

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
 Data File : VN059667.D
 Acq On : 19 Dec 2019 13:23
 Operator : JC/SP
 Sample : VN1219WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Quant Time: Dec 20 01:51:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	236667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	381657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	349279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	166284	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	114779	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.08	98	460169	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	161227	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65530	21.428	ug/l	98
3) Chloromethane	2.04	50	71516	14.736	ug/l	99
4) Vinyl Chloride	2.17	62	89755	19.503	ug/l	97
5) Bromomethane	2.55	94	53178	19.876	ug/l	100
6) Chloroethane	2.68	64	53846	20.818	ug/l	93
7) Trichlorofluoromethane	3.00	101	82512	16.341	ug/l	98
8) Diethyl Ether	3.38	74	31039	19.673	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48258	18.964	ug/l	99
10) Methyl Iodide	3.92	142	61203	18.168	ug/l	99
11) Tert butyl alcohol	4.74	59	58978	93.413	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45498	18.329	ug/l	94
13) Acrolein	3.58	56	25765	57.288	ug/l	97
14) Allyl chloride	4.29	41	93771	18.401	ug/l	100
15) Acrylonitrile	4.95	53	148950	97.531	ug/l	99
16) Acetone	3.79	43	154857	75.738	ug/l	99
17) Carbon Disulfide	4.02	76	142440	17.263	ug/l	99
18) Methyl Acetate	4.29	43	81331	18.983	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	168115	19.181	ug/l	98
20) Methylene Chloride	4.52	84	57607	19.508	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51466	18.598	ug/l	98
22) Diisopropyl ether	5.92	45	189035	20.122	ug/l	98
23) Vinyl Acetate	5.86	43	782863	106.185	ug/l	99
24) 1,1-Dichloroethane	5.82	63	105571	19.838	ug/l	98
25) 2-Butanone	6.80	43	218196	89.242	ug/l	99
26) 2,2-Dichloropropane	6.79	77	93405	19.312	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	60474	19.721	ug/l	99
28) Bromochloromethane	7.17	49	46839	21.218	ug/l	97
29) Tetrahydrofuran	7.18	42	142181	95.443	ug/l	99
30) Chloroform	7.35	83	103019	19.666	ug/l	97
31) Cyclohexane	7.63	56	96054	19.102	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	89488	18.949	ug/l	98
36) 1,1-Dichloropropene	7.77	75	77267	19.413	ug/l	100
37) Ethyl Acetate	6.90	43	91693	19.821	ug/l	98
38) Carbon Tetrachloride	7.75	117	79199	19.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	87197	19.314	ug/l	99
40) Benzene	8.02	78	226535	19.476	ug/l	99
41) Methacrylonitrile	7.18	41	131980	69.131	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	88720	19.917	ug/l	99
43) Isopropyl Acetate	8.14	43	140636	19.554	ug/l	99
44) Trichloroethene	8.82	130	58744	19.281	ug/l	99
45) 1,2-Dichloropropane	9.10	63	63170	20.112	ug/l	100
46) Dibromomethane	9.19	93	40521	19.692	ug/l	98
47) Bromodichloromethane	9.39	83	80313	19.576	ug/l	100
48) Methyl methacrylate	9.18	41	61125	18.732	ug/l	99
49) 1,4-Dioxane	9.18	88	19264	411.962	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	439261	102.437	ug/l	99
52) Toluene	10.14	92	138910	19.437	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	91995	19.388	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	97388	19.526	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	55303	19.720	ug/l	99
56) Ethyl methacrylate	10.42	69	79778	19.162	ug/l	99
57) 1,3-Dichloropropane	10.70	76	97607	19.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	151918	114.734	ug/l	100
59) 2-Hexanone	10.74	43	322861	95.532	ug/l	99
60) Dibromochloromethane	10.89	129	59772	19.528	ug/l	99
61) 1,2-Dibromoethane	11.00	107	55891	18.792	ug/l	99
64) Tetrachloroethene	10.62	164	58616	18.003	ug/l	98
65) Chlorobenzene	11.43	112	146185	19.343	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	55085	19.189	ug/l	98
67) Ethyl Benzene	11.50	91	264761	19.408	ug/l	99
68) m/p-Xylenes	11.62	106	192513	38.216	ug/l	99
69) o-Xylene	11.94	106	93459	19.498	ug/l	100
70) Styrene	11.96	104	144082	18.709	ug/l	99
71) Bromoform	12.12	173	48900	22.662	ug/l #	100
73) Isopropylbenzene	12.25	105	248903	19.781	ug/l	100
74) N-amyl acetate	12.07	43	126477	21.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78781	19.737	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	116501	29.359	ug/l #	100
77) Bromobenzene	12.52	156	59449	19.211	ug/l	99
78) n-propylbenzene	12.59	91	296444	19.930	ug/l	100
79) 2-Chlorotoluene	12.67	91	177054	19.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	210938	19.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29531	18.381	ug/l	99
82) 4-Chlorotoluene	12.77	91	180918	19.646	ug/l	99
83) tert-Butylbenzene	12.99	119	178493	19.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	212131	20.035	ug/l	99
85) sec-Butylbenzene	13.17	105	238553	19.887	ug/l	99
86) p-Isopropyltoluene	13.29	119	213671	19.667	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	106895	18.786	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	105786	18.439	ug/l	100
89) n-Butylbenzene	13.61	91	189544	18.609	ug/l	99
90) Hexachloroethane	13.87	117	39710	19.337	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	104618	18.643	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19166	18.250	ug/l	91

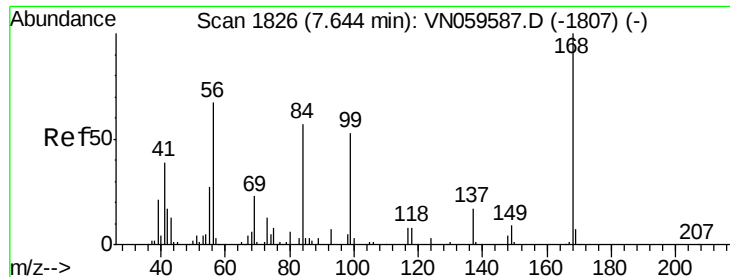
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
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QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60206	16.615	ug/l	100
94) Hexachlorobutadiene	15.01	225	37327	20.015	ug/l	98
95) Naphthalene	15.12	128	172888	15.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	59987	16.367	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

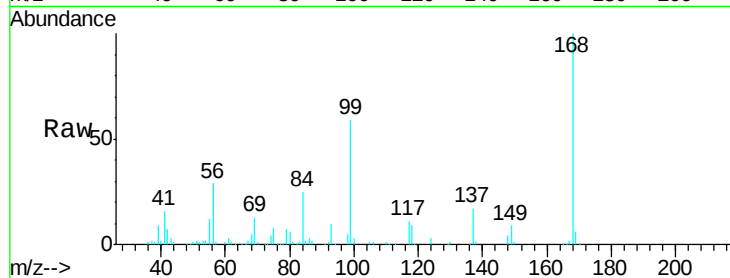
VN1219WBS01

Tgt Ion:168 Resp: 236667

Ion Ratio Lower Upper

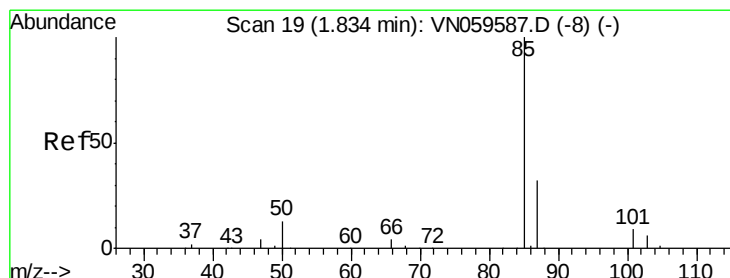
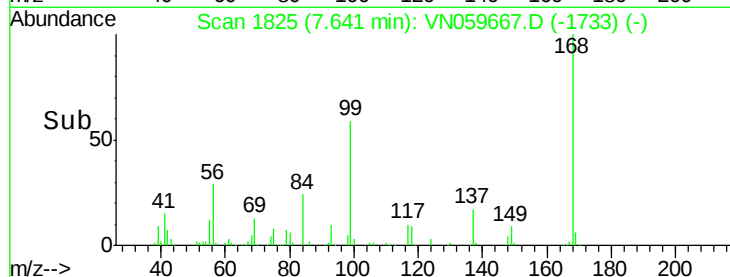
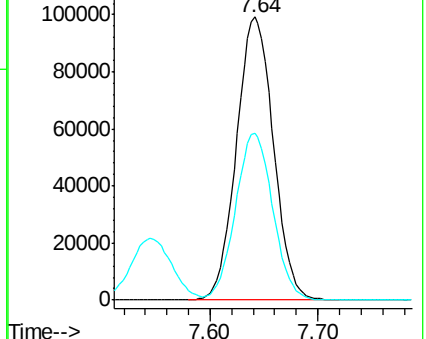
168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.428 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059667.D

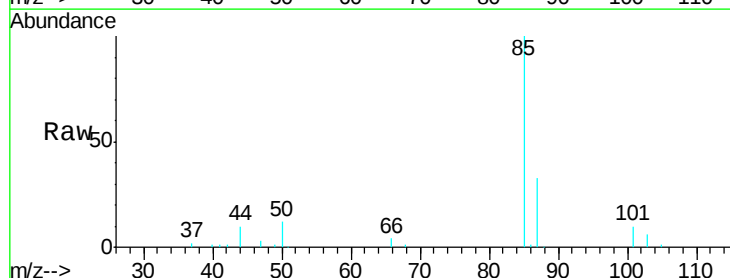
Acq: 19 Dec 2019 13:23

Tgt Ion: 85 Resp: 65530

Ion Ratio Lower Upper

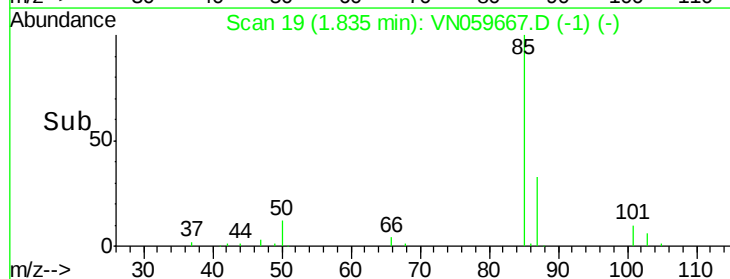
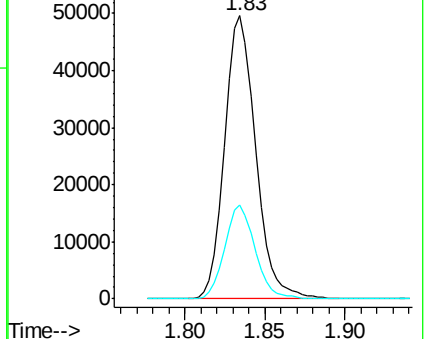
85 100

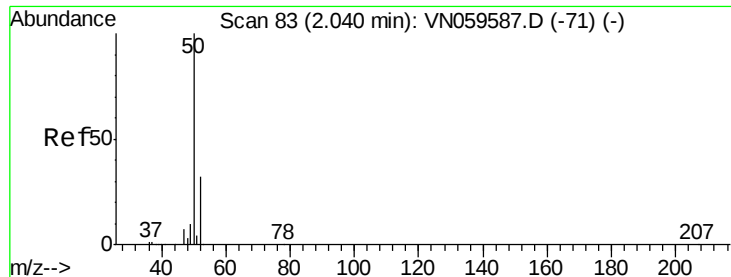
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 14.736 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

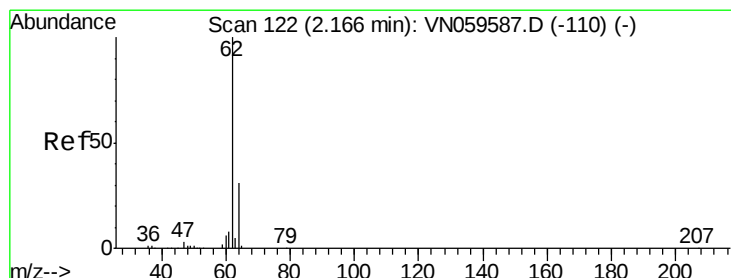
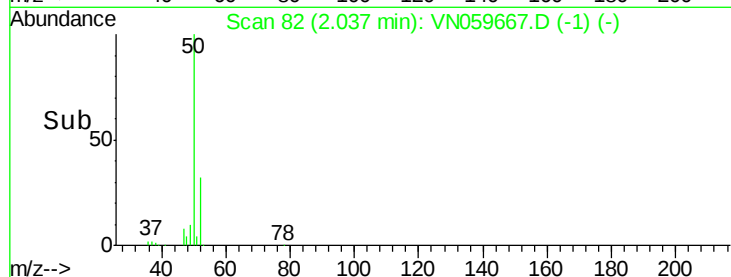
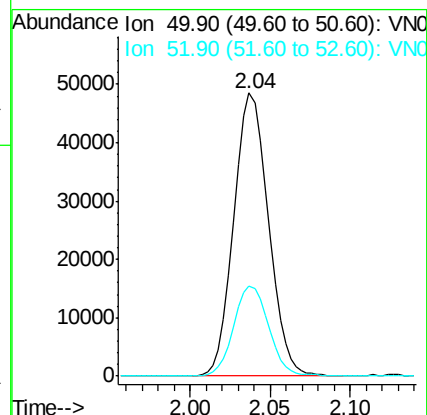
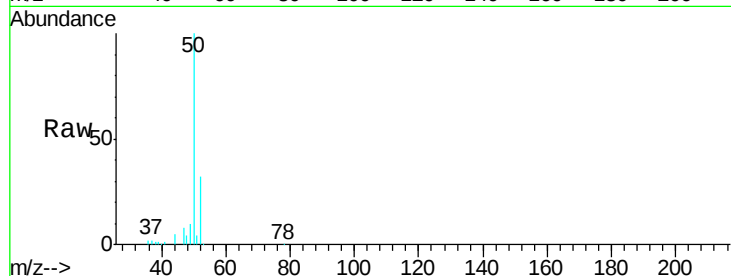
VN1219WBS01

Tgt Ion: 50 Resp: 71516

Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9



#4

Vinyl Chloride

Concen: 19.503 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059667.D

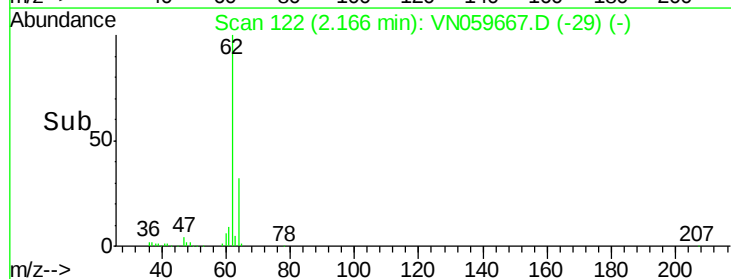
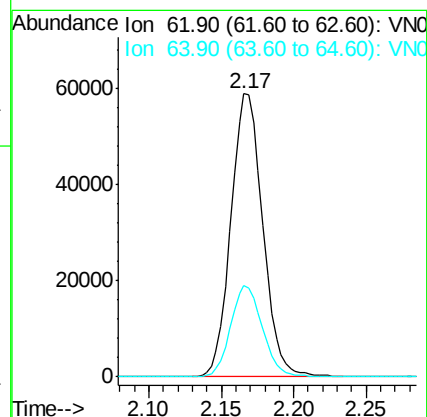
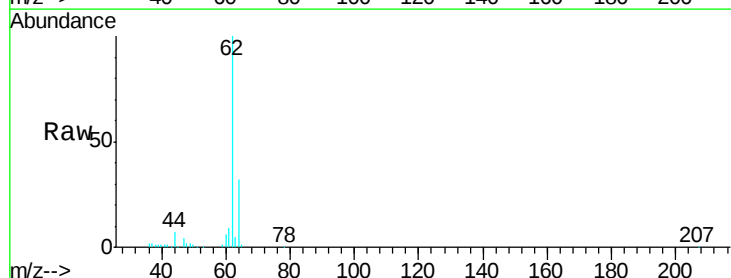
Acq: 19 Dec 2019 13:23

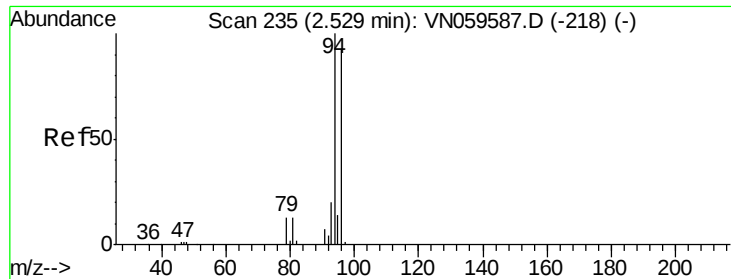
Tgt Ion: 62 Resp: 89755

Ion Ratio Lower Upper

62 100

64 32.3 24.6 37.0





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

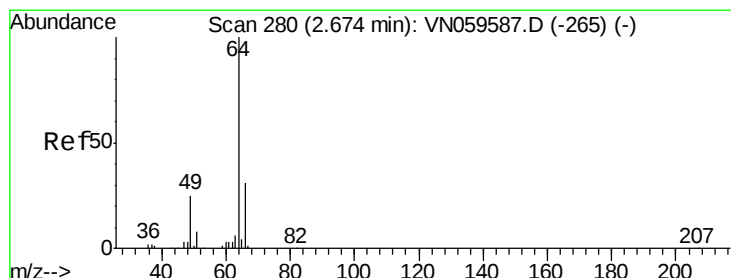
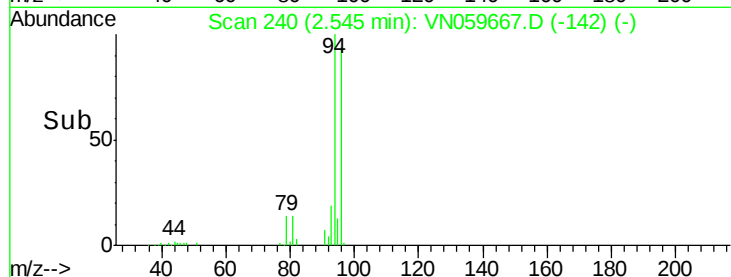
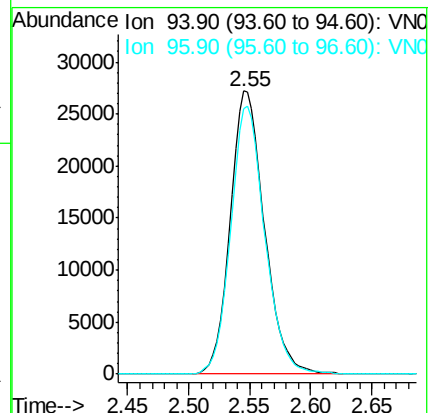
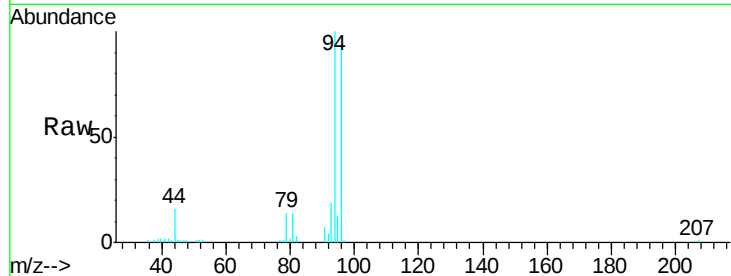
VN1219WBS01

