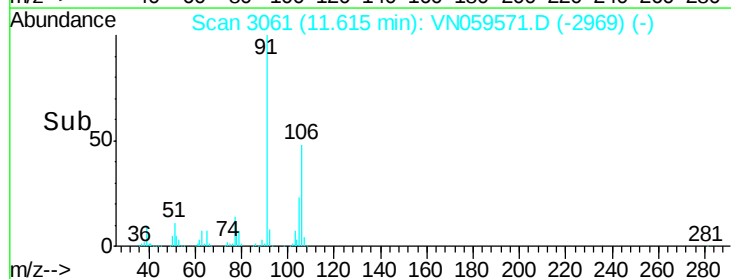
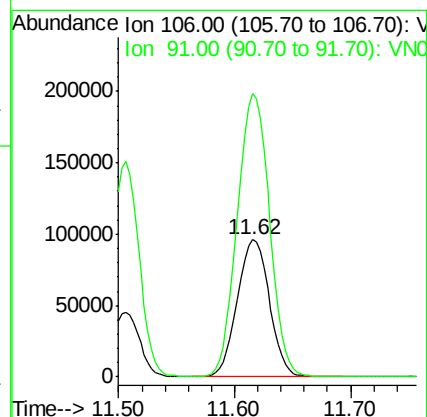
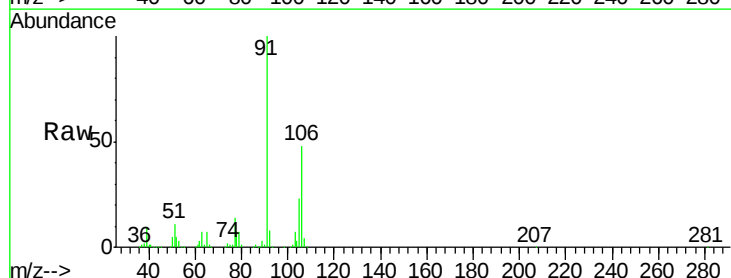
Acq: 12 Dec 2019 13:53

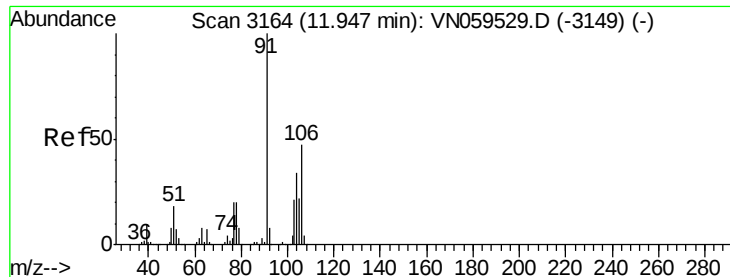
Tgt Ion: 106 Resp: 184833

Ion Ratio Lower Upper

106 100

91 206.6 162.9 244.3





#69

o-Xylene

Concen: 17.027 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

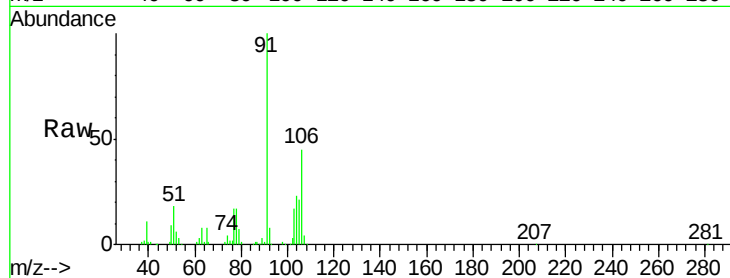
VN1212WBS01

Tgt Ion:106 Resp: 86597

Ion Ratio Lower Upper

106 100

91 219.7 106.7 319.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

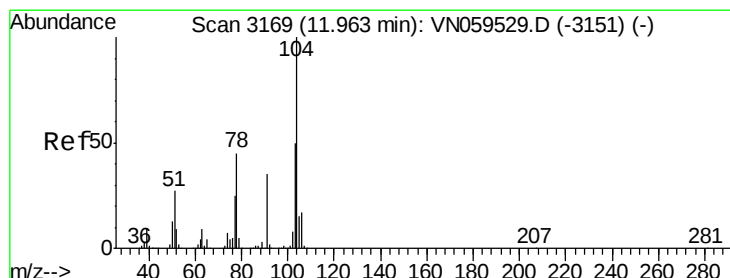
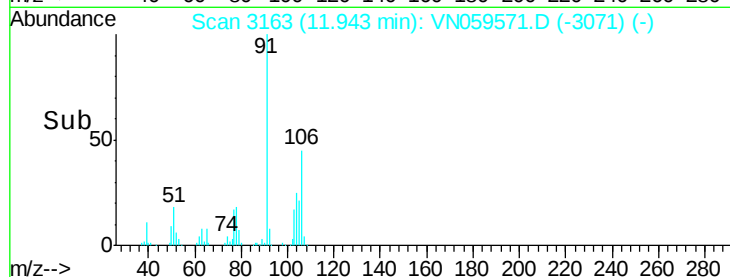
100000

50000

0

11.94

Time-->



#70

Styrene

Concen: 16.614 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

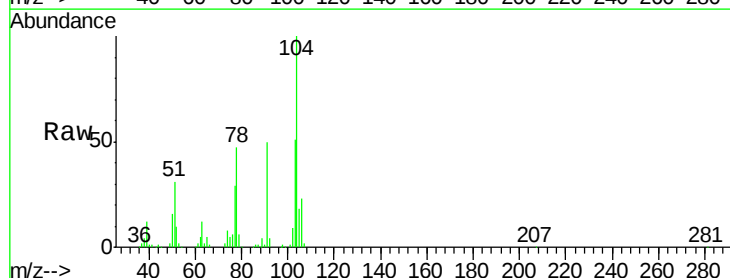
Tgt Ion:104 Resp: 139981

Ion Ratio Lower Upper

104 100

78 53.5 40.6 60.8

103 55.8 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

100000

80000

60000

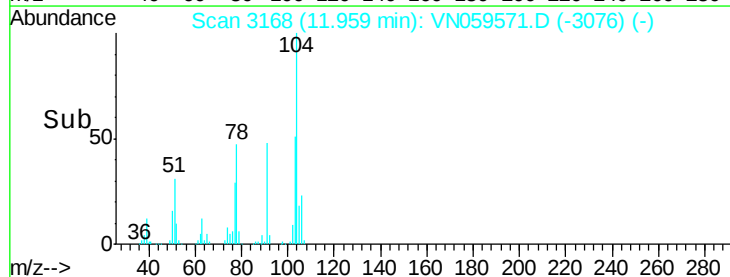
40000

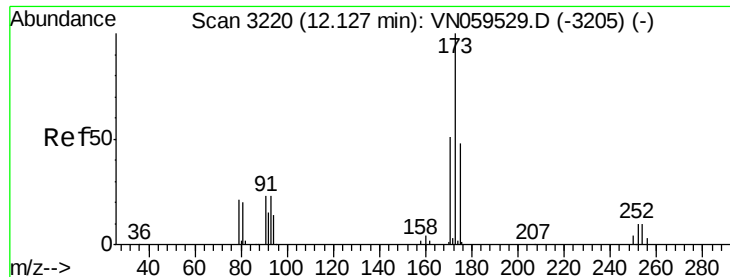
20000

0

11.96

Time-->





#71

Bromoform

Concen: 15.954 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

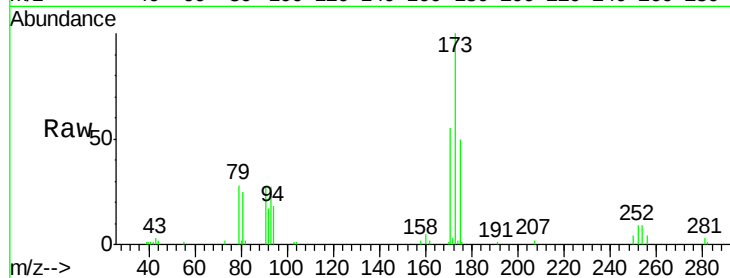
Tgt Ion:173 Resp: 37897

Ion Ratio Lower Upper

173 100

175 49.4 24.1 72.4

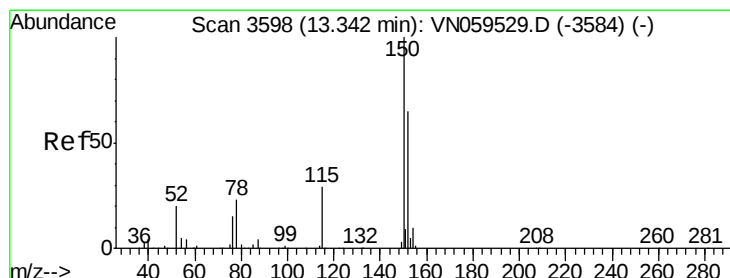
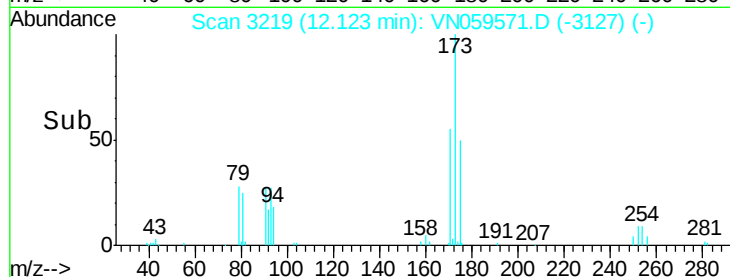
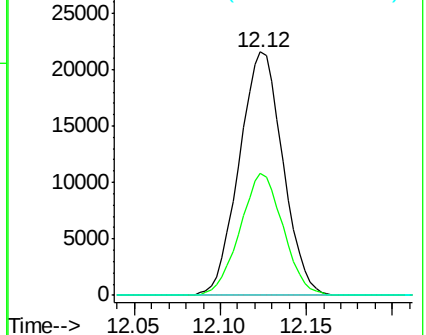
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