Tgt Ion: 94 Resp: 53178

Ion Ratio Lower Upper

94 100

96 93.8 74.7 112.1



#6

Chloroethane

Concen: 20.818 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059667.D

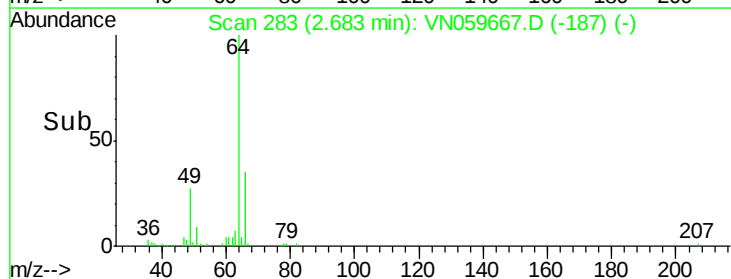
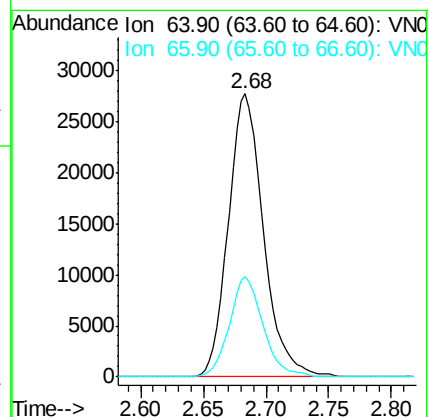
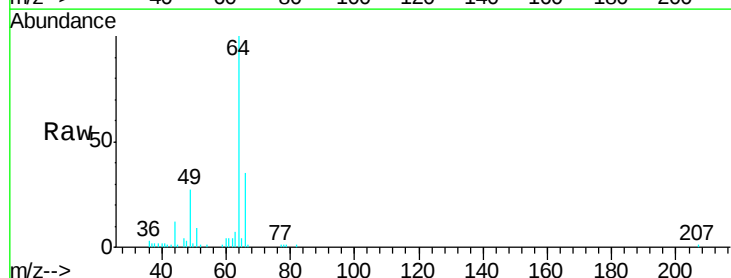
Acq: 19 Dec 2019 13:23

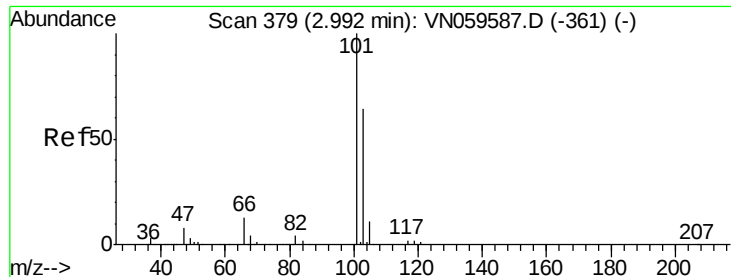
Tgt Ion: 64 Resp: 53846

Ion Ratio Lower Upper

64 100

66 35.3 25.1 37.7



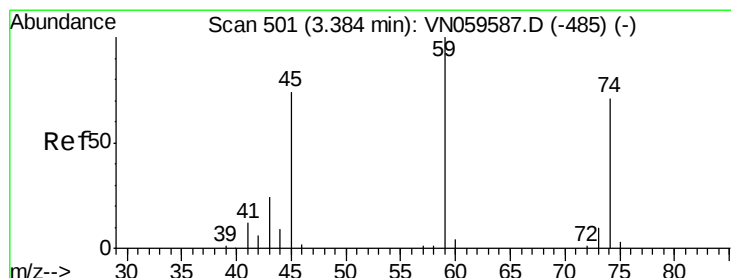
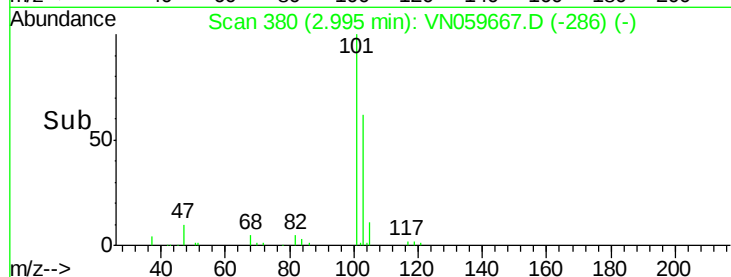
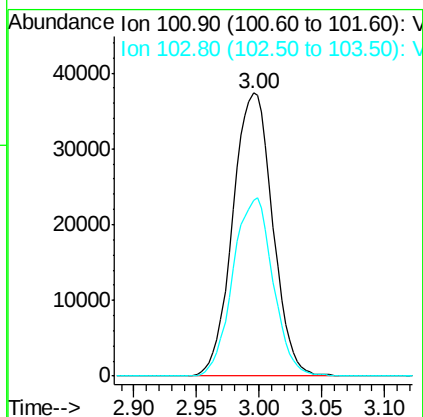
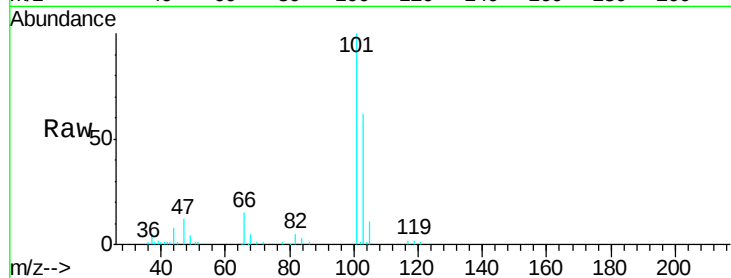


#7

Trichlorofluoromethane
Concen: 16.341 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

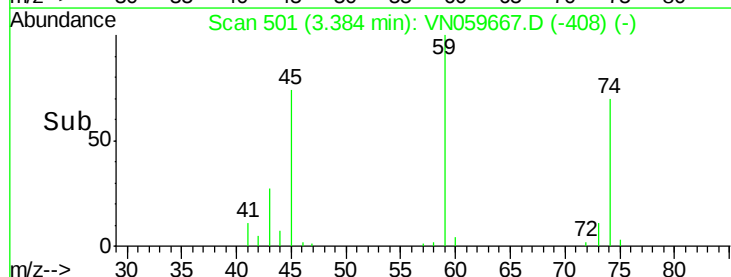
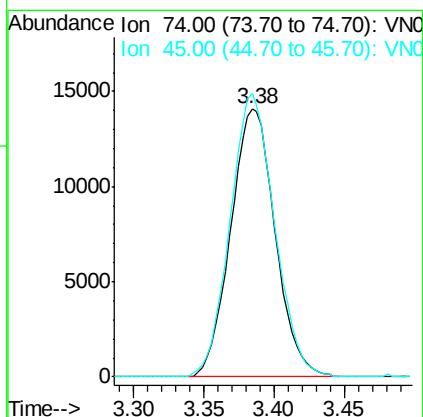
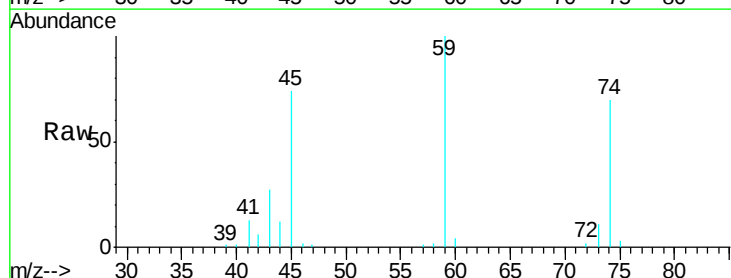
Tgt Ion:101 Resp: 82512
Ion Ratio Lower Upper
101 100
103 62.1 51.0 76.6

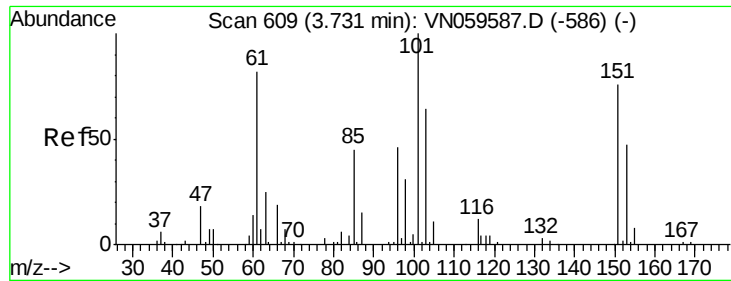


#8

Diethyl Ether
Concen: 19.673 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 74 Resp: 31039
Ion Ratio Lower Upper
74 100
45 105.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.964 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

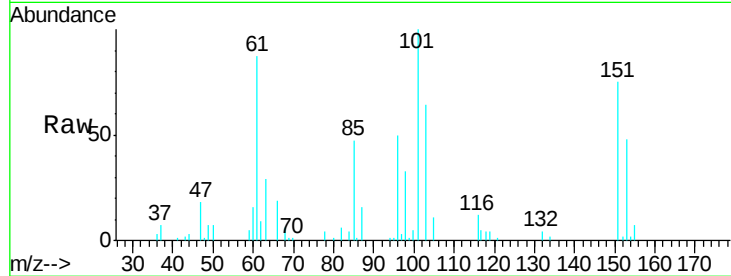
Tgt Ion:101 Resp: 48258

Ion Ratio Lower Upper

101 100

85 46.1 36.6 54.8

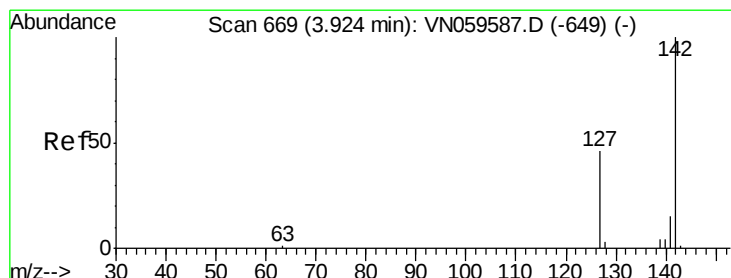
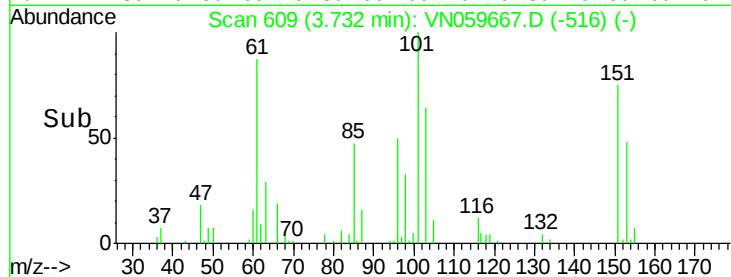
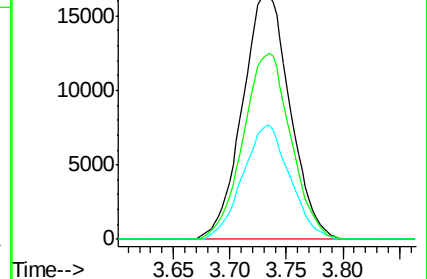
151 76.1 59.7 89.5



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: 18.168 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

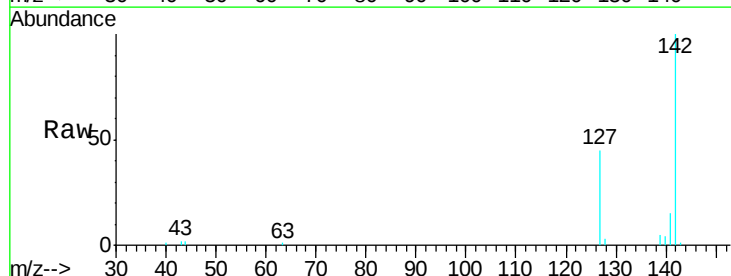
Tgt Ion:142 Resp: 61203

Ion Ratio Lower Upper

142 100

127 45.8 36.7 55.1

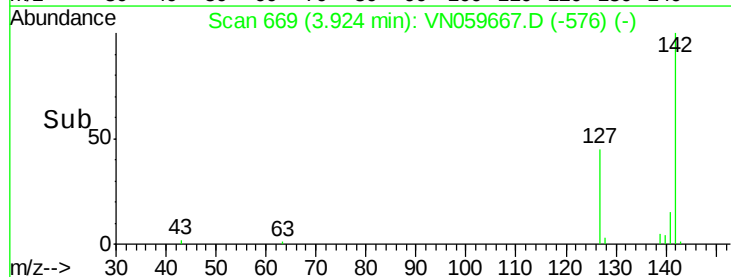
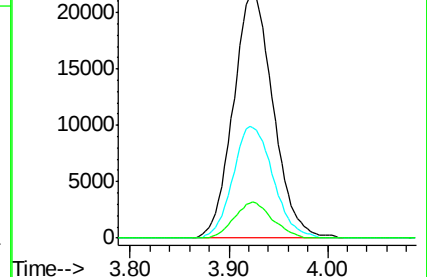
141 14.0 11.7 17.5

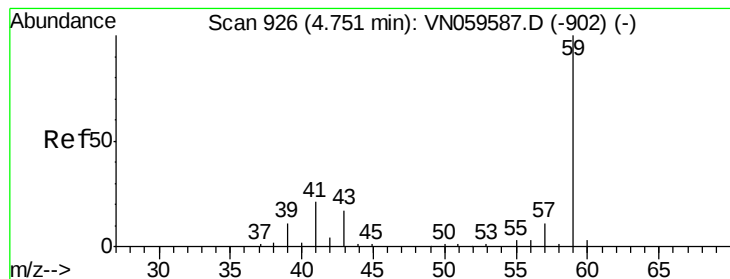


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.413 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

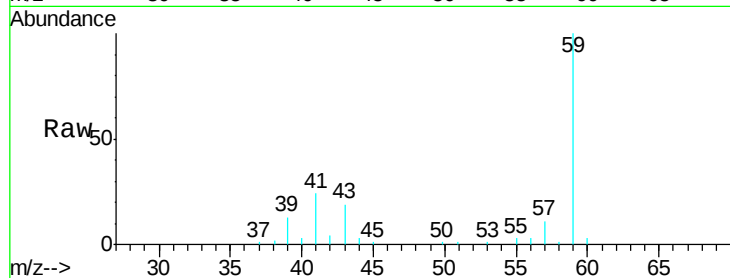
VN1219WBS01

Tgt Ion: 59 Resp: 58978

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

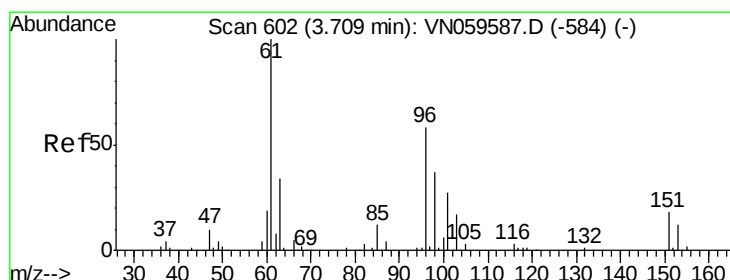
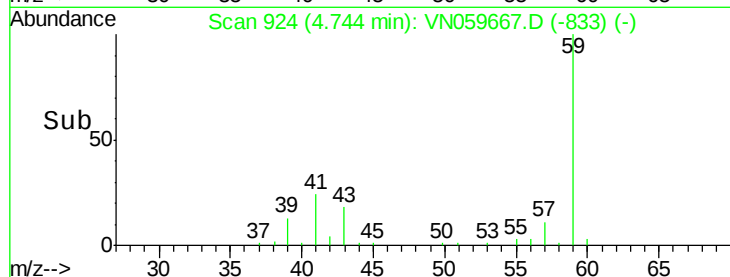
15000

10000

5000

0

Time--> 4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 18.329 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

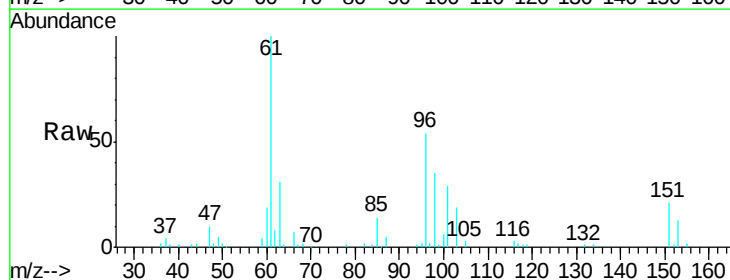
Tgt Ion: 96 Resp: 45498

Ion Ratio Lower Upper

96 100

61 182.8 137.5 206.3

98 64.7 50.2 75.4



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

3.71

40000

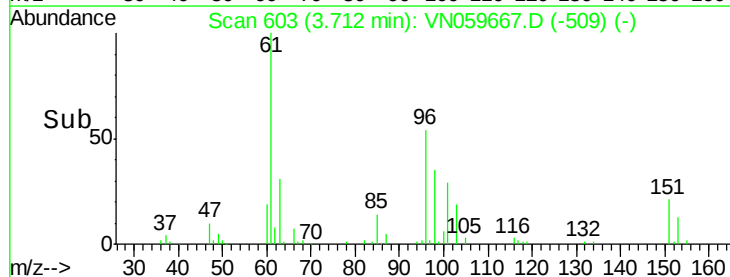
30000

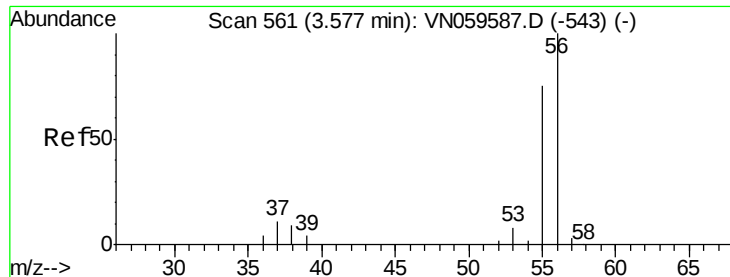
20000

10000

0

Time--> 3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 57.288 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

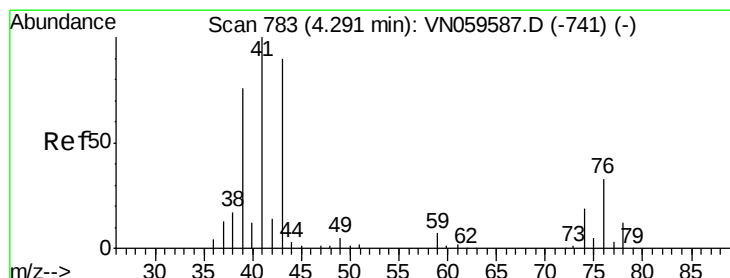
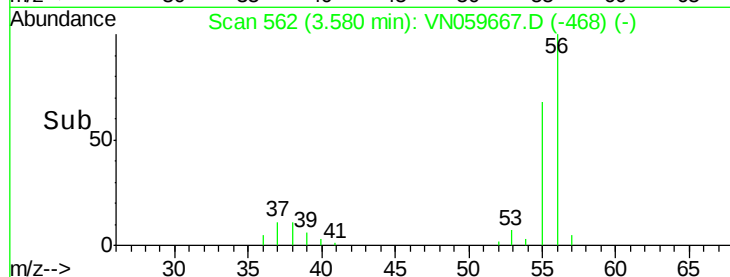
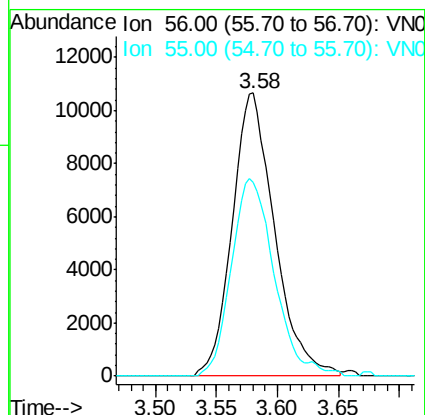
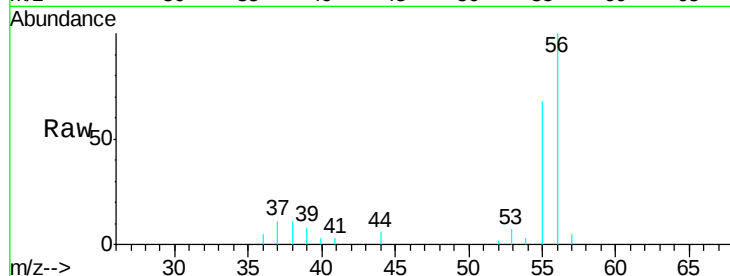
VN1219WBS01

Tgt Ion: 56 Resp: 25765

Ion Ratio Lower Upper

56 100

55 70.6 58.6 88.0



#14

Allyl chloride

Concen: 18.401 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

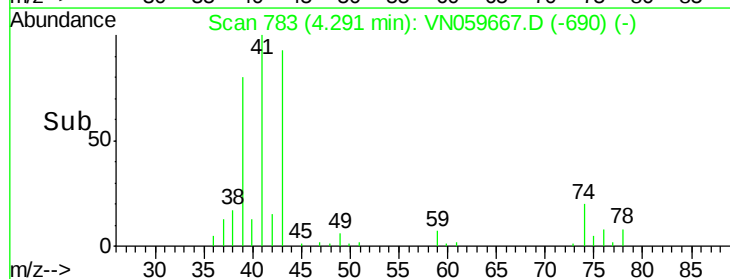
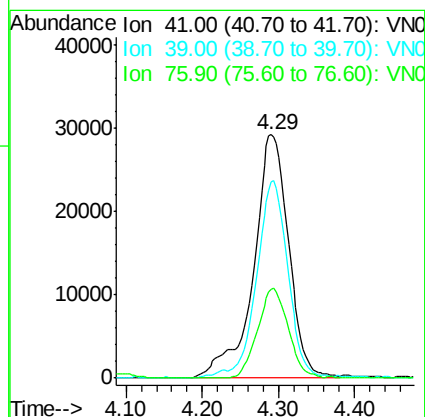
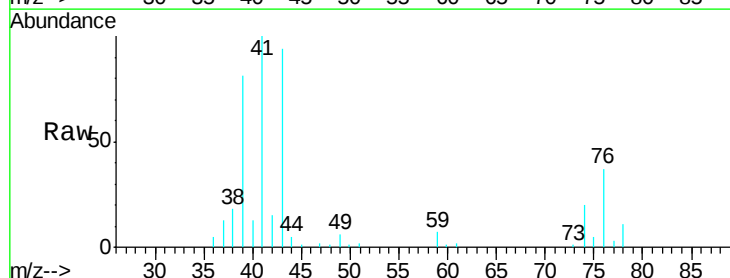
Tgt Ion: 41 Resp: 93771

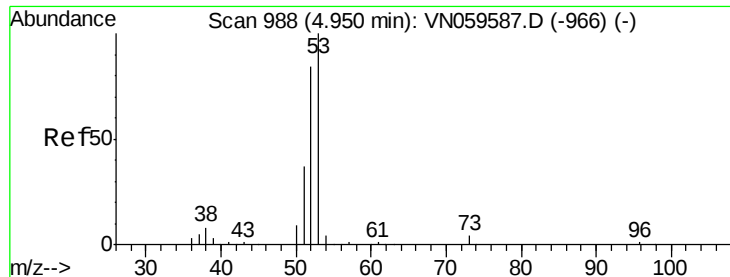
Ion Ratio Lower Upper

41 100

39 72.4 57.8 86.8

76 31.9 25.4 38.0





#15

Acrylonitrile

Concen: 97.531 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

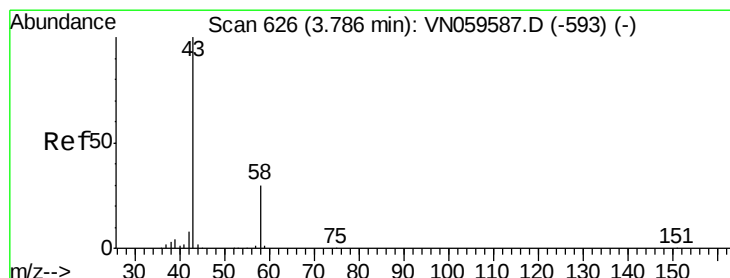
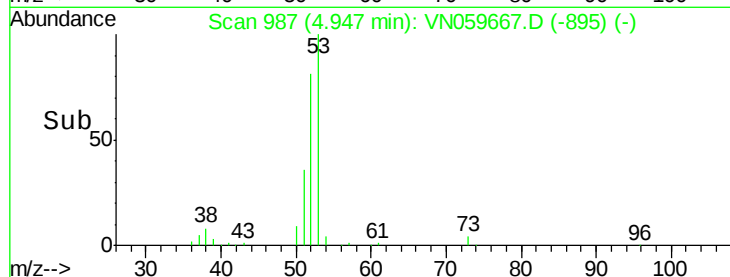
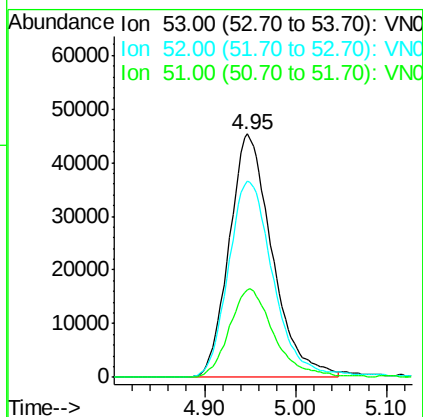
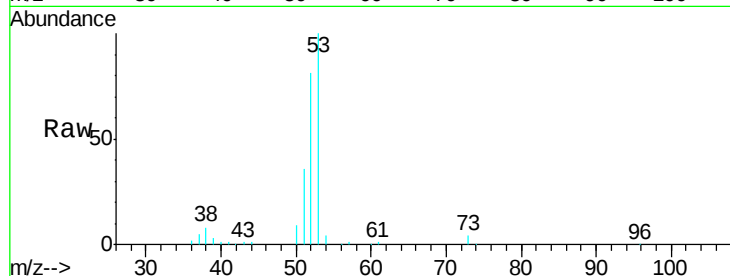
Tgt Ion: 53 Resp: 148950

Ion Ratio Lower Upper

53 100

52 84.2 66.3 99.5

51 37.4 29.7 44.5



#16

Acetone

Concen: 75.738 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059667.D

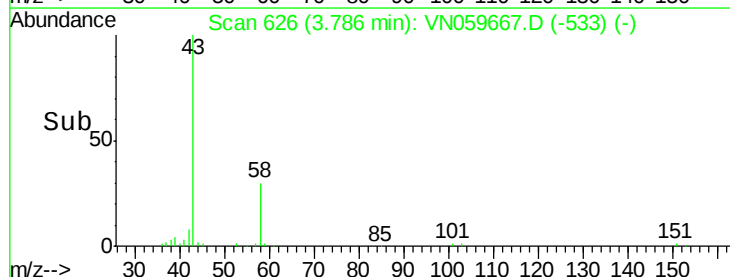
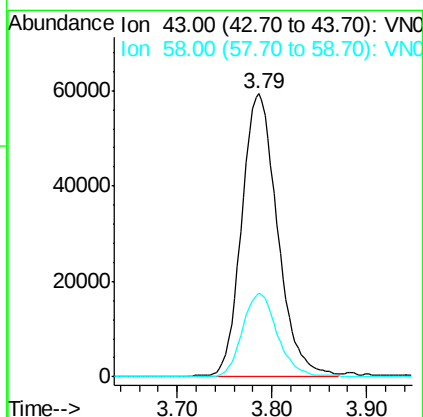
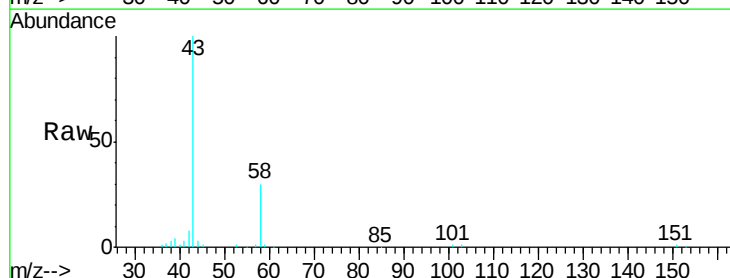
Acq: 19 Dec 2019 13:23

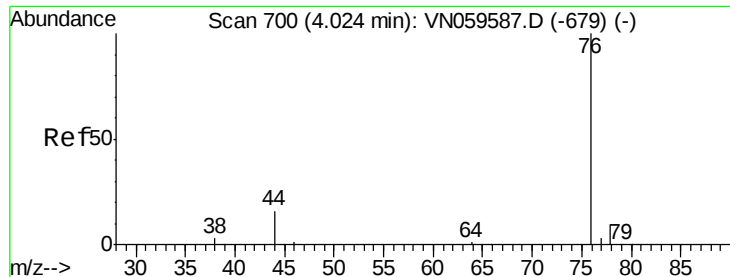
Tgt Ion: 43 Resp: 154857

Ion Ratio Lower Upper

43 100

58 29.8 23.6 35.4





#17

Carbon Disulfide

Concen: 17.263 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

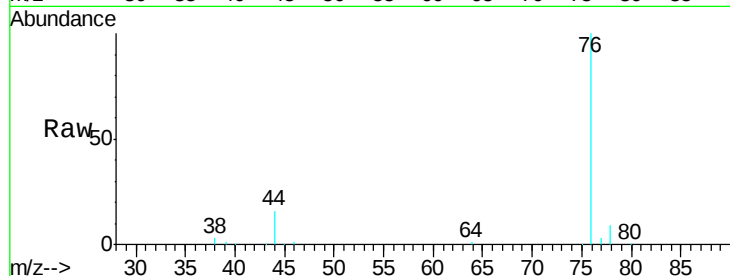
VN1219WBS01

Tgt Ion: 76 Resp: 142440

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

60000

50000

40000

30000

20000

10000

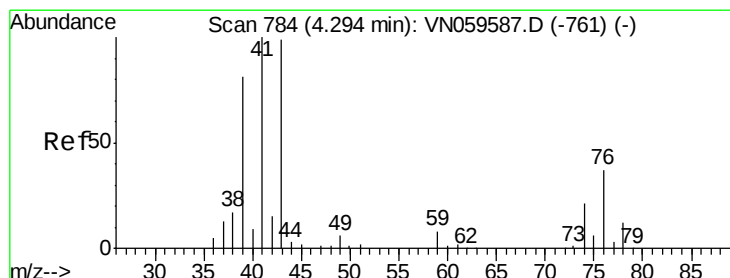
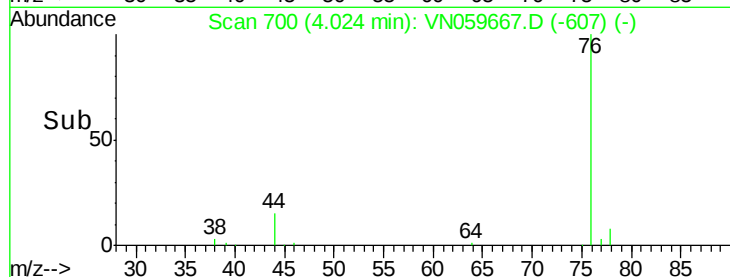
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 18.983 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059667.D

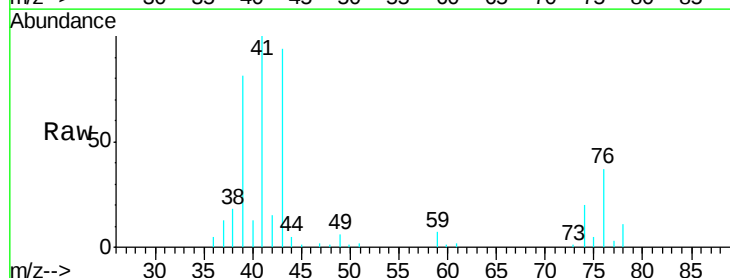
Acq: 19 Dec 2019 13:23

Tgt Ion: 43 Resp: 81331

Ion Ratio Lower Upper

43 100

74 20.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

30000

25000

20000

15000

10000

5000

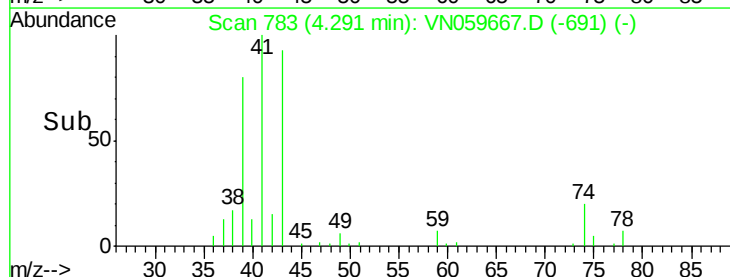
0

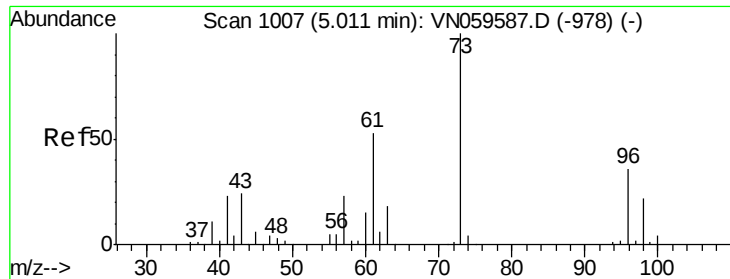
Time-->

4.20

4.30

4.40

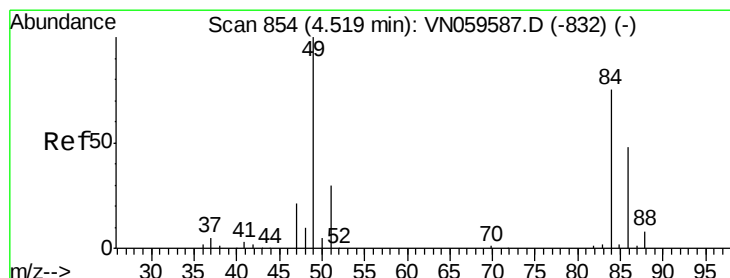
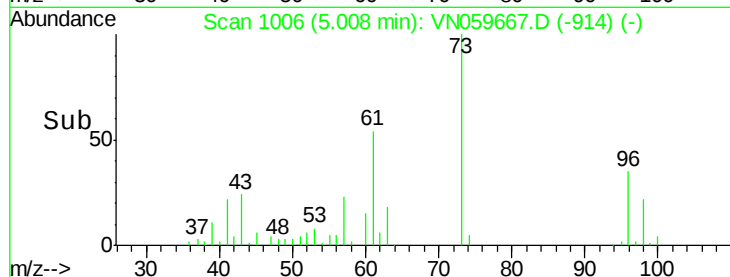
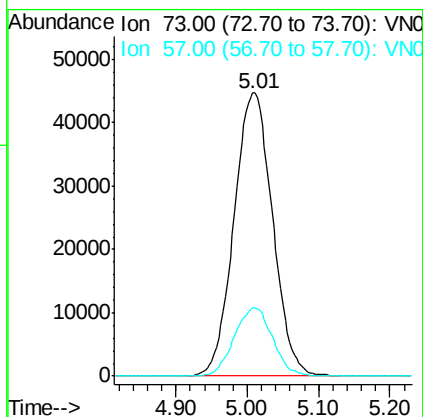
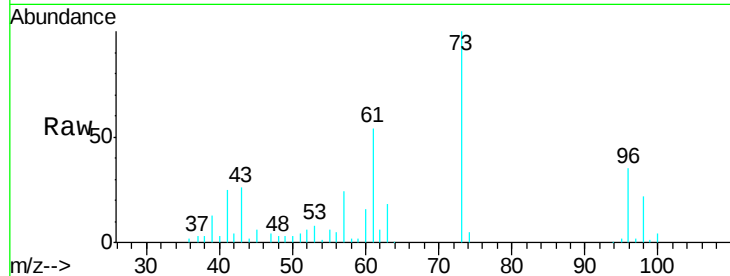