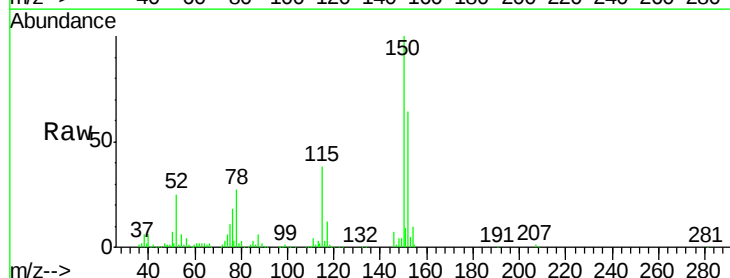
Tgt Ion:152 Resp: 180812

Ion Ratio Lower Upper

152 100

115 59.7 29.4 88.2

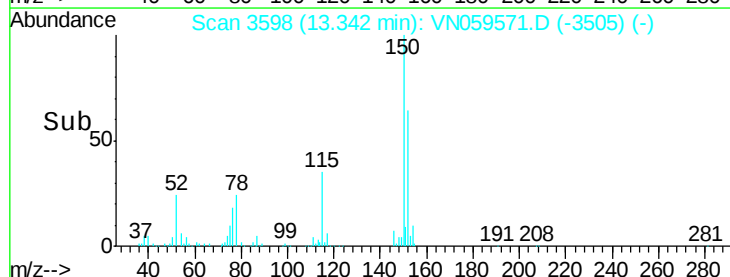
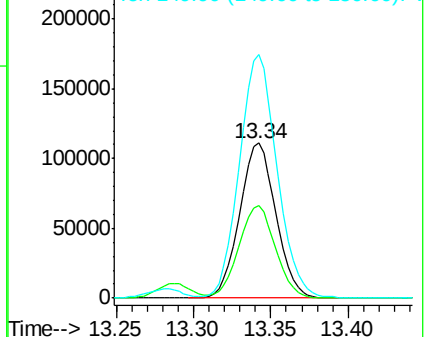
150 163.3 0.0 342.4

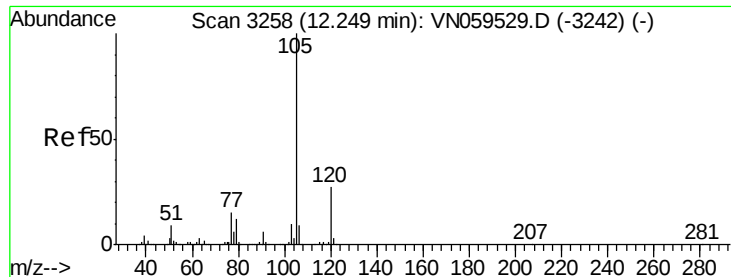


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.282 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

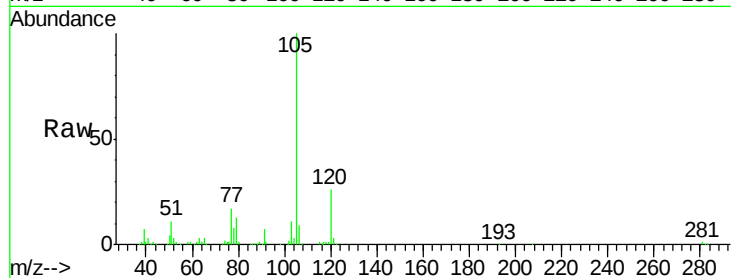
VN1212WBS01

Tgt Ion: 105 Resp: 234393

Ion Ratio Lower Upper

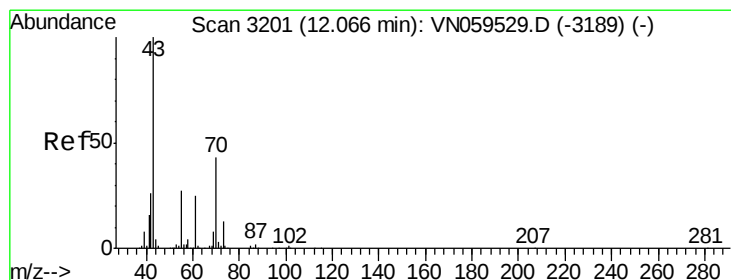
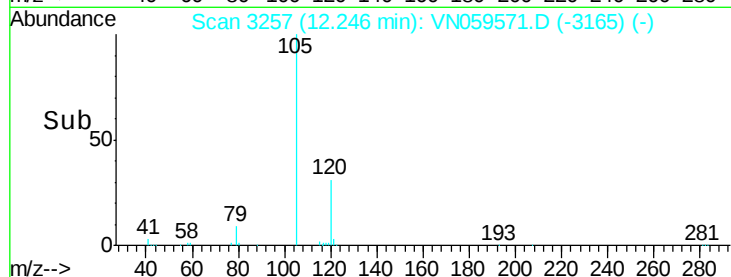
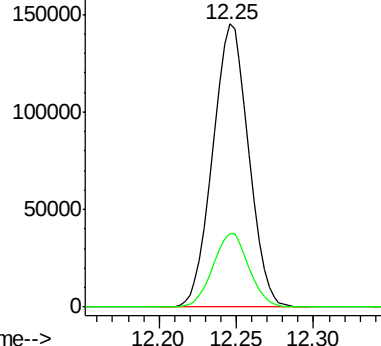
105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.063 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Tgt Ion: 43 Resp: 100808

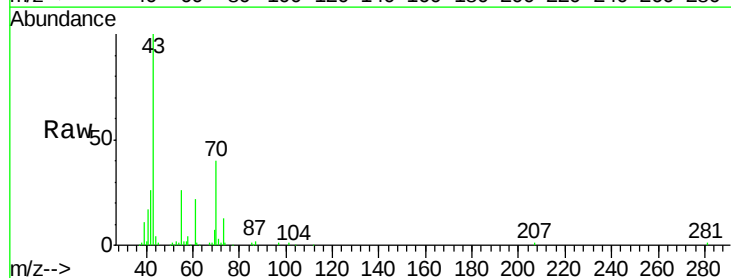
Ion Ratio Lower Upper

43 100

70 38.6 34.2 51.4

55 26.4 21.3 31.9

61 22.1 19.8 29.8

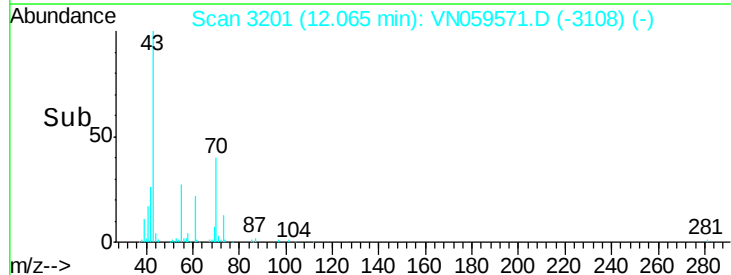
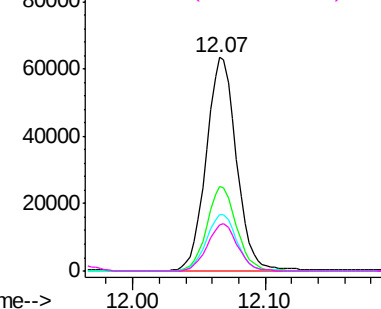


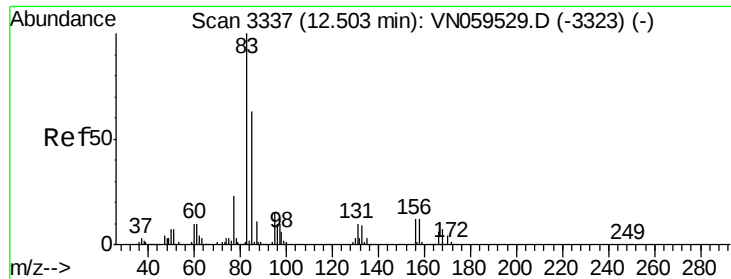
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.357 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

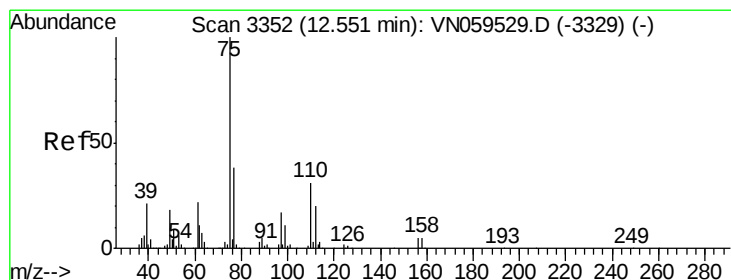
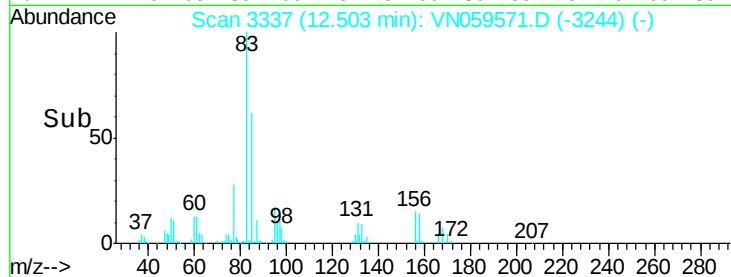
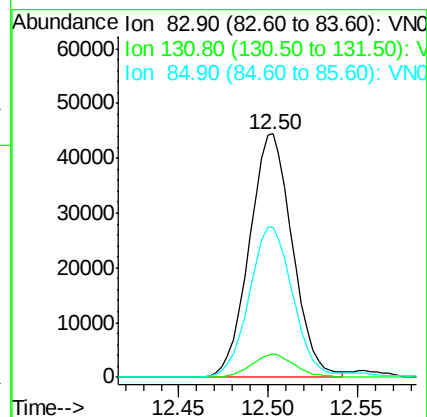
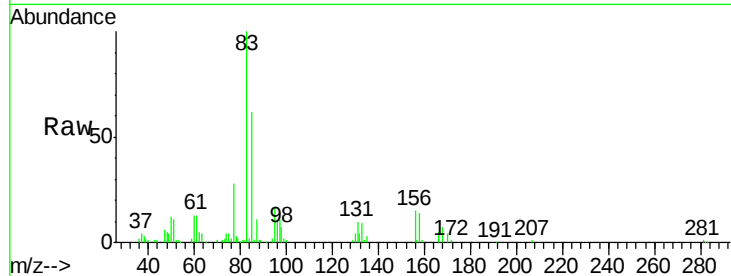
Tgt Ion: 83 Resp: 75174

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

85 62.6 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 23.029 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059571.D

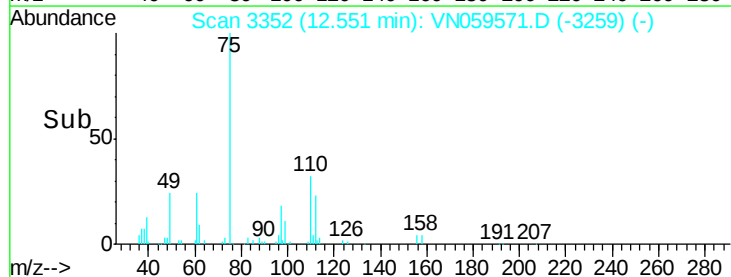
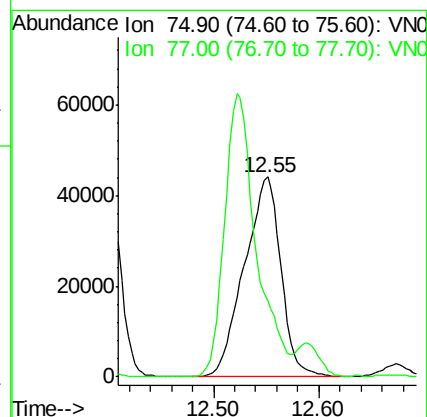
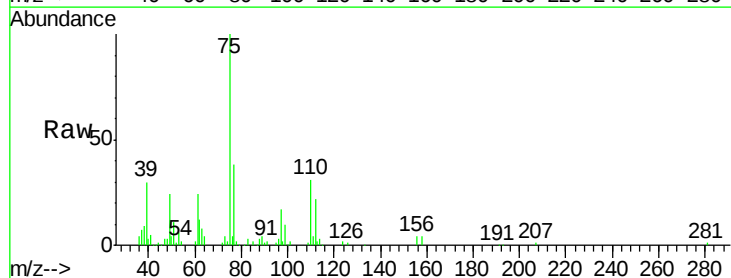
Acq: 12 Dec 2019 13:53

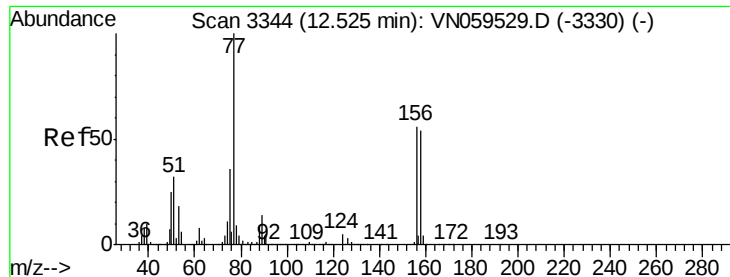
Tgt Ion: 75 Resp: 106484

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 16.888 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

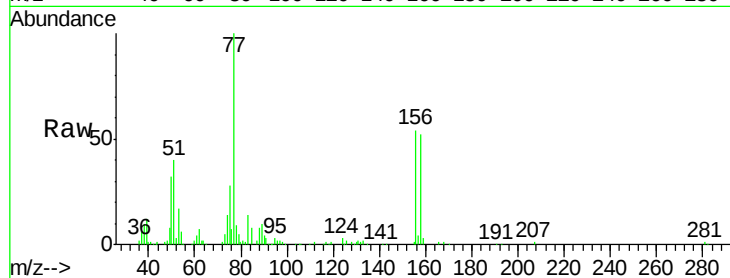
Tgt Ion:156 Resp: 57023

Ion Ratio Lower Upper

156 100

77 228.4 109.3 327.8

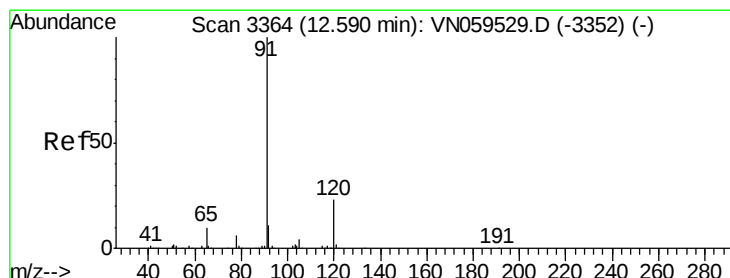
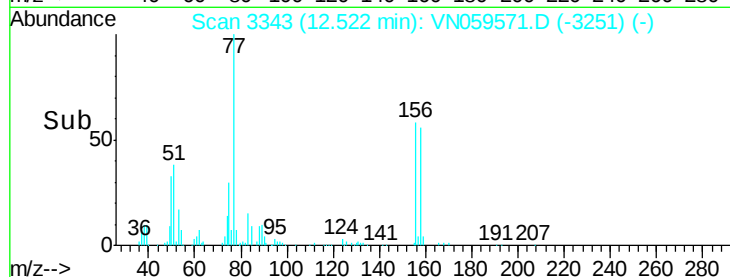
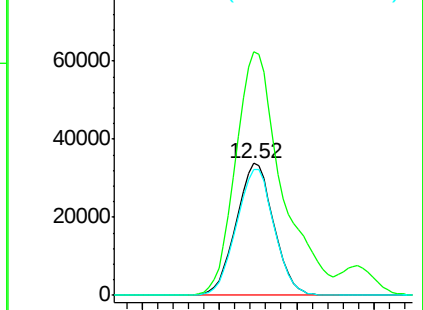
158 96.2 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.920 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059571.D

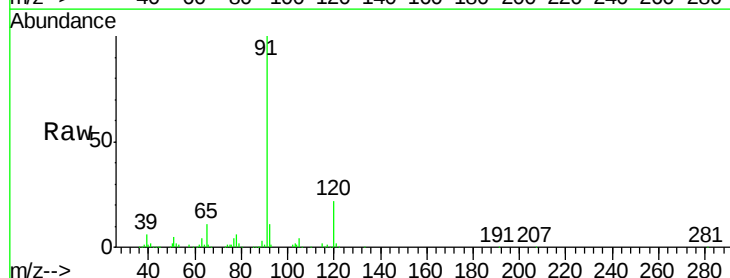
Acq: 12 Dec 2019 13:53

Tgt Ion: 91 Resp: 281993

Ion Ratio Lower Upper

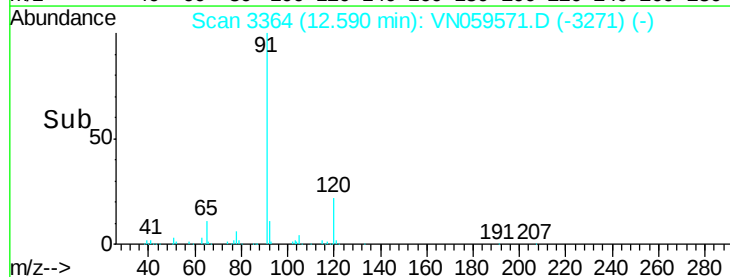
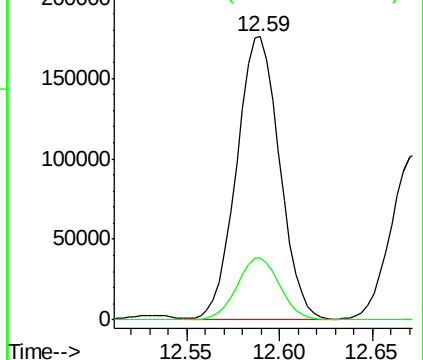
91 100