#19
Methyl tert-butyl Ether
Concen: 19.181 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

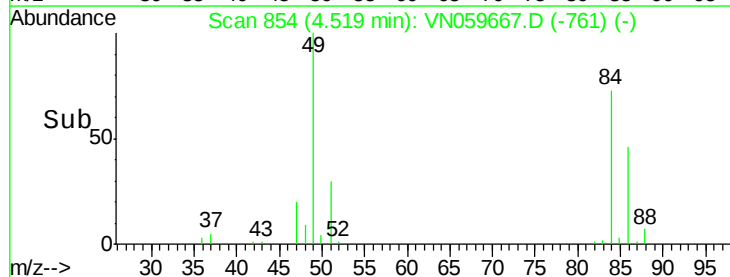
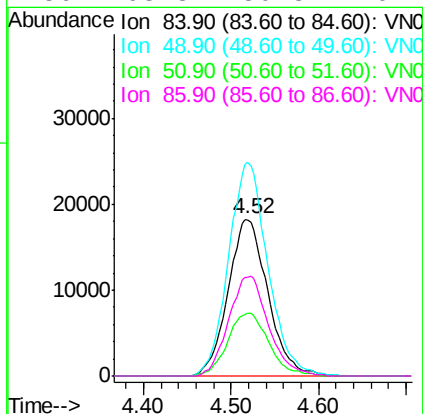
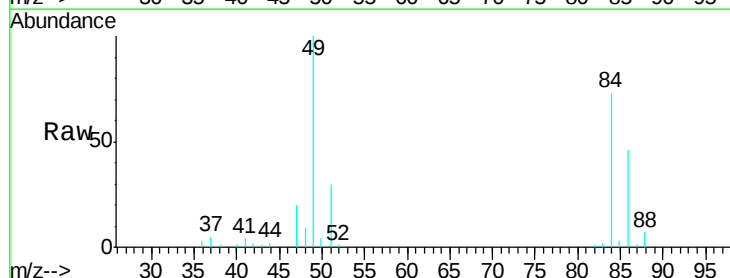
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

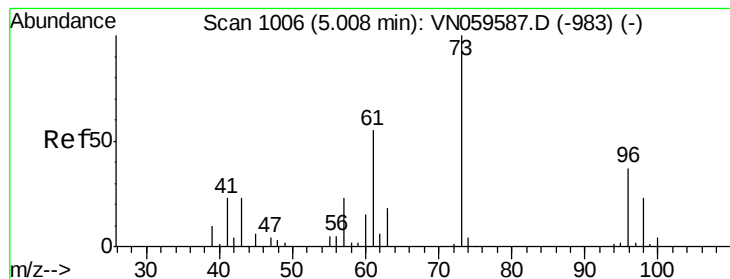
Tgt Ion: 73 Resp: 168115
Ion Ratio Lower Upper
73 100
57 24.0 18.6 27.8



#20
Methylene Chloride
Concen: 19.508 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 84 Resp: 57607
Ion Ratio Lower Upper
84 100
49 136.6 106.6 160.0
51 40.5 31.9 47.9
86 63.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.598 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

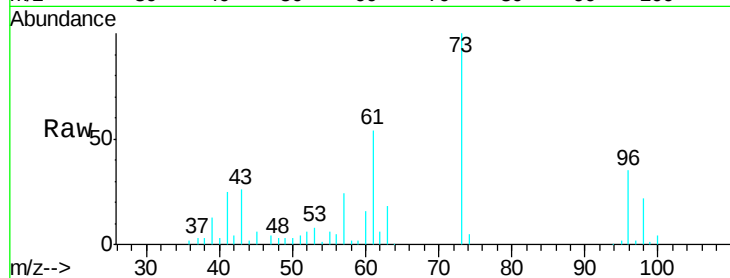
Tgt Ion: 96 Resp: 51466

Ion Ratio Lower Upper

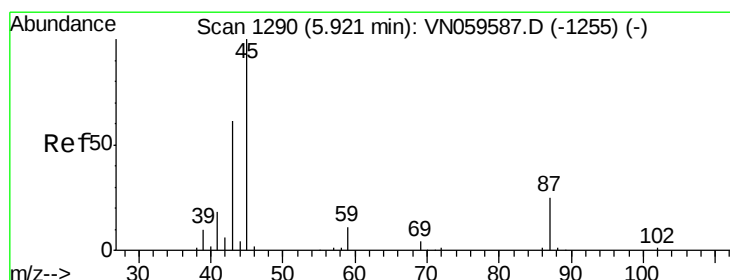
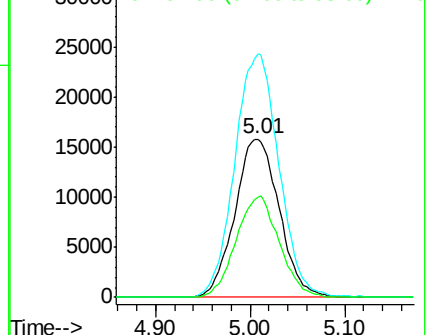
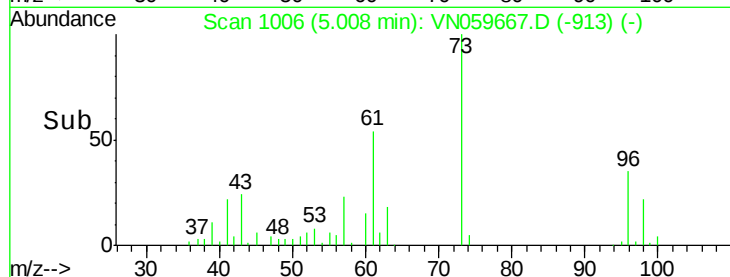
96 100

61 153.9 120.4 180.6

98 63.1 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN059667.D (-913) (-)



#22

Diisopropyl ether

Concen: 20.122 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion: 45 Resp: 189035

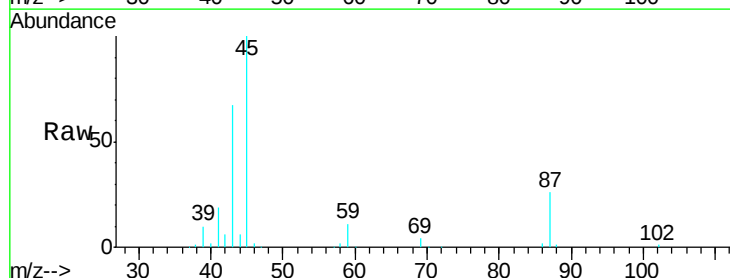
Ion Ratio Lower Upper

45 100

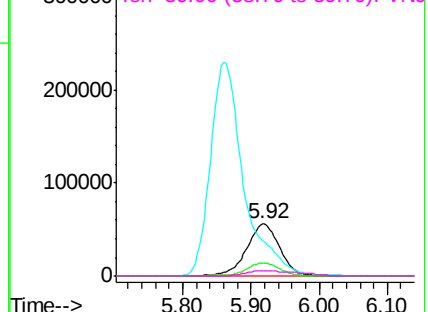
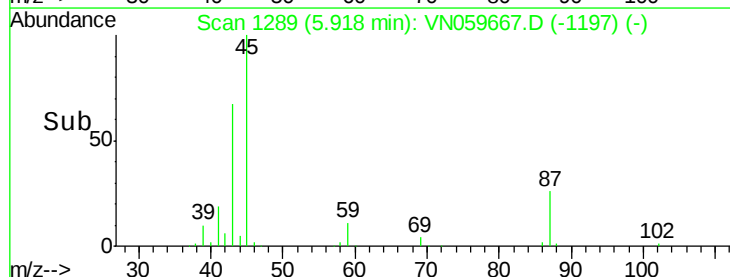
43 65.7 50.8 76.2

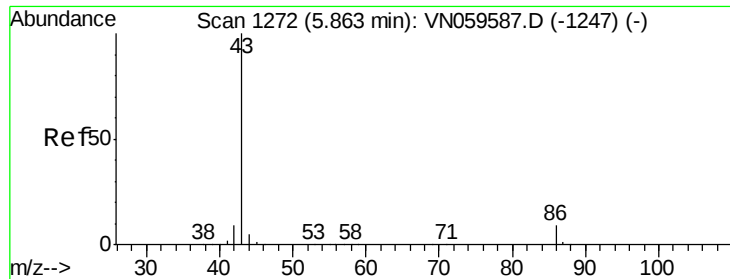
87 25.6 21.0 31.6

59 10.8 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN059667.D (-1197) (-)

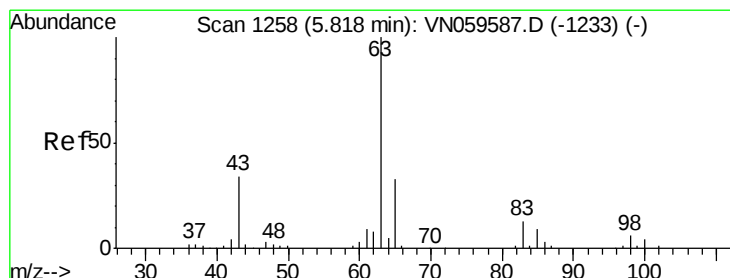
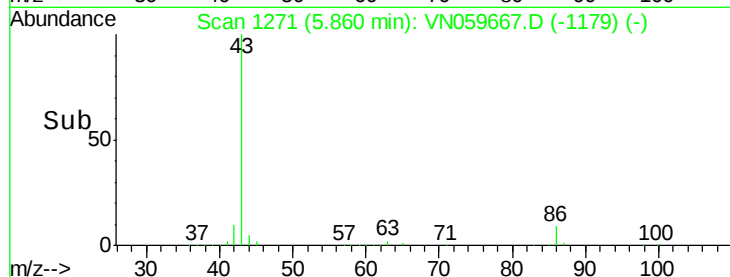
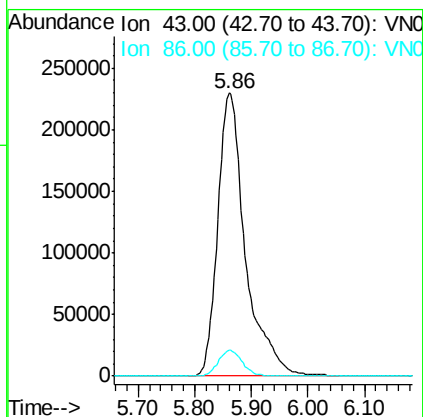
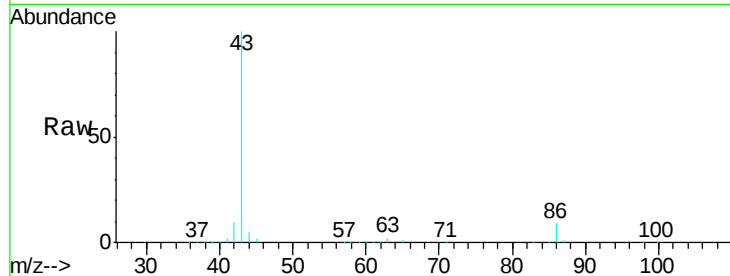




#23
 Vinyl Acetate
 Concen: 106.185 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

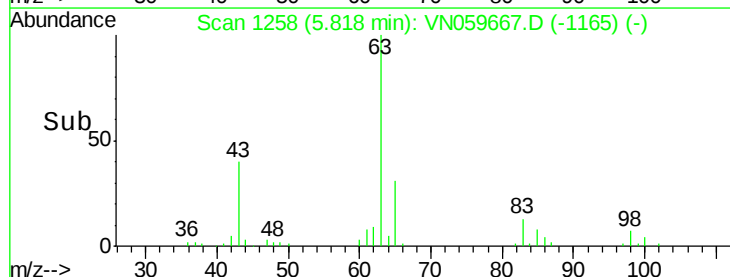
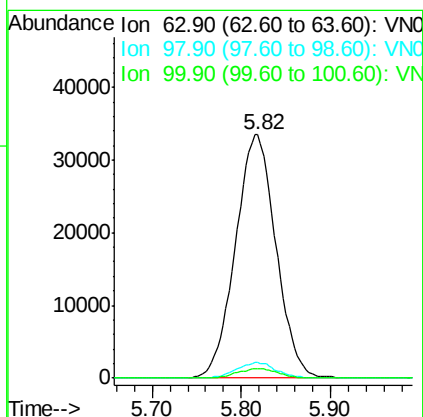
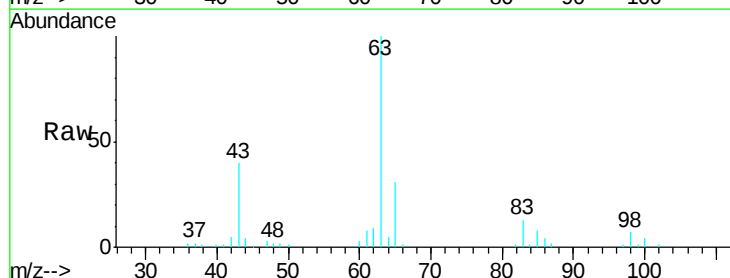
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBS01

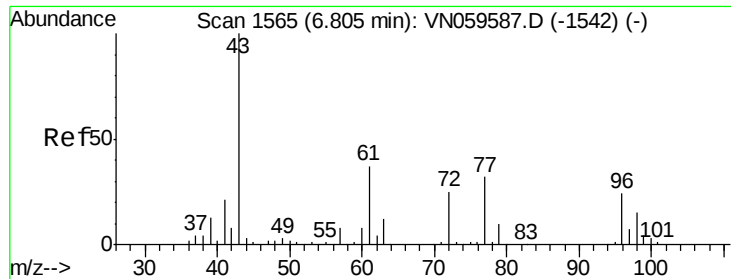
Tgt Ion: 43 Resp: 782863
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 19.838 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 63 Resp: 105571
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.7
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 89.242 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

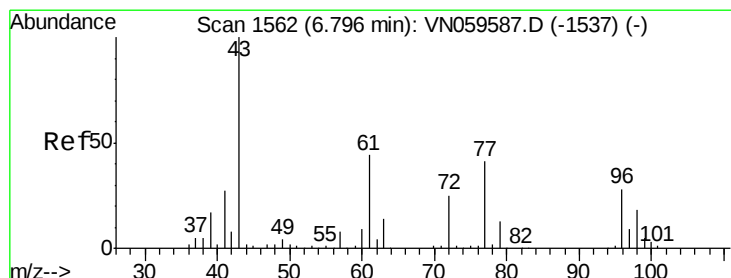
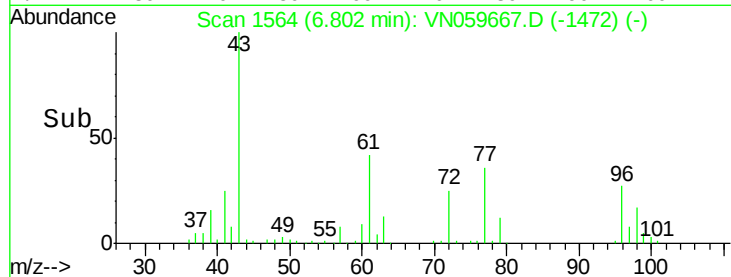
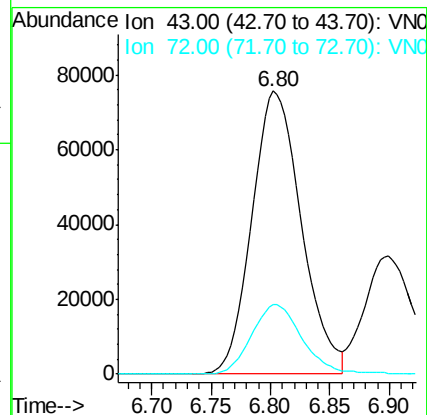
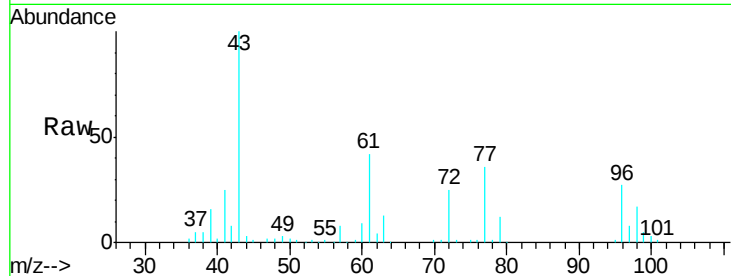
VN1219WBS01