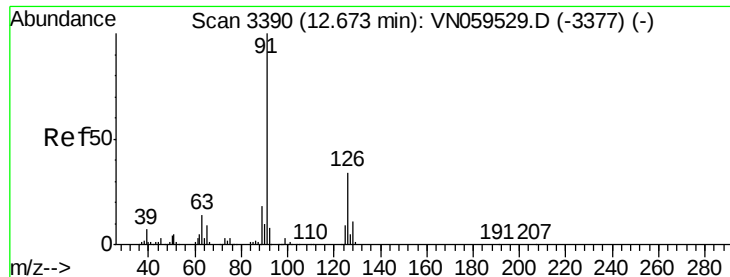
120 22.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.781 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

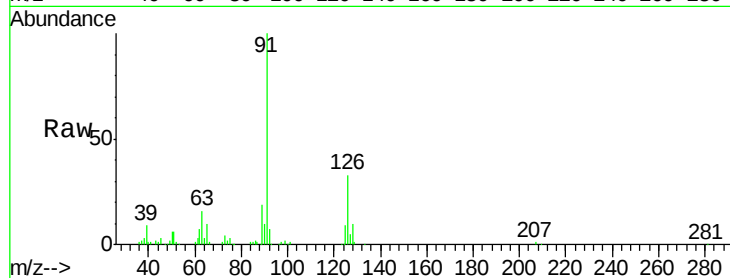
VN1212WBS01

Tgt Ion: 91 Resp: 166773

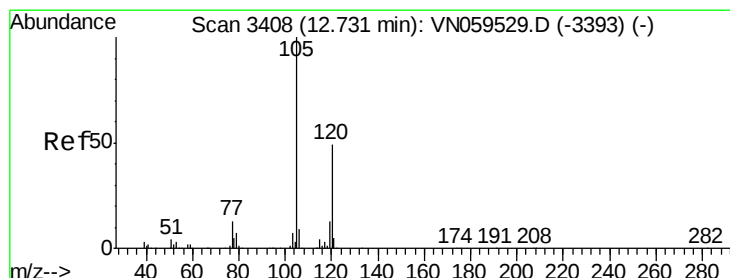
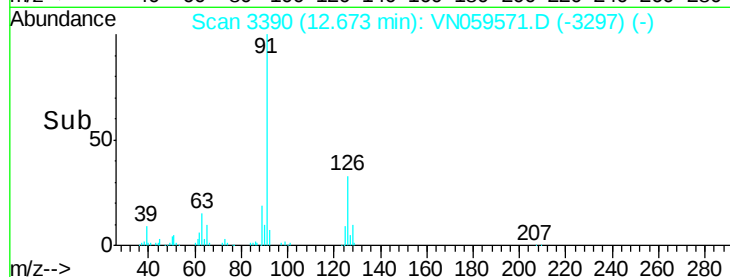
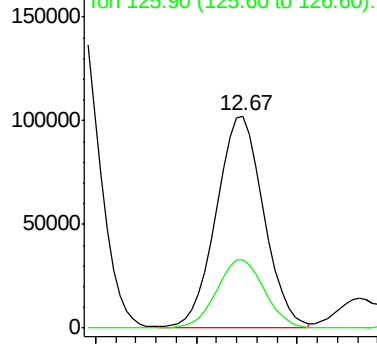
Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.406 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059571.D

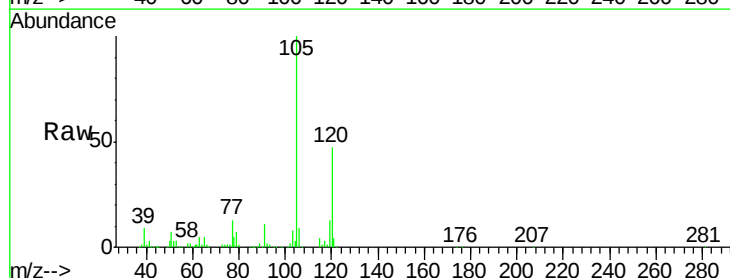
Acq: 12 Dec 2019 13:53

Tgt Ion: 105 Resp: 202444

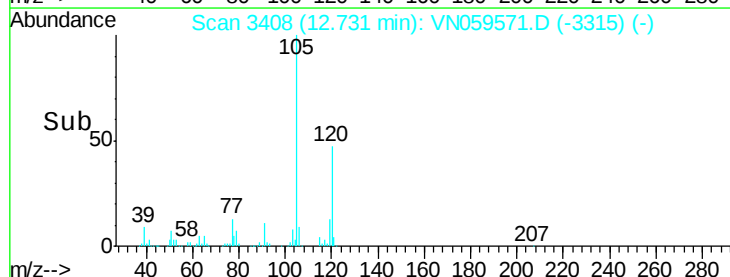
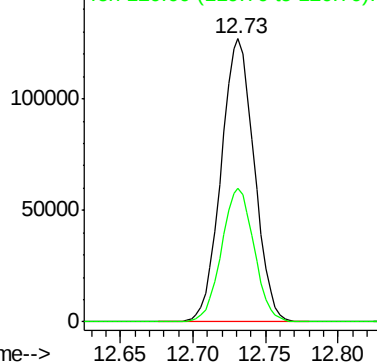
Ion Ratio Lower Upper

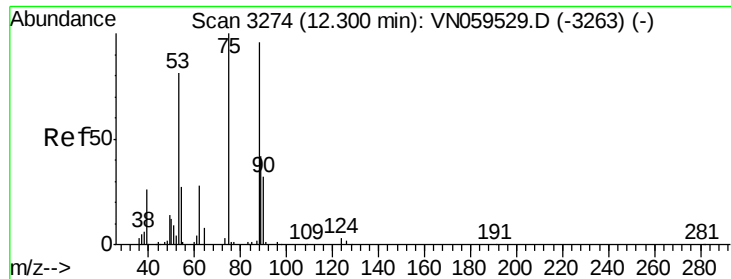
105 100

120 46.3 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

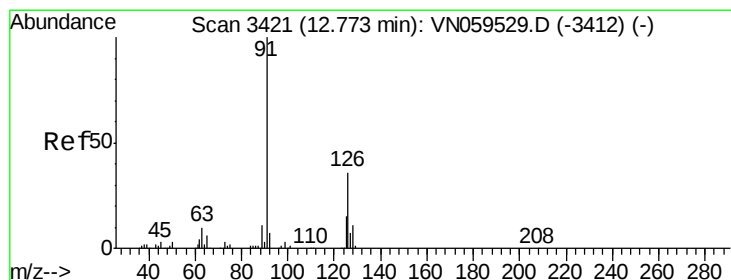
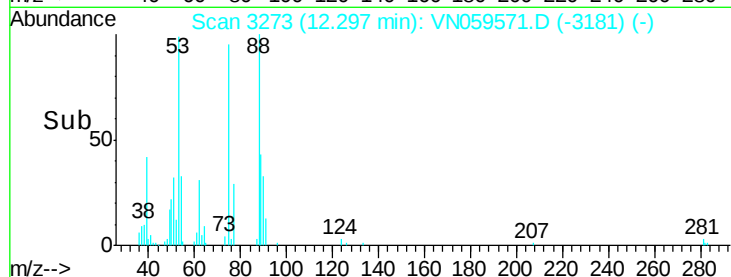
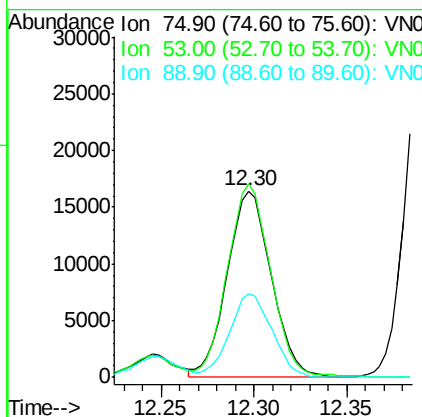
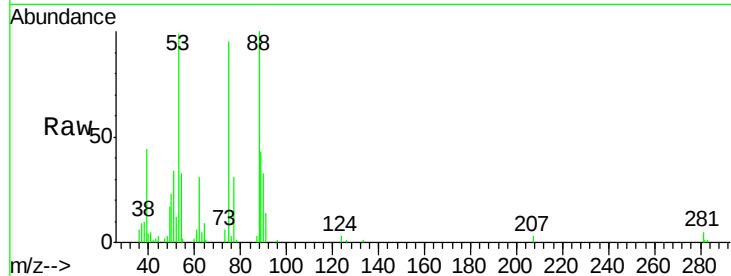




#81
trans-1,4-Dichloro-2-butene
Concen: 15.860 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

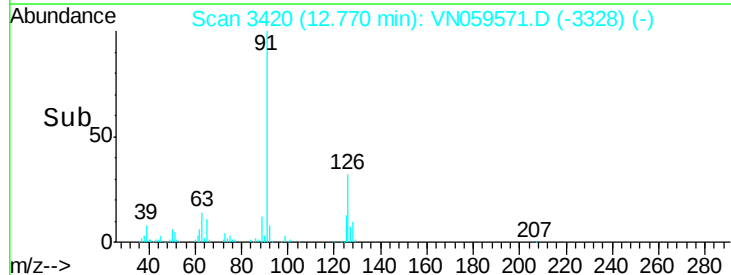
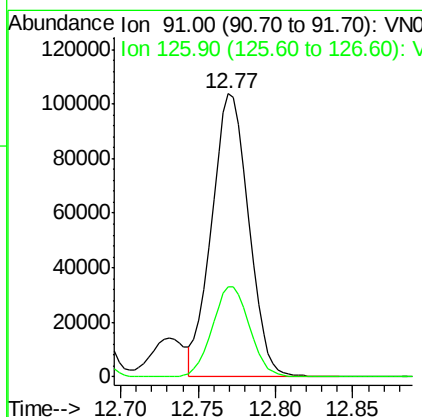
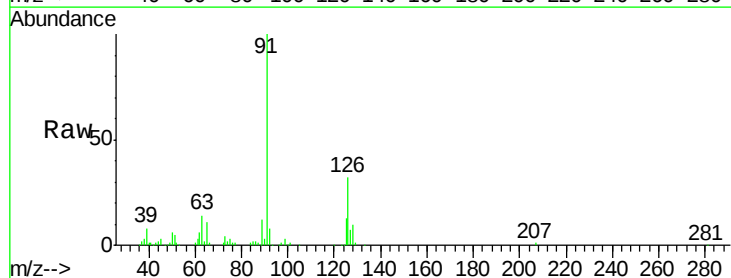
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

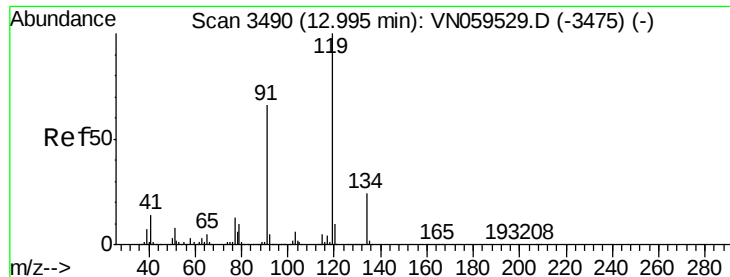
Tgt Ion: 75 Resp: 27257
Ion Ratio Lower Upper
75 100
53 102.0 67.0 100.6#
89 43.1 35.5 53.3



#82
4-Chlorotoluene
Concen: 16.903 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion: 91 Resp: 171762
Ion Ratio Lower Upper
91 100
126 32.2 16.4 49.4

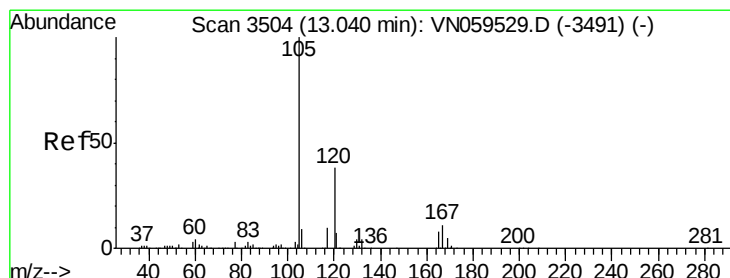
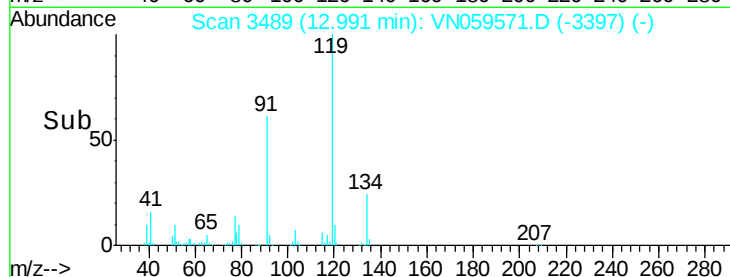
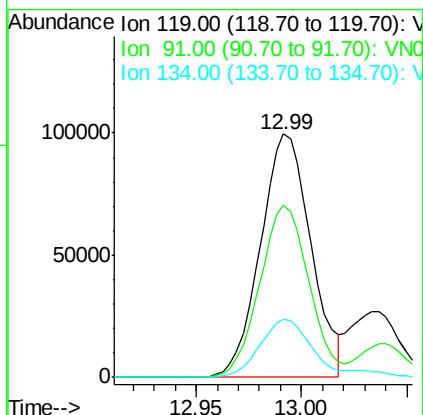
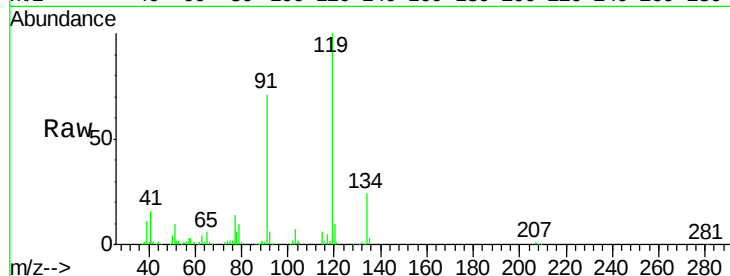




#83
 tert-Butylbenzene
 Concen: 17.078 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

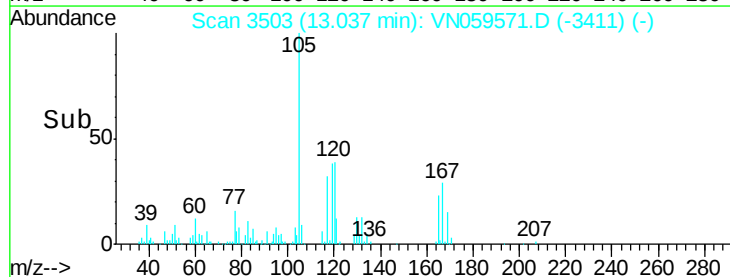
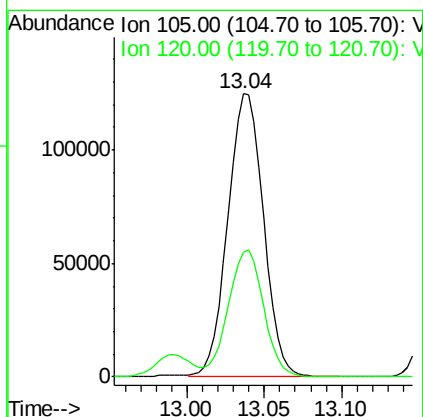
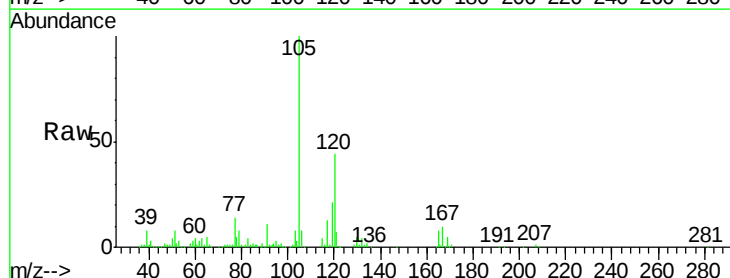
Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBS01

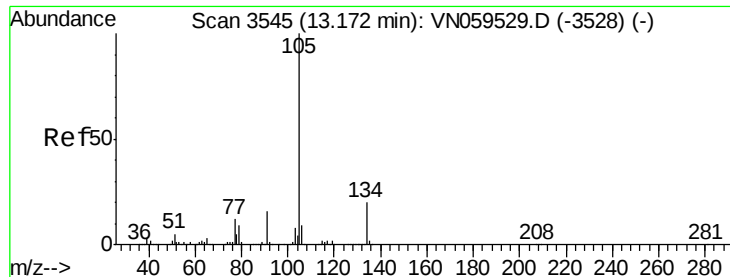
Tgt Ion:119 Resp: 165635
 Ion Ratio Lower Upper
 119 100
 91 69.2 32.8 98.4
 134 25.9 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.305 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion:105 Resp: 198734
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.8 68.3

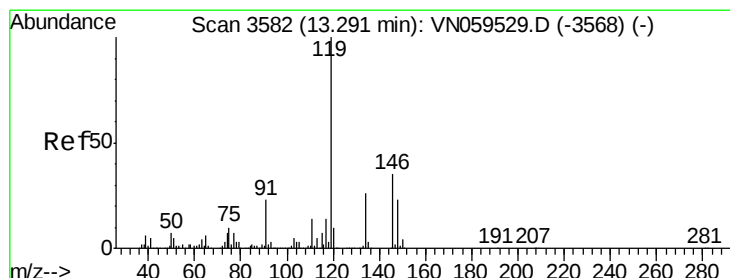
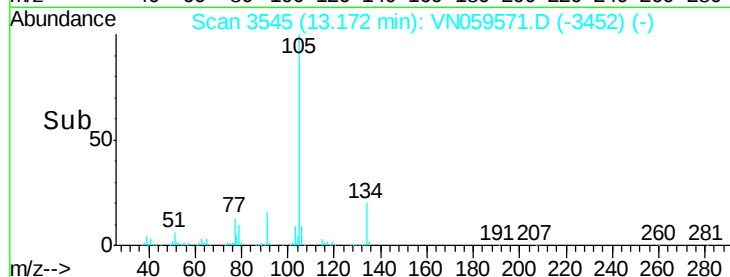
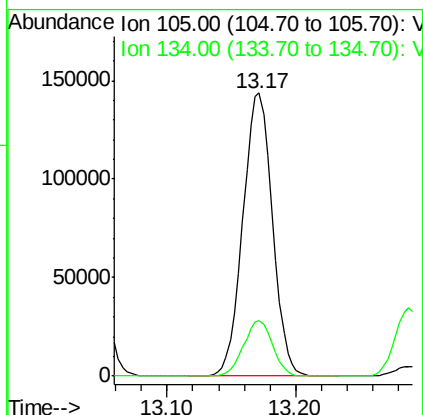
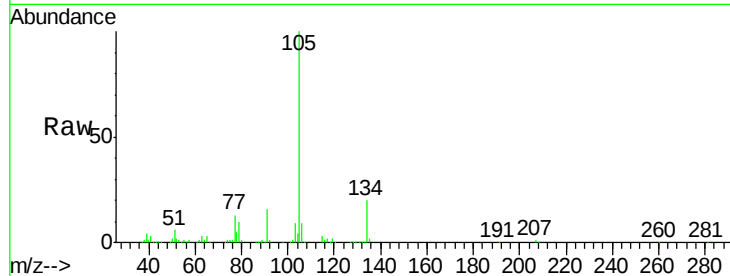