Tgt Ion: 43 Resp: 218196

Ion Ratio Lower Upper

43 100

72 24.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.312 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059667.D

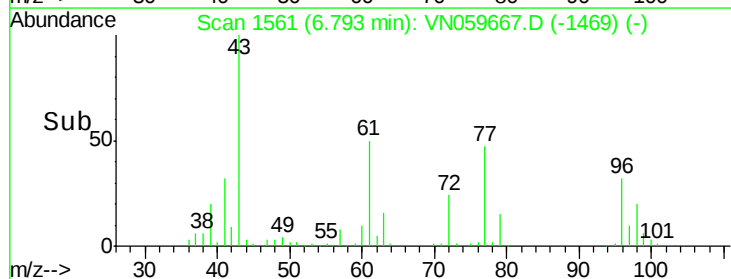
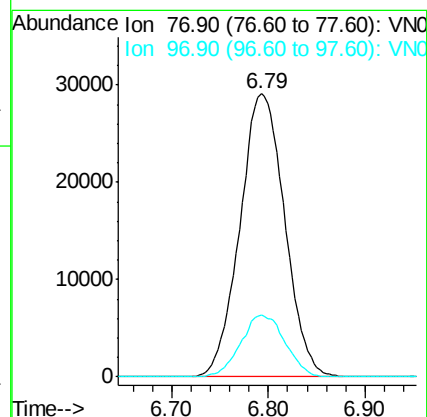
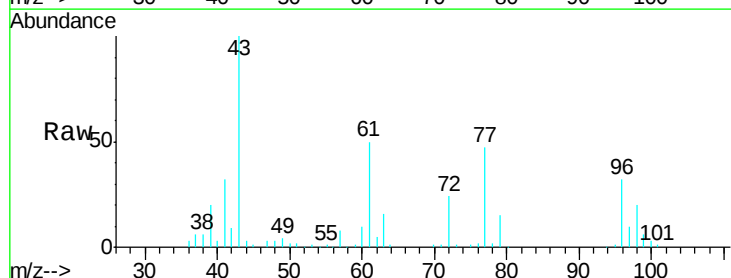
Acq: 19 Dec 2019 13:23

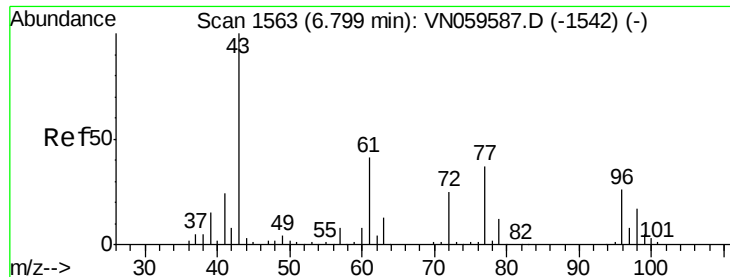
Tgt Ion: 77 Resp: 93405

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9

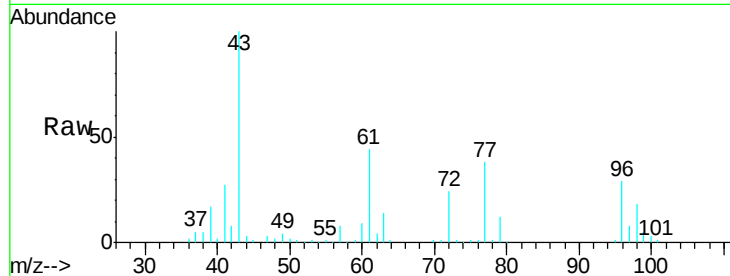




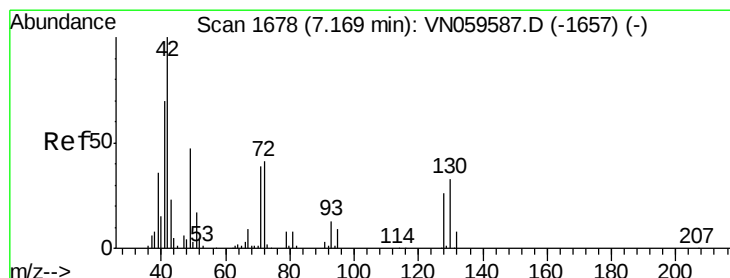
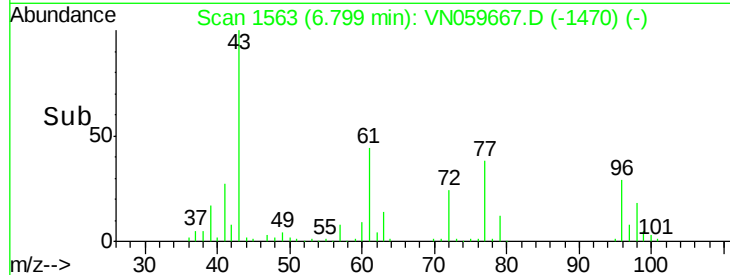
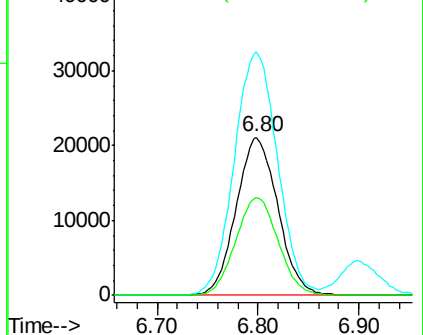
#27
 cis-1,2-Dichloroethene
 Concen: 19.721 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tgt Ion: 96 Resp: 60474
 Ion Ratio Lower Upper
 96 100
 61 160.0 0.0 317.6
 98 63.1 0.0 127.0

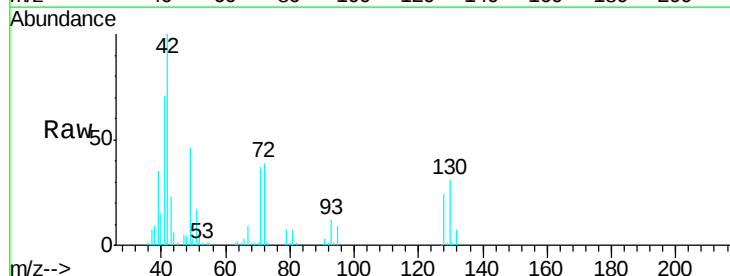


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

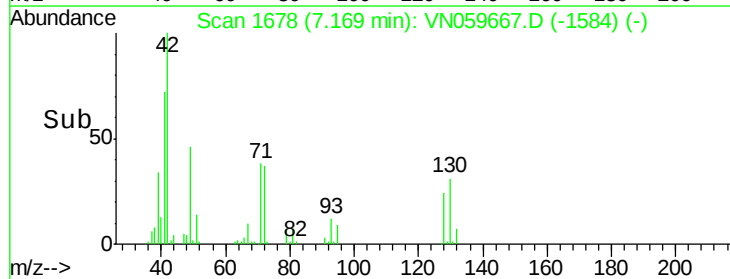
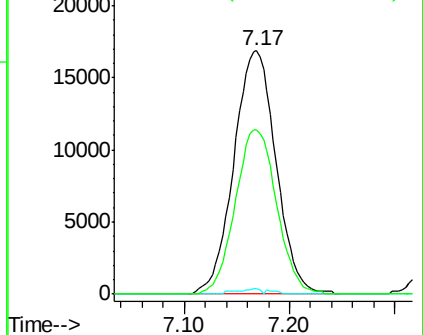


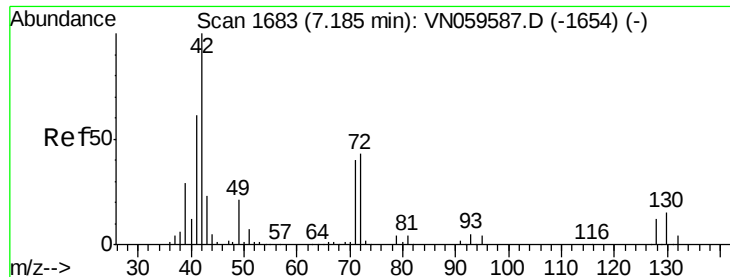
#28
 Bromochloromethane
 Concen: 21.218 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 49 Resp: 46839
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.4
 130 66.3 54.7 82.1



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: 95.443 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

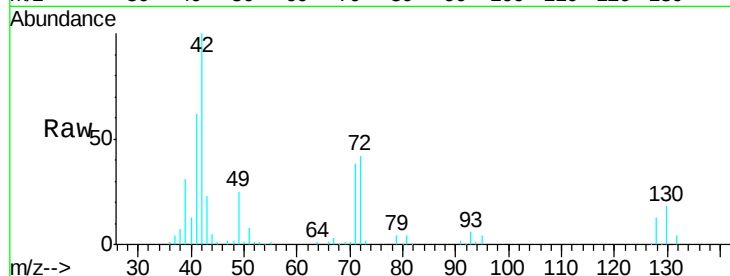
Tgt Ion: 42 Resp: 142181

Ion Ratio Lower Upper

42 100

72 40.6 33.1 49.7

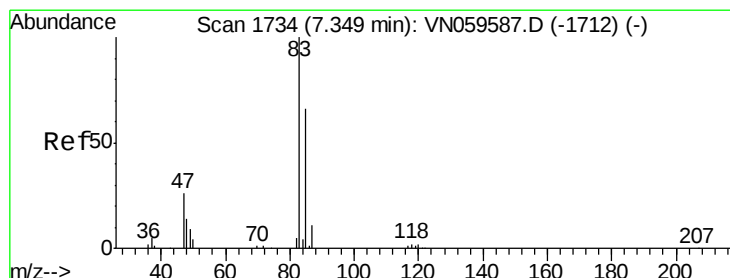
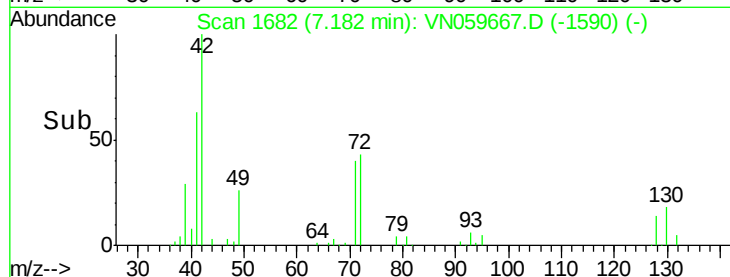
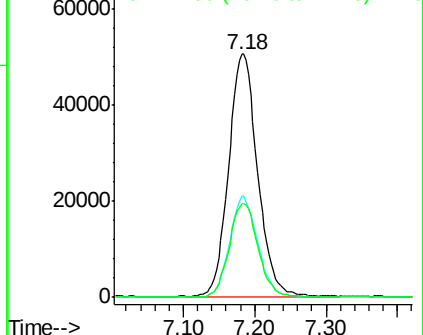
71 38.6 31.4 47.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.666 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059667.D

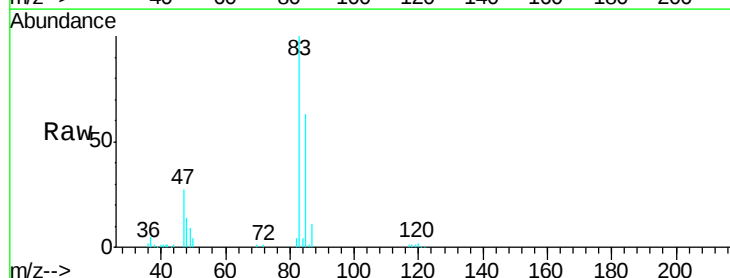
Acq: 19 Dec 2019 13:23

Tgt Ion: 83 Resp: 103019

Ion Ratio Lower Upper

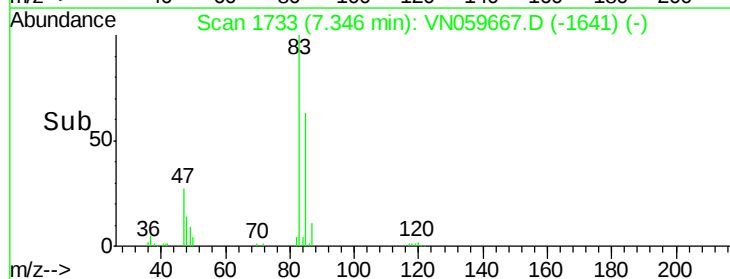
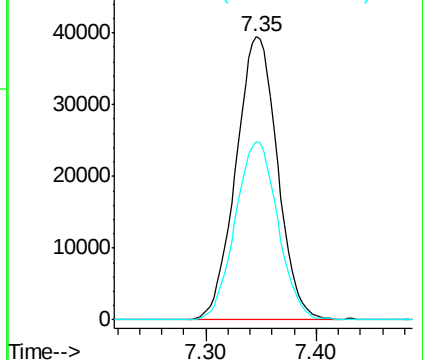
83 100

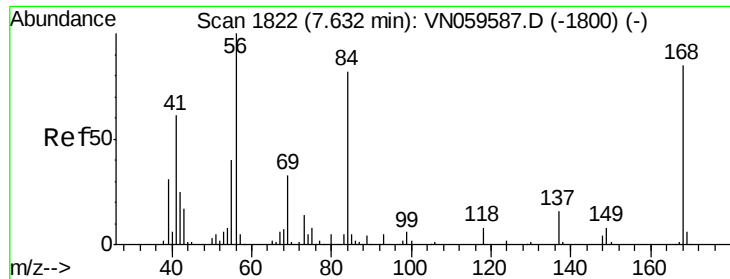
85 63.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

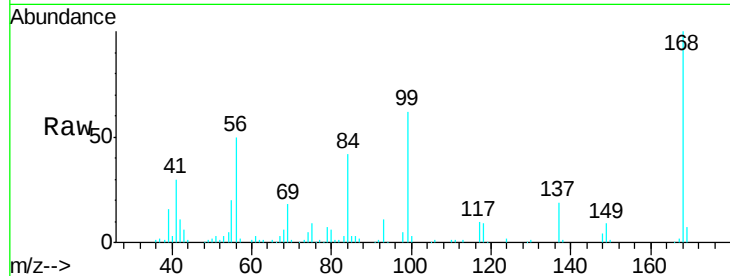




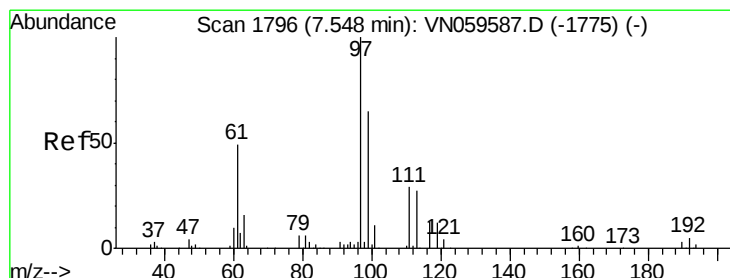
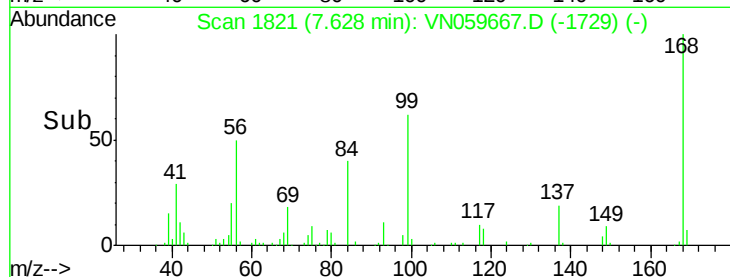
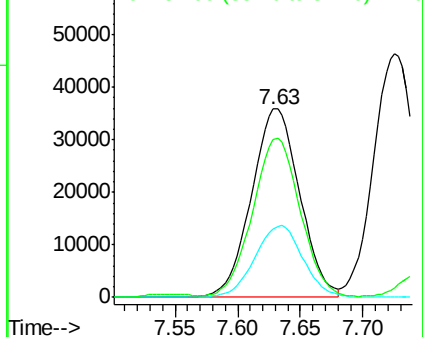
#31
Cyclohexane
Concen: 19.102 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tgt Ion: 56 Resp: 96054
Ion Ratio Lower Upper
56 100
69 36.2 26.5 39.7
84 82.3 65.3 97.9

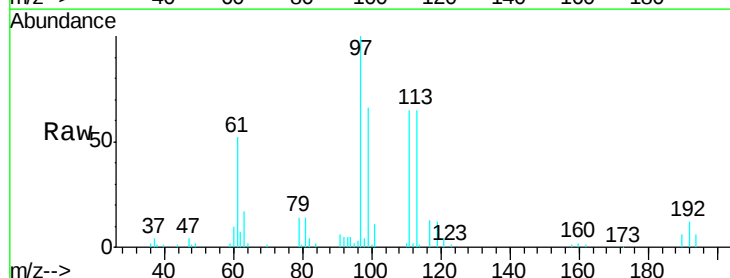


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

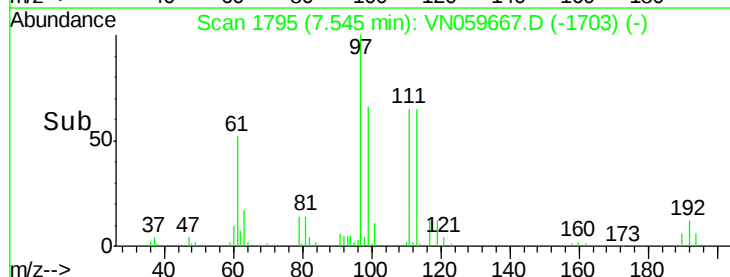
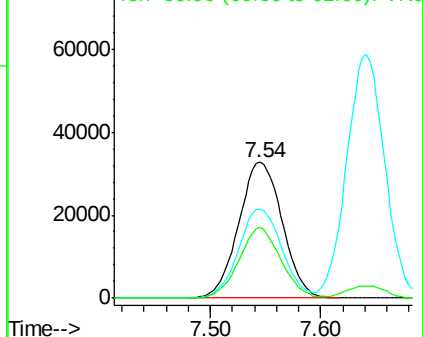