#85
 sec-Butylbenzene
 Concen: 17.218 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

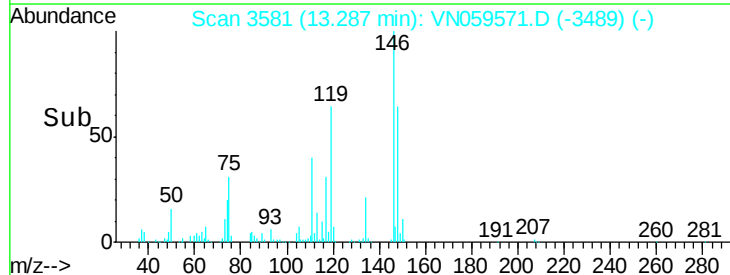
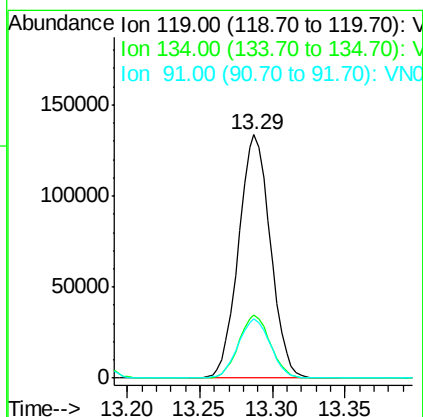
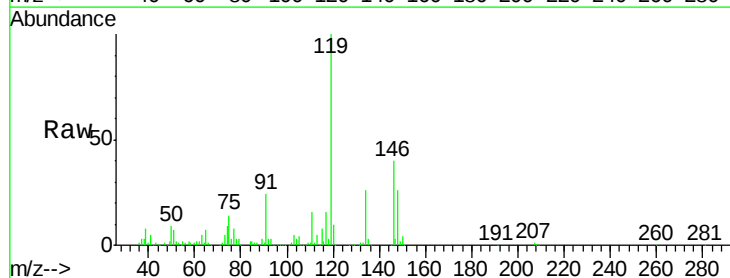
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Tgt Ion:105 Resp: 229368
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.081 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion:119 Resp: 203378
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 24.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 16.524 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

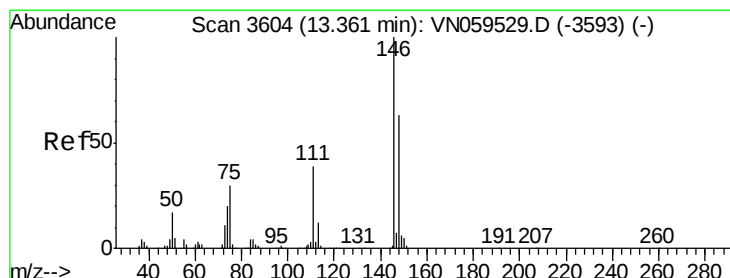
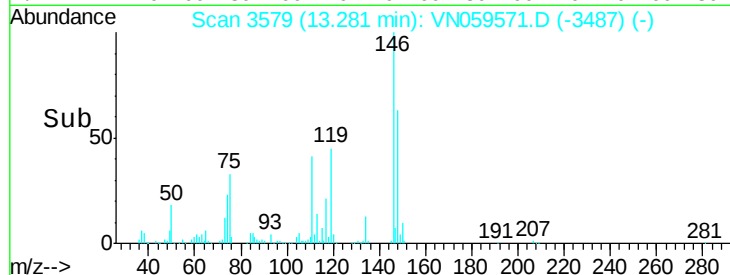
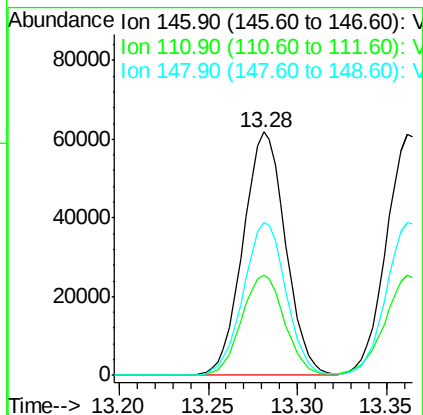
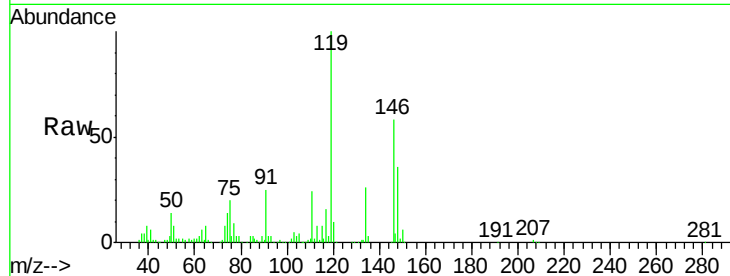
Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

Tgt Ion:	146	Resp:	102766
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	63.0	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 16.979 ug/l

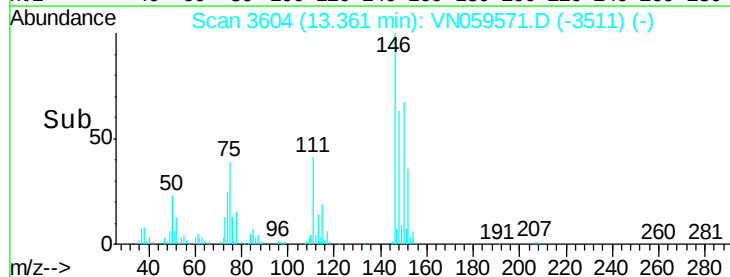
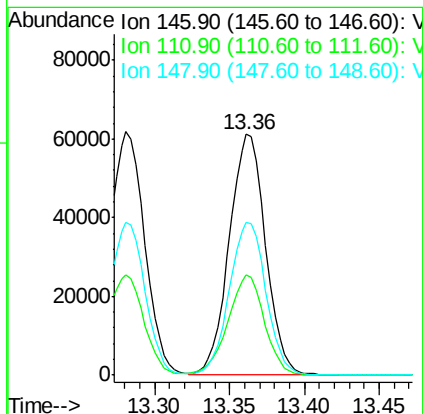
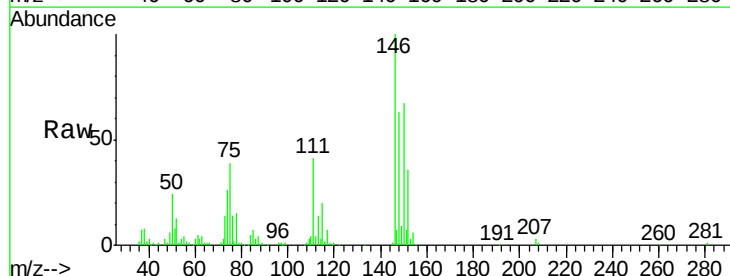
RT: 13.36 min Scan# 3604

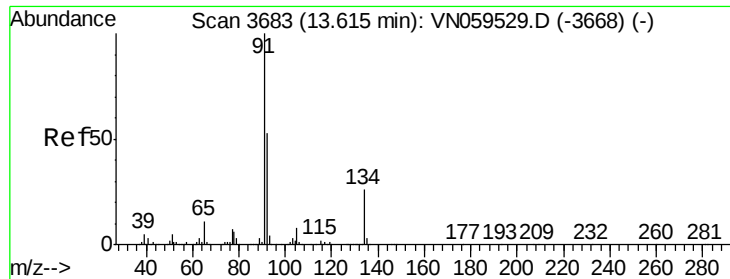
Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Tgt Ion:	146	Resp:	103397
Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	59.9
148	64.1	31.9	95.7