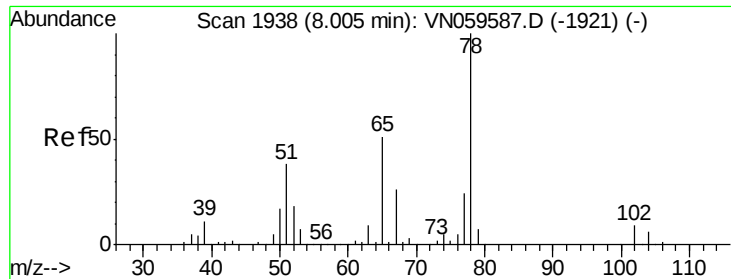
#32
1,1,1-Trichloroethane
Concen: 18.949 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 97 Resp: 89488
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.4
61 49.8 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

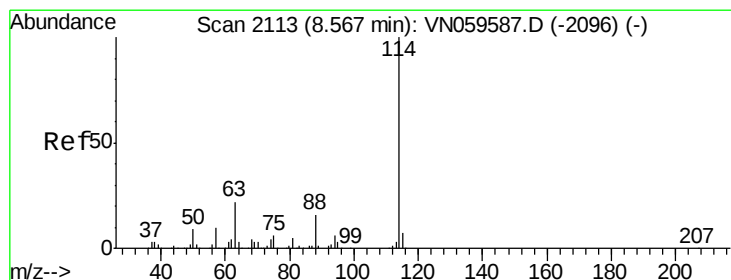
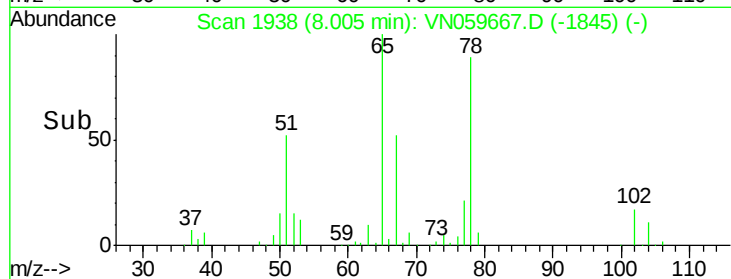
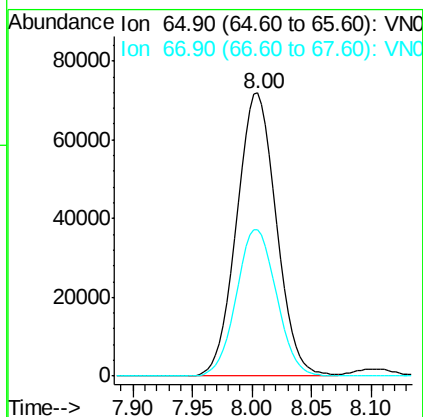
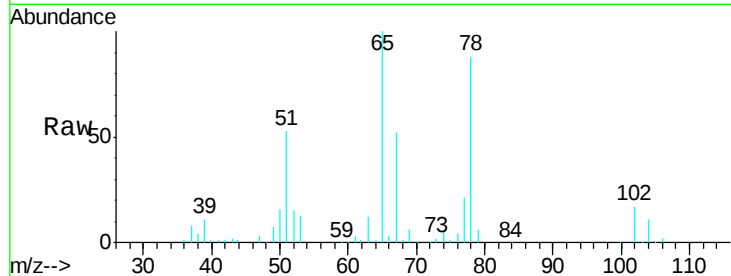




#33
 1,2-Dichloroethane-d4
 Concen: 48.284 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

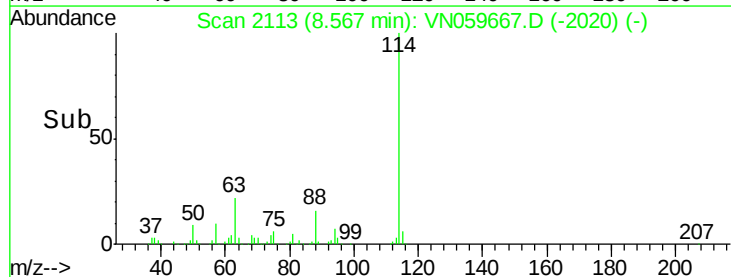
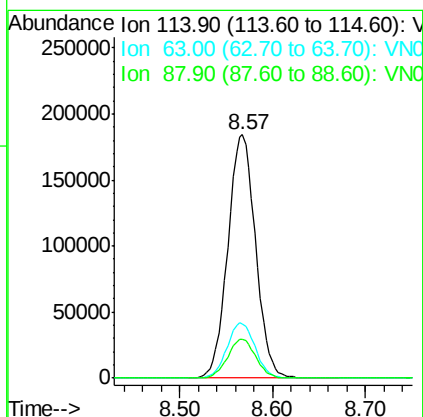
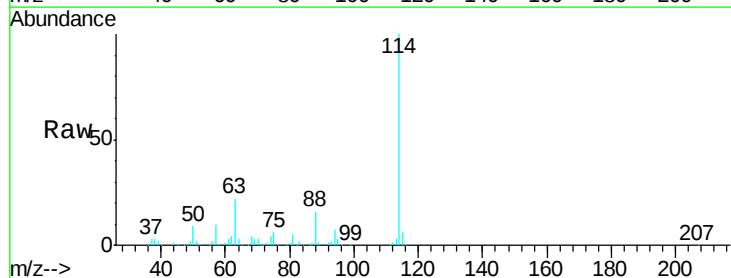
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

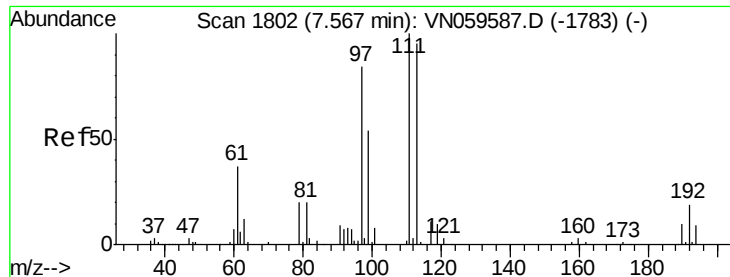
Tgt Ion: 65 Resp: 166284
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 114 Resp: 381657
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.6
 88 16.1 0.0 31.4

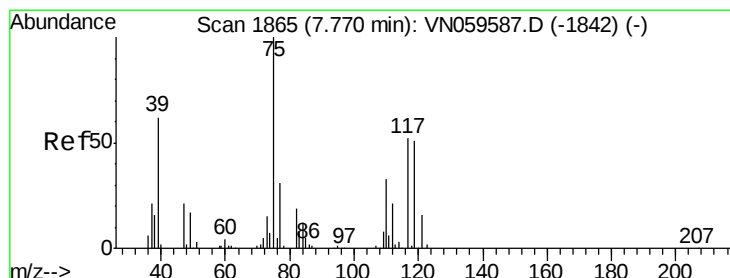
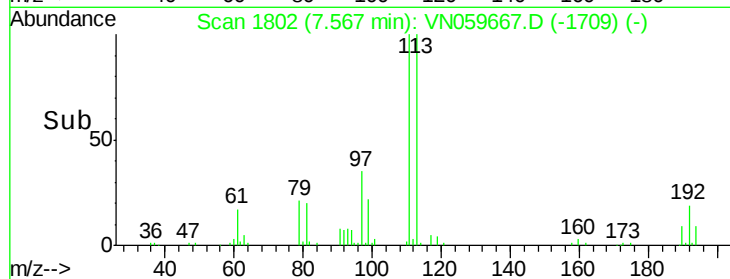
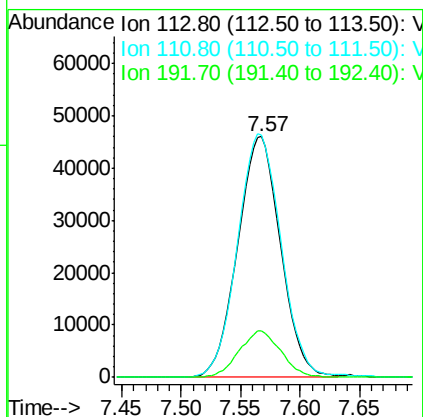
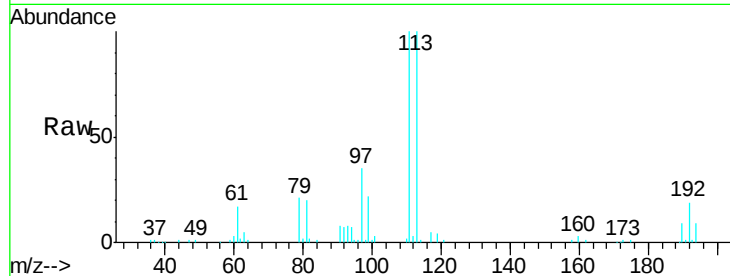




#35
 Dibromofluoromethane
 Concen: 48.065 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

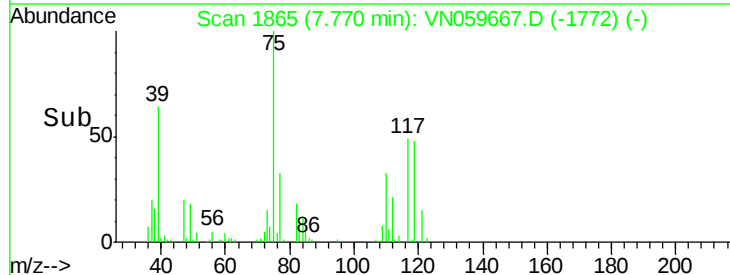
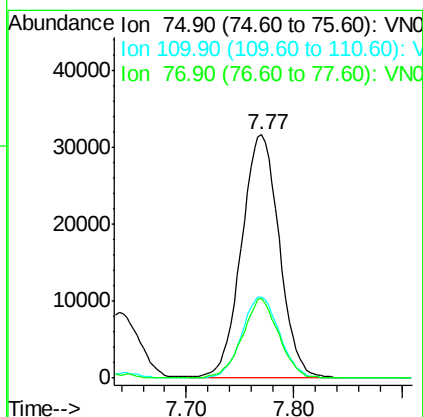
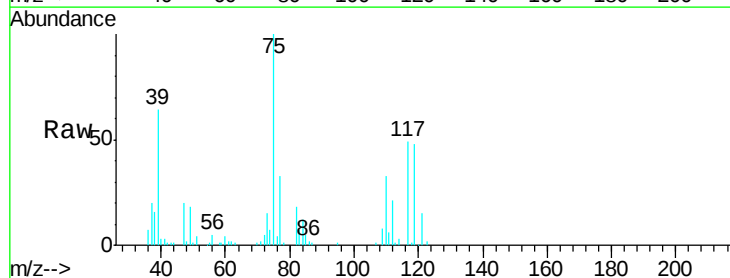
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

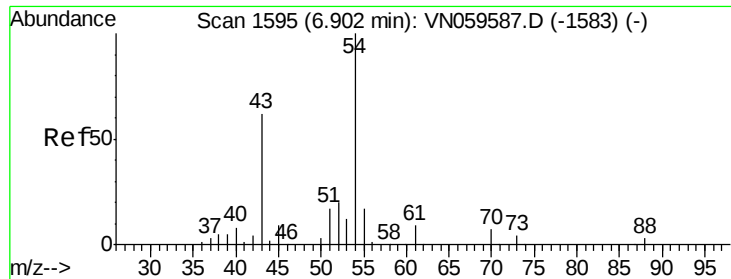
Tgt Ion: 113 Resp: 114779
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.5 125.3
 192 18.9 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 19.413 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 75 Resp: 77267
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.6 49.7
 77 31.4 25.1 37.7

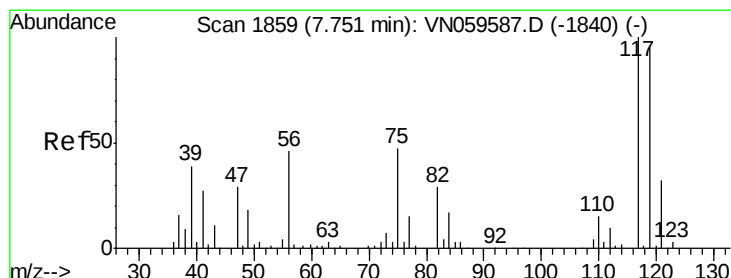
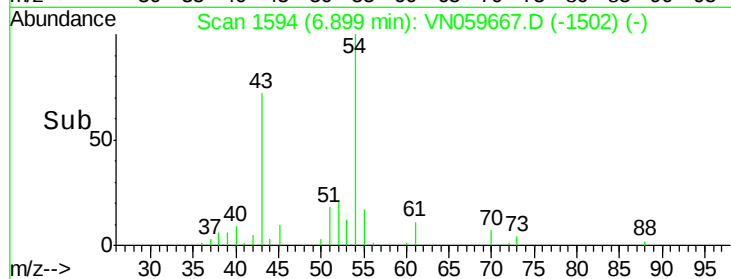
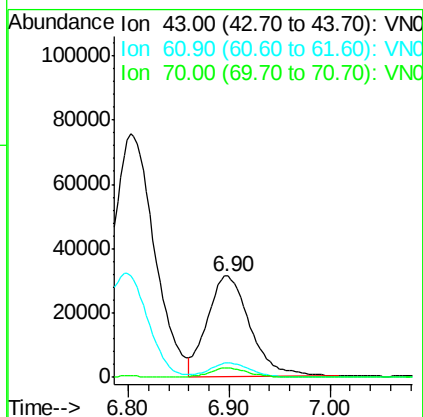
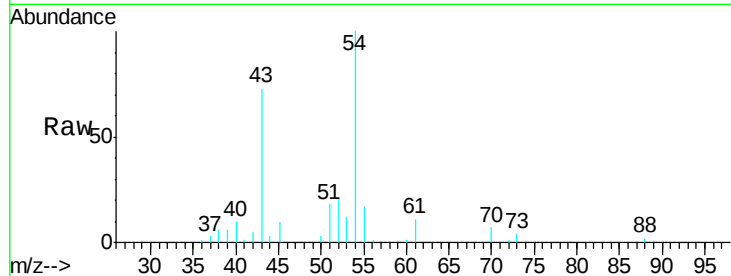




#37
Ethyl Acetate
Concen: 19.821 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

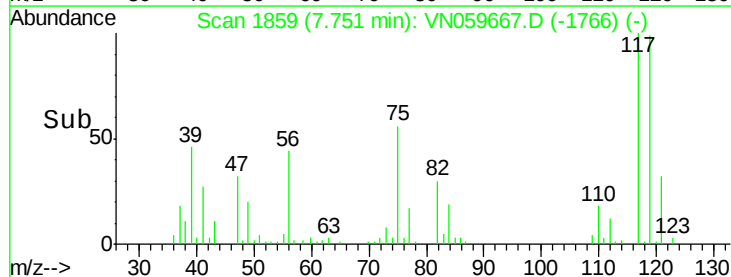
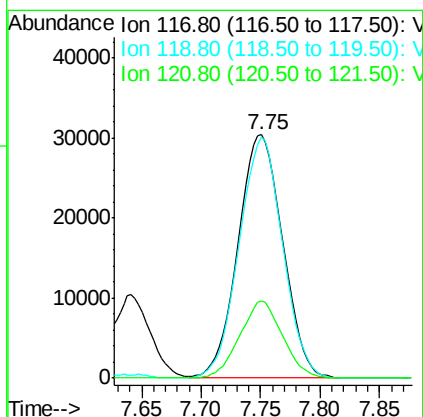
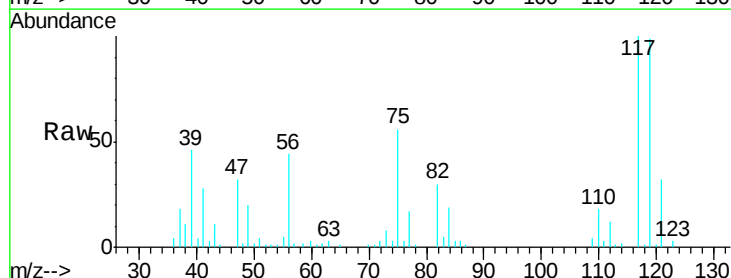
Instrument :
MSVOA_N
ClientSampled :
VN1219WBS01

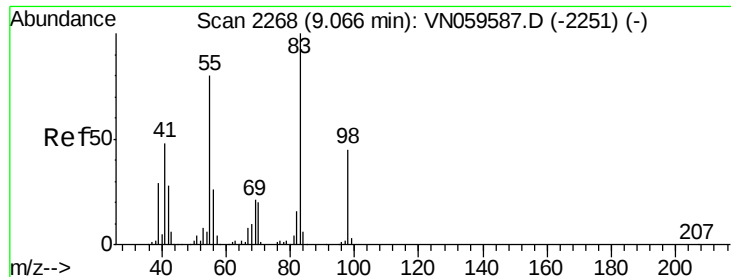
Tgt Ion: 43 Resp: 91693
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 8.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.176 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 117 Resp: 79199
Ion Ratio Lower Upper
117 100
119 99.1 76.5 114.7
121 31.8 25.1 37.7

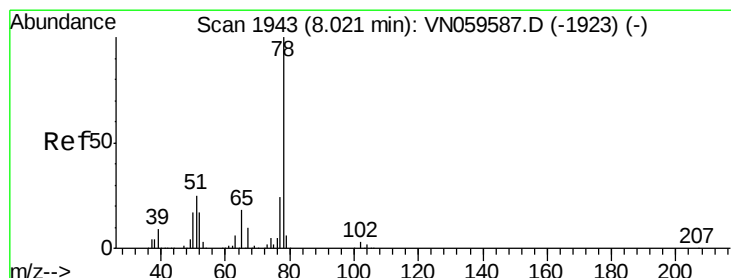
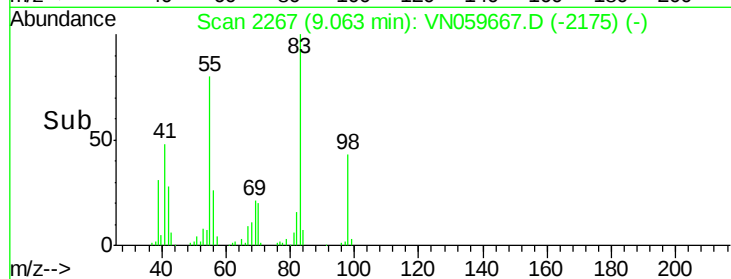
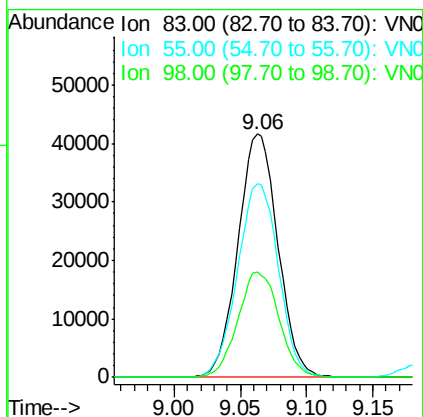
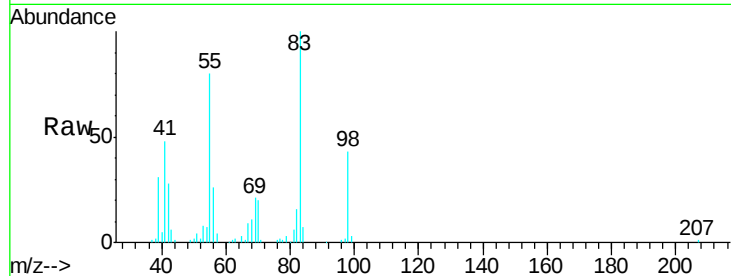




#39
Methylcyclohexane
Concen: 19.314 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

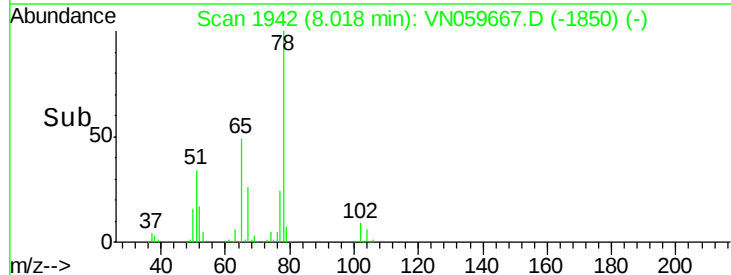
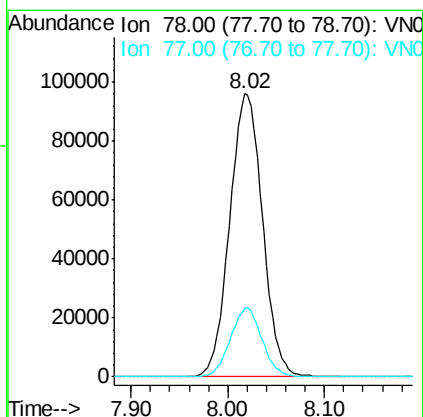
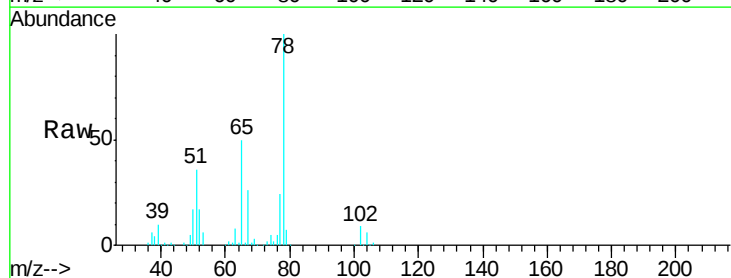
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

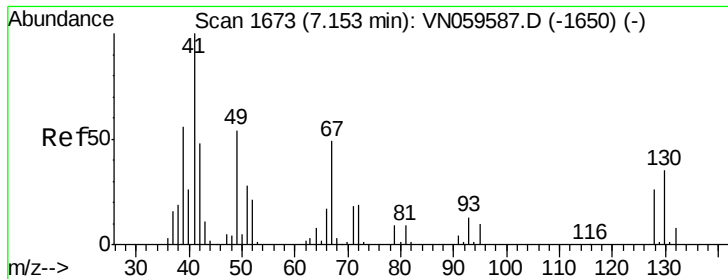
Tgt Ion: 83 Resp: 87197
Ion Ratio Lower Upper
83 100
55 79.8 64.2 96.2
98 43.1 35.9 53.9



#40
Benzene
Concen: 19.476 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 78 Resp: 226535
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

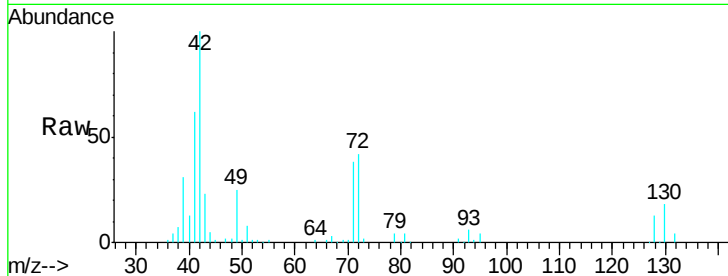




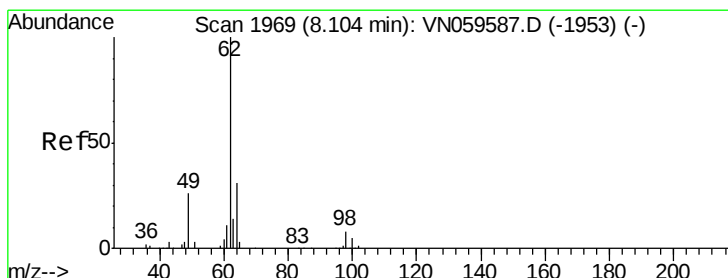
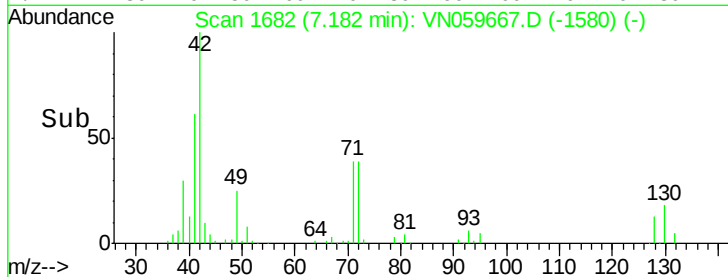
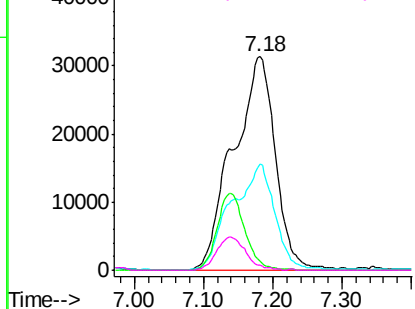
#41
Methacrylonitrile
Concen: 69.131 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

Tgt Ion:	41	Resp:	131980
Ion	Ratio	Lower	Upper
41	100		
39	51.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

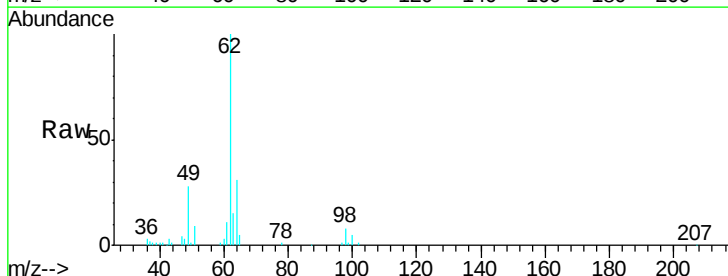


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

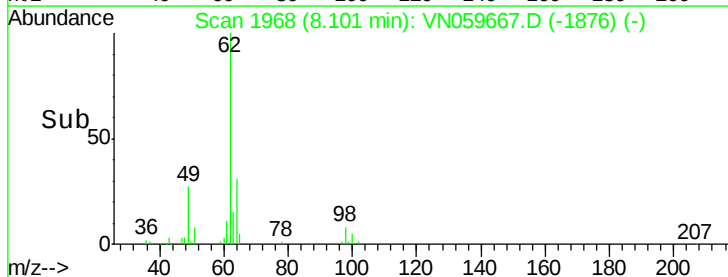
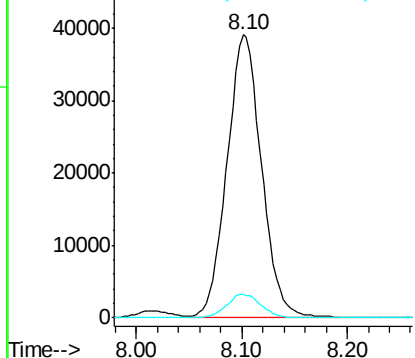


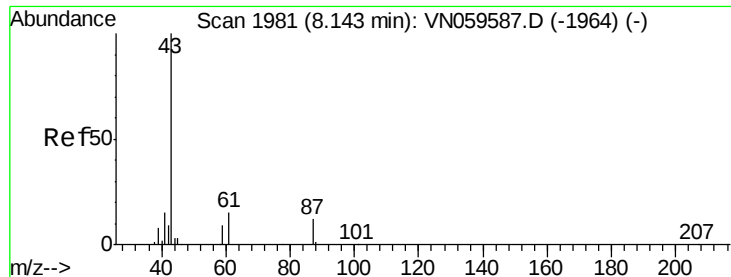
#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:	62	Resp:	88720
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8



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

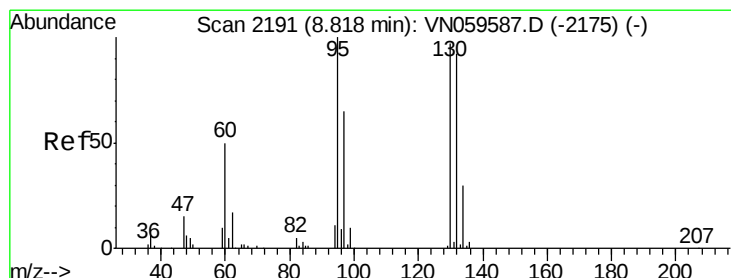
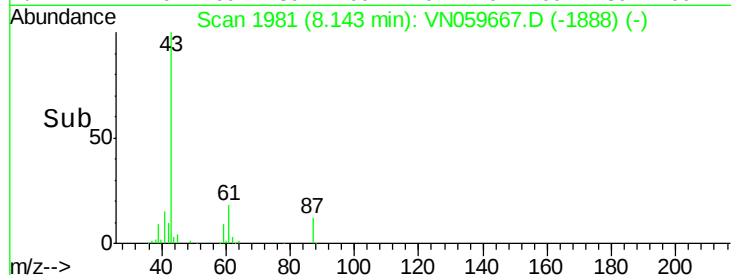
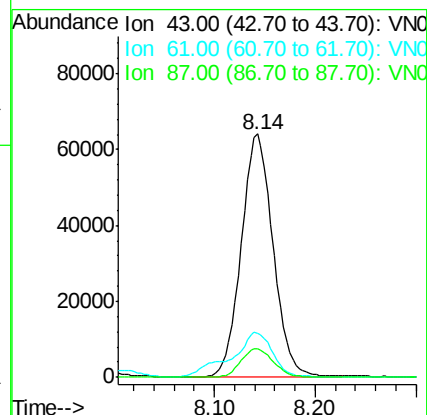
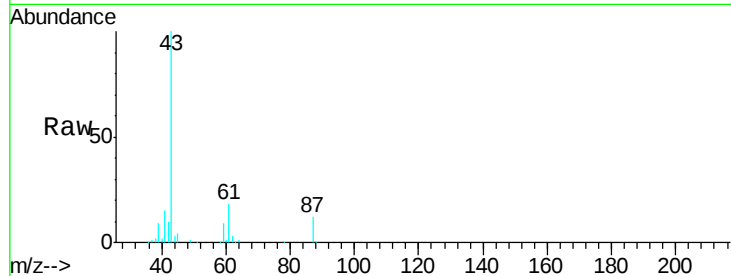




#43
Isopropyl Acetate
Concen: 19.554 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

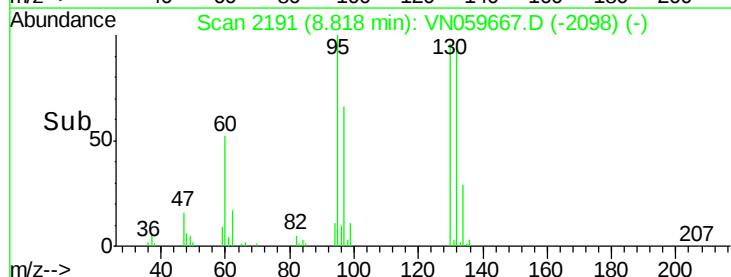
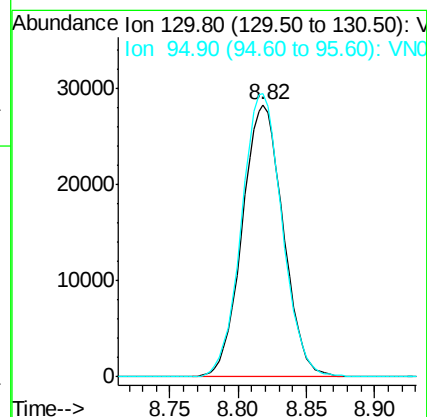
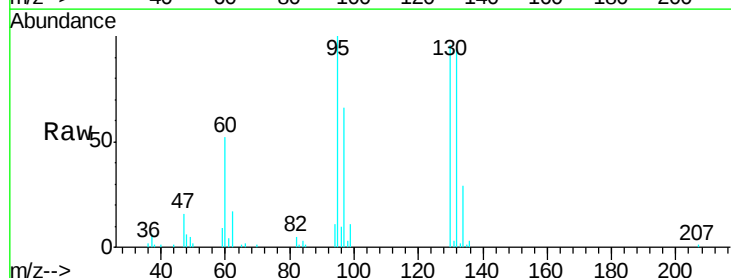
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

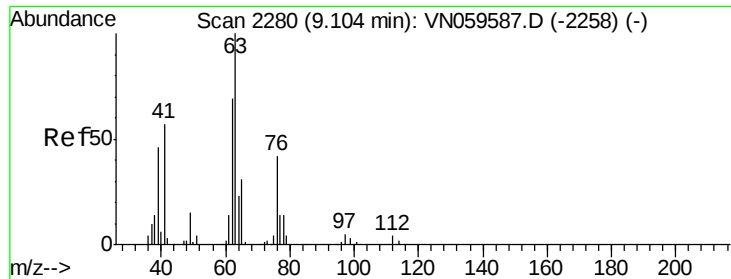
Tgt Ion: 43 Resp: 140636
Ion Ratio Lower Upper
43 100
61 24.5 20.2 30.2
87 12.0 9.5 14.3



#44
Trichloroethene
Concen: 19.281 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 130 Resp: 58744
Ion Ratio Lower Upper
130 100
95 104.1 0.0 207.0





#45

1,2-Dichloropropane

Concen: 20.112 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

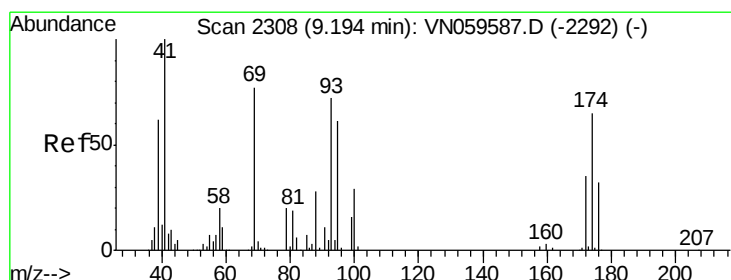
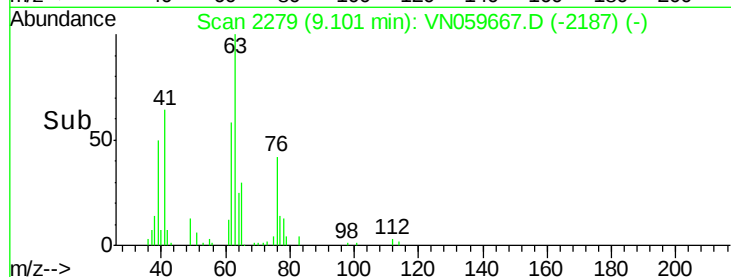
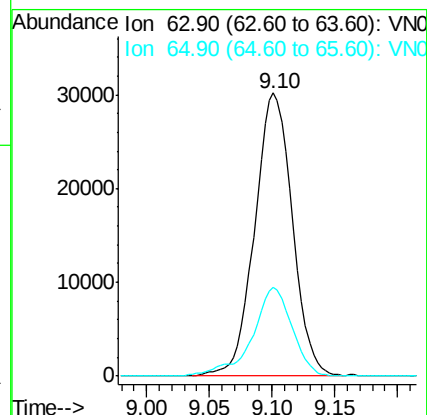
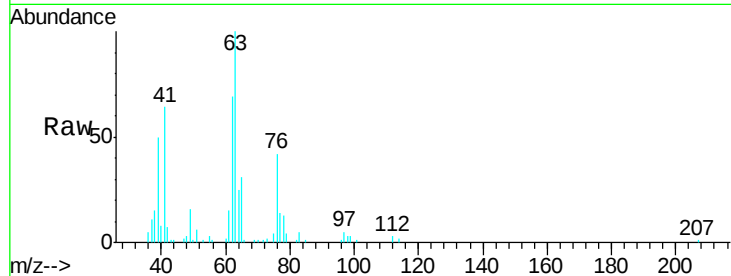
VN1219WBS01