#89

n-Butylbenzene

Concen: 17.082 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059571.D

Acq: 12 Dec 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

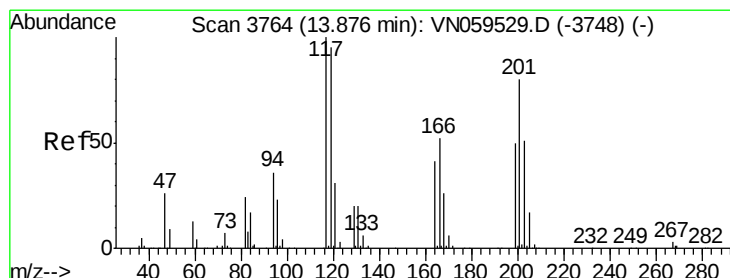
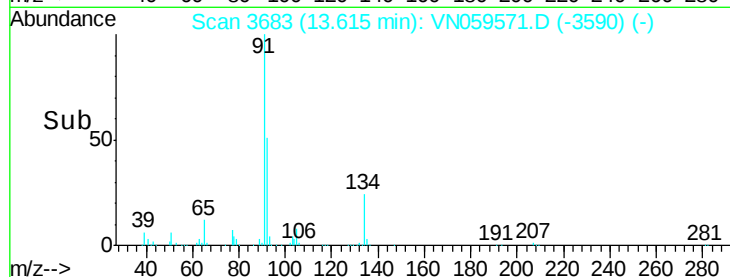
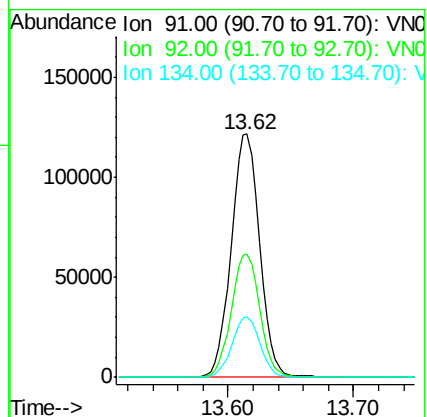
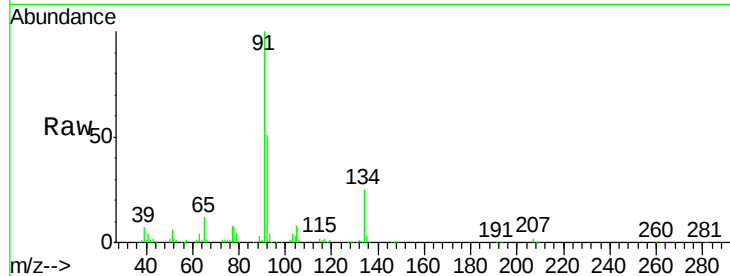
Tgt Ion: 91 Resp: 190978

Ion Ratio Lower Upper

91 100

92 50.8 26.3 78.9

134 24.5 12.8 38.4



#90

Hexachloroethane

Concen: 17.839 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059571.D

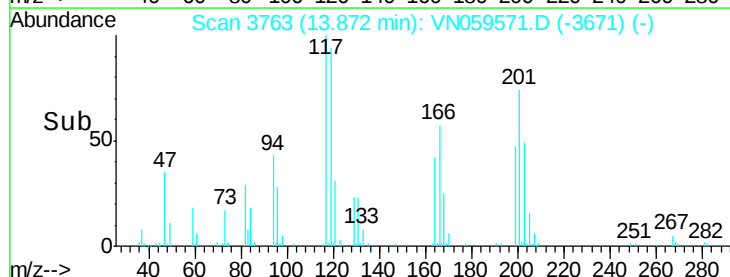
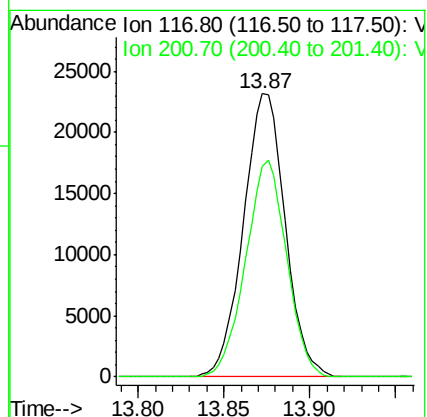
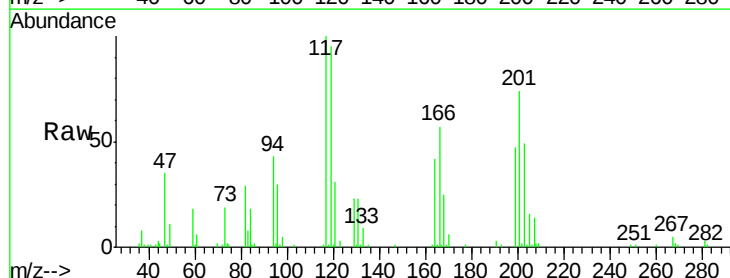
Acq: 12 Dec 2019 13:53

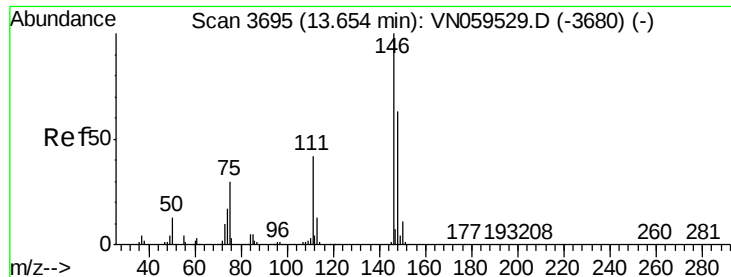
Tgt Ion: 117 Resp: 39008

Ion Ratio Lower Upper

117 100

201 75.0 40.5 121.5

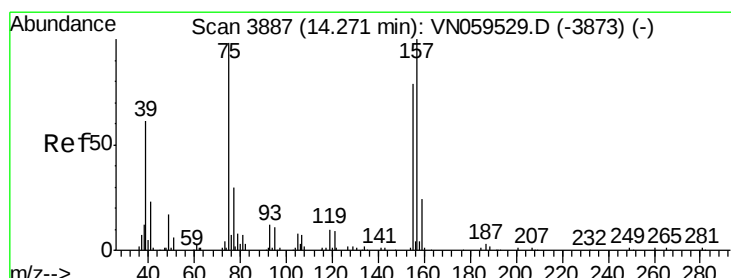
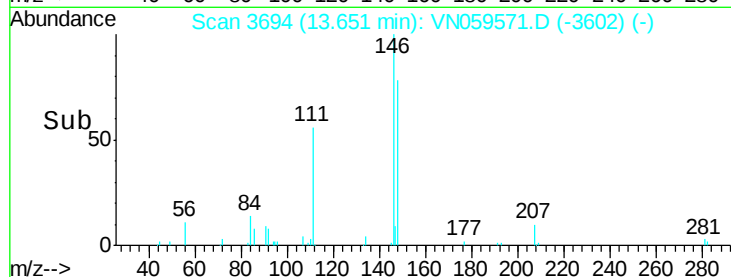
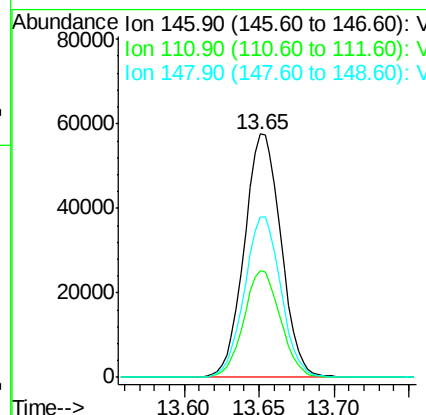
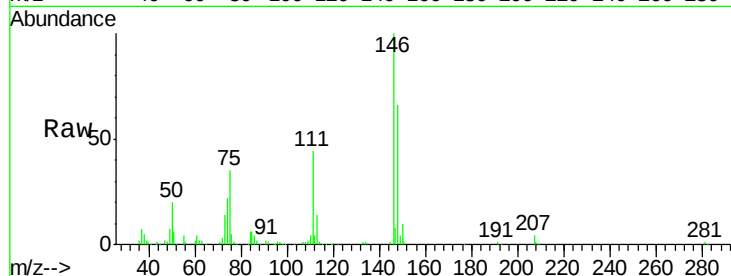




#91
 1,2-Dichlorobenzene
 Concen: 16.896 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

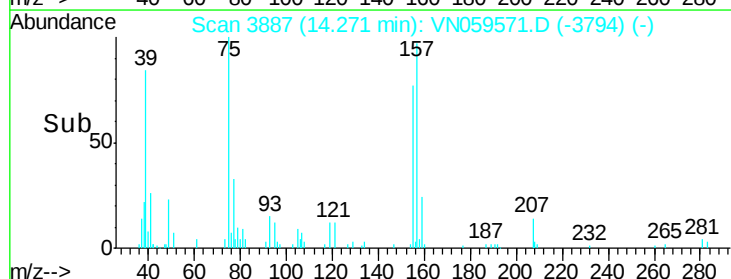
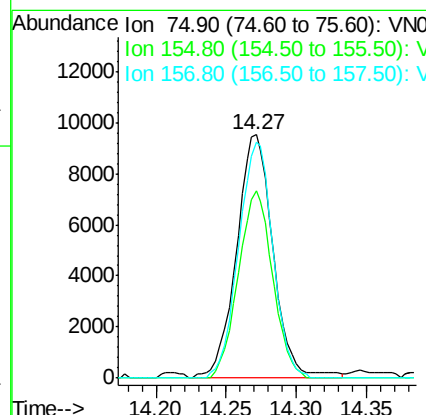
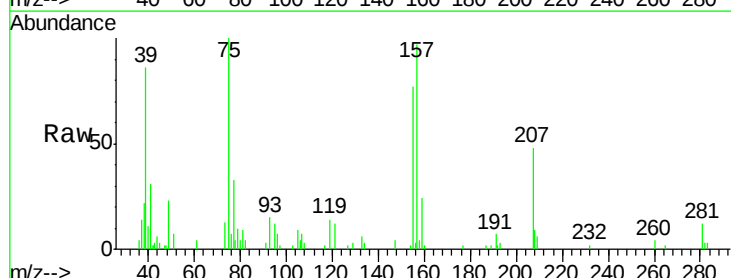
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

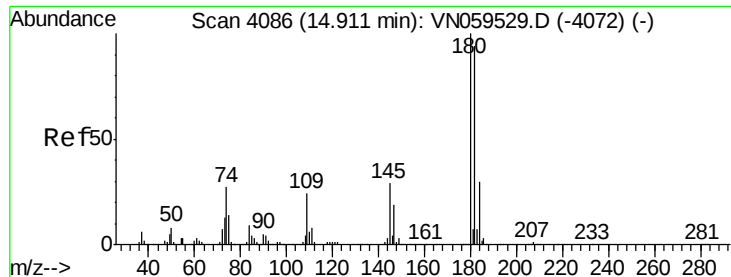
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.7
148	65.5	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.811 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	40.4	121.1
157	90.6	51.1	153.3

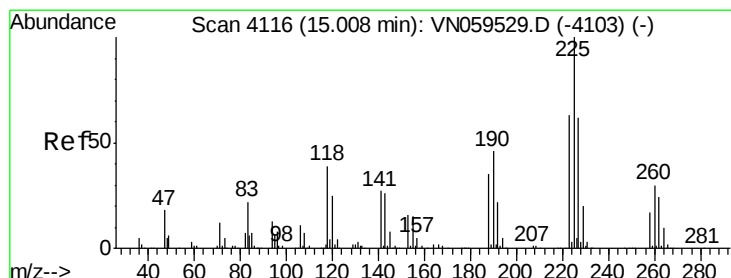
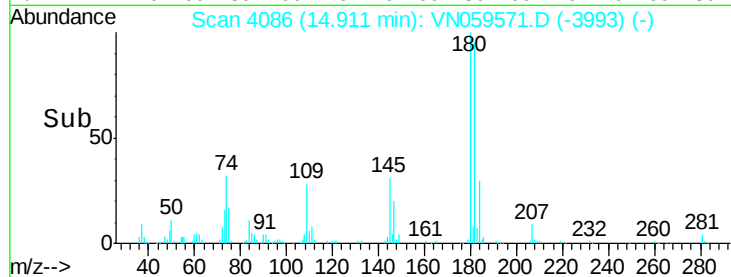
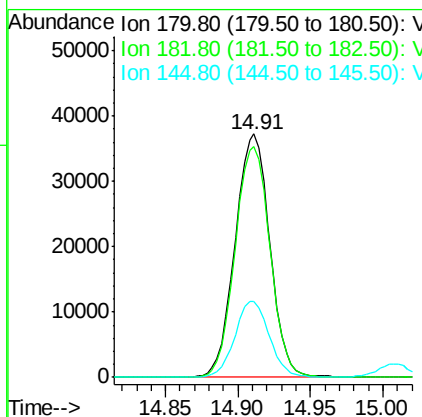
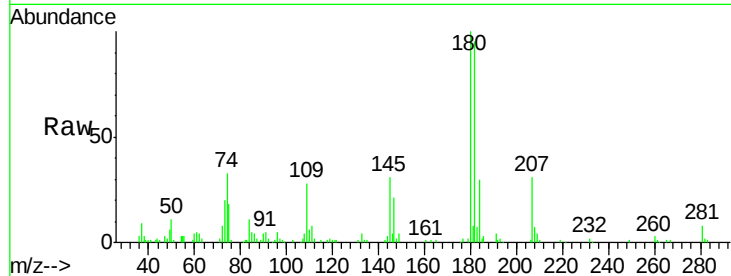




#93
 1,2,4-Trichlorobenzene
 Concen: 15.356 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

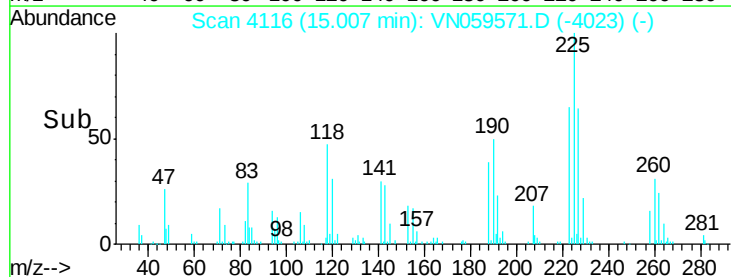
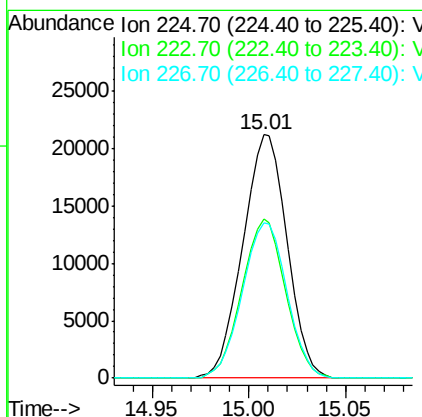
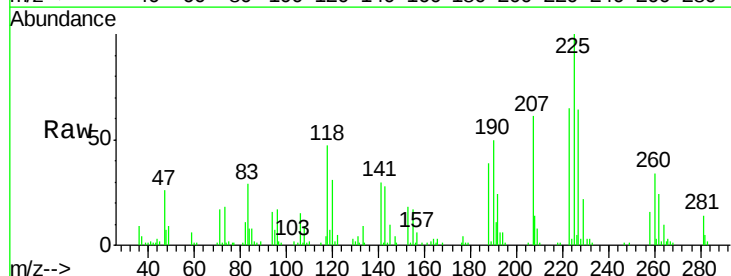
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

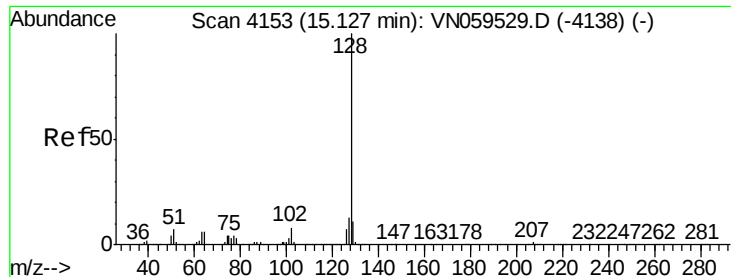
Tgt Ion:180 Resp: 61989
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 142.0
 145 30.7 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 16.361 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059571.D
 Acq: 12 Dec 2019 13:53

Tgt Ion:225 Resp: 33741
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.3 93.9
 227 64.3 31.6 95.0

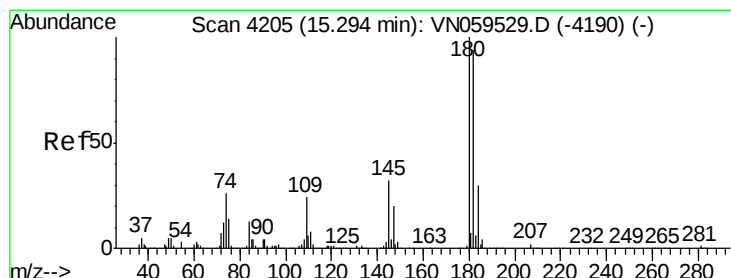
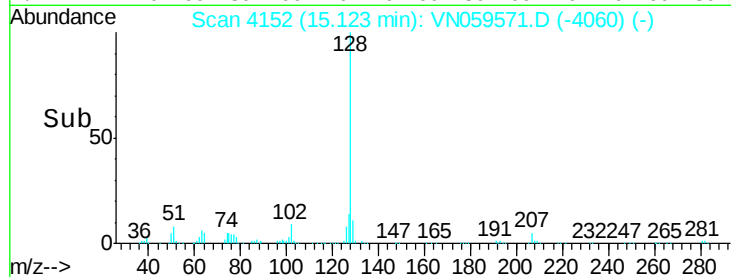
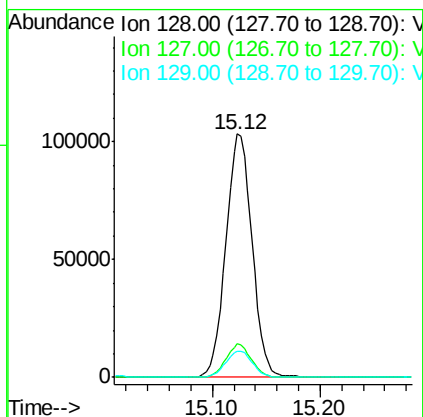
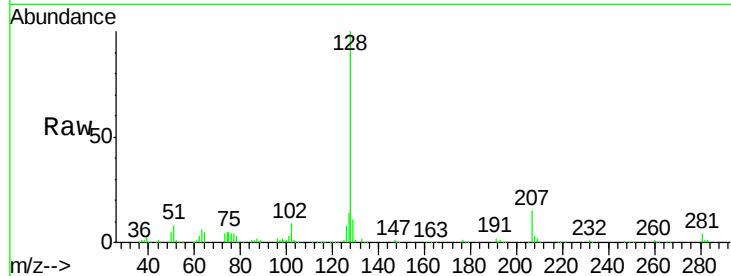




#95
Naphthalene
Concen: 14.808 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Instrument :
MSVOA_N
ClientSampled :
VN1212WBS01

Tgt Ion:128 Resp: 174734
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.587 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059571.D
Acq: 12 Dec 2019 13:53

Tgt Ion:180 Resp: 62695
Ion Ratio Lower Upper
180 100
182 93.7 47.1 141.4
145 32.7 15.8 47.4