Tgt Ion: 63 Resp: 63170

Ion Ratio Lower Upper

63 100

65 31.2 24.9 37.3



#46

Dibromomethane

Concen: 19.692 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

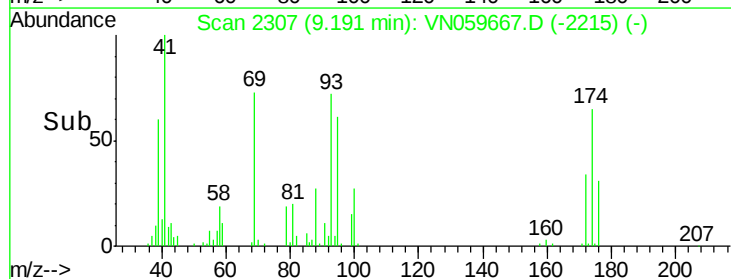
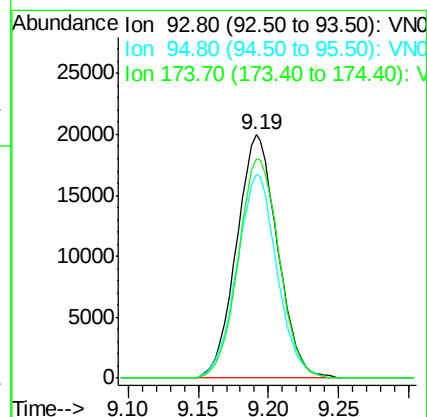
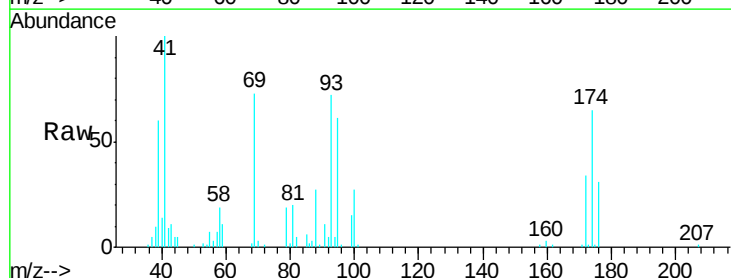
Tgt Ion: 93 Resp: 40521

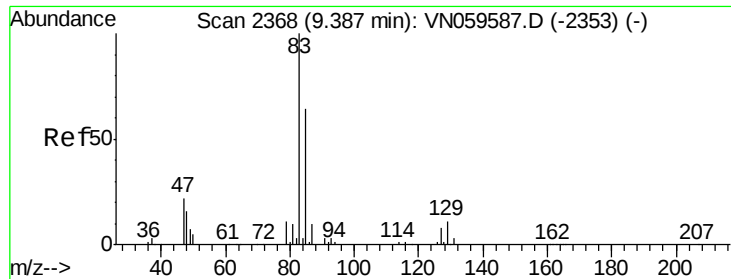
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.6

174 89.9 73.4 110.2





#47

Bromodichloromethane

Concen: 19.576 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

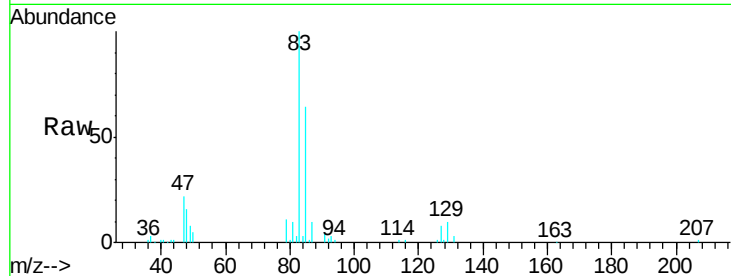
Tgt Ion: 83 Resp: 80313

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7

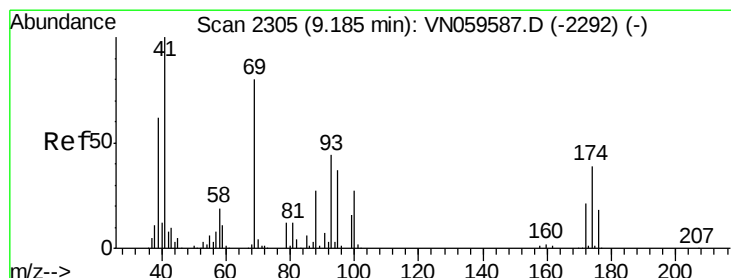
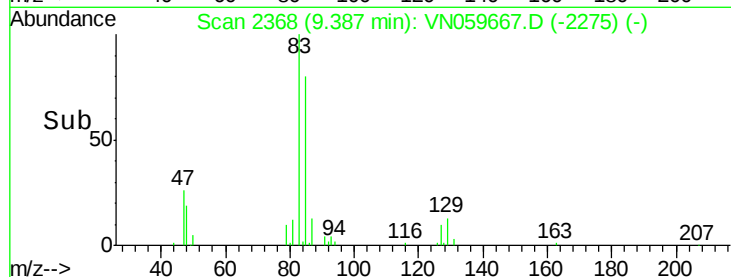
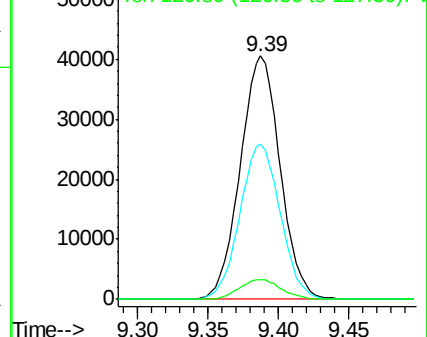
127 8.2 6.6 9.8



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): VN0



#48

Methyl methacrylate

Concen: 18.732 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

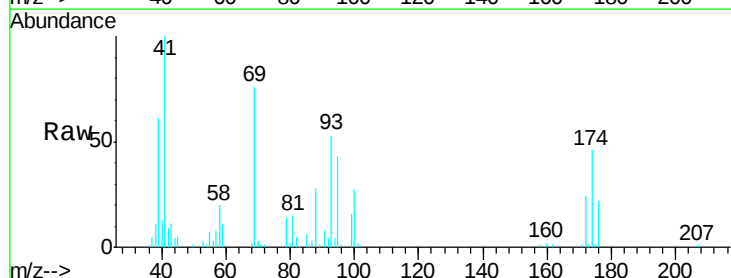
Tgt Ion: 41 Resp: 61125

Ion Ratio Lower Upper

41 100

69 79.7 64.4 96.6

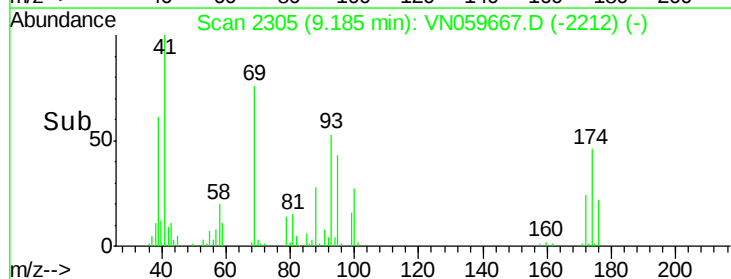
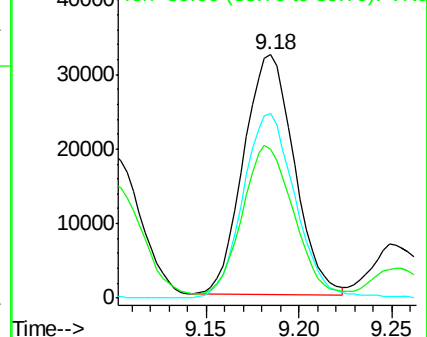
39 64.5 51.3 76.9

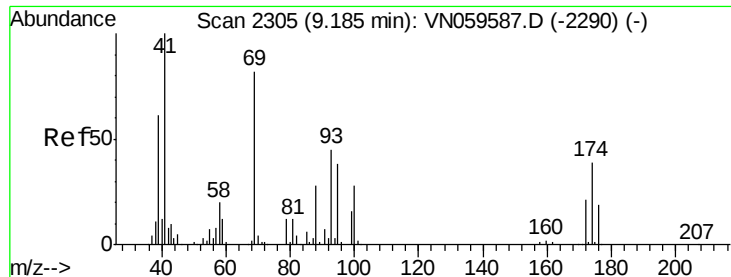


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

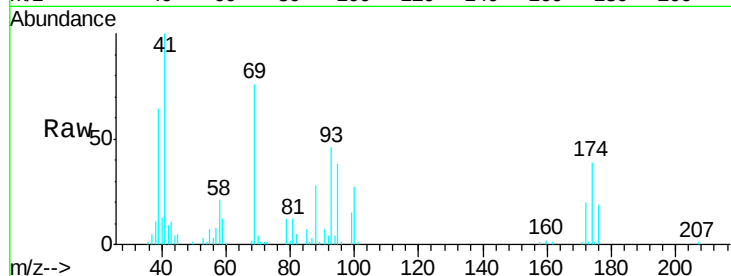




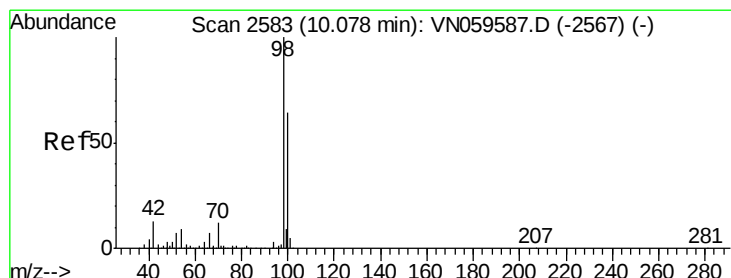
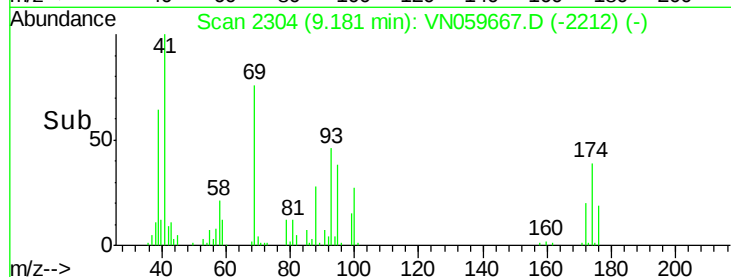
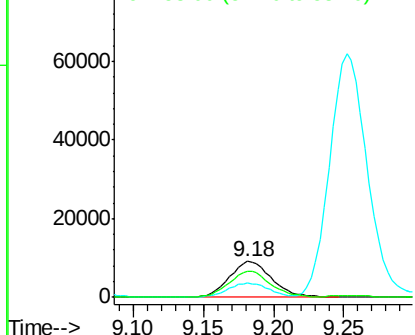
#49
 1,4-Dioxane
 Concen: 411.962 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tgt Ion: 88 Resp: 19264
 Ion Ratio Lower Upper
 88 100
 43 38.8 29.7 44.5
 58 71.1 56.6 85.0

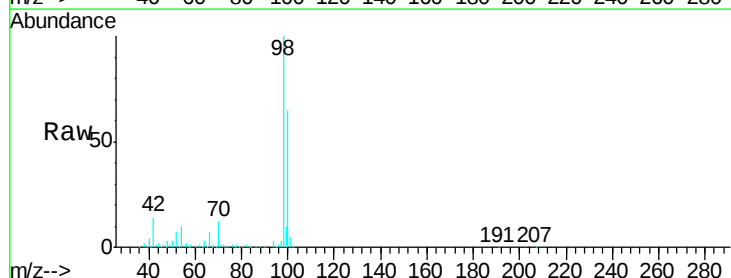


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

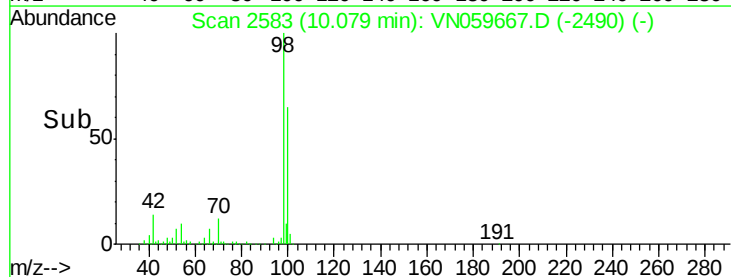
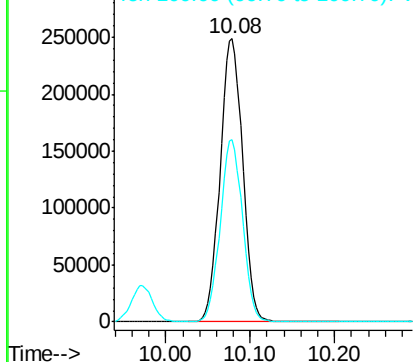


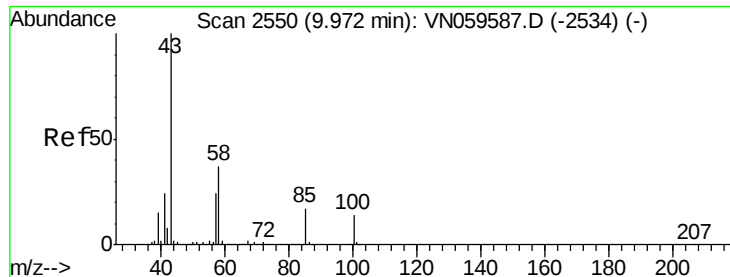
#50
 Toluene-d8
 Concen: 48.673 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 98 Resp: 460169
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.2 76.8



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

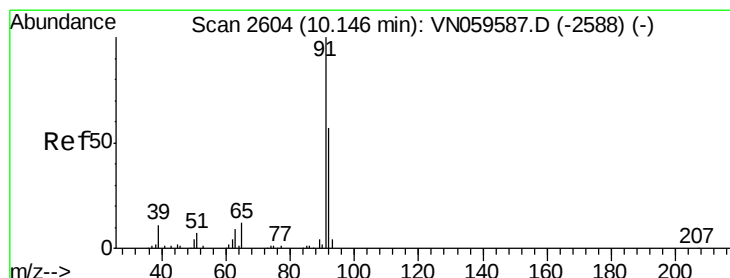
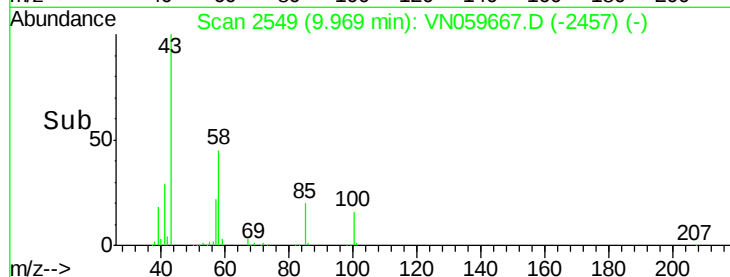
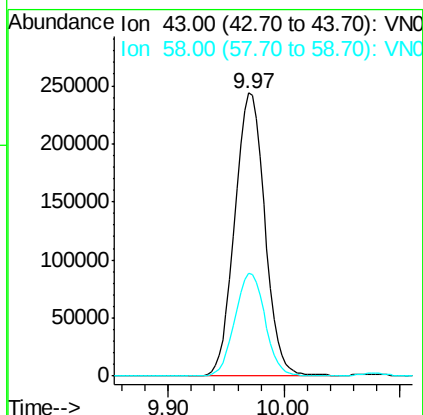
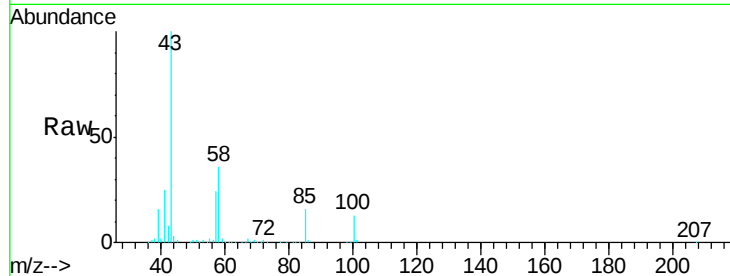




#51
 4-Methyl-2-Pentanone
 Concen: 102.437 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

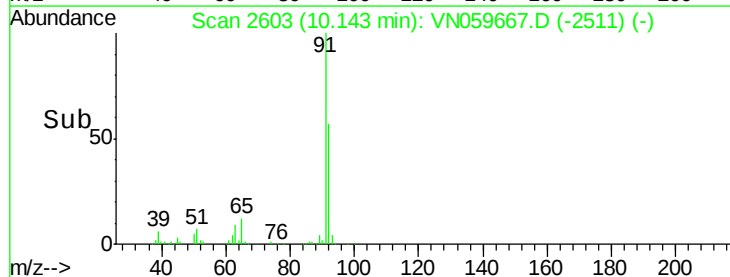
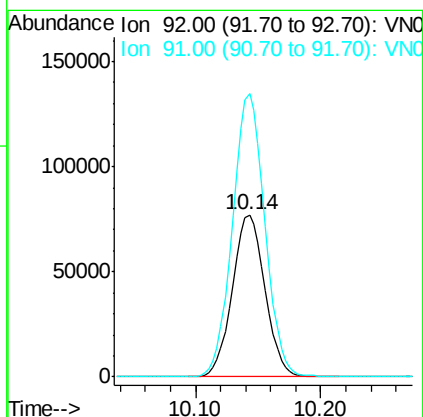
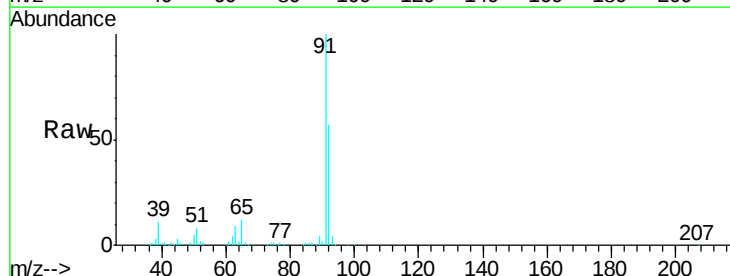
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBS01

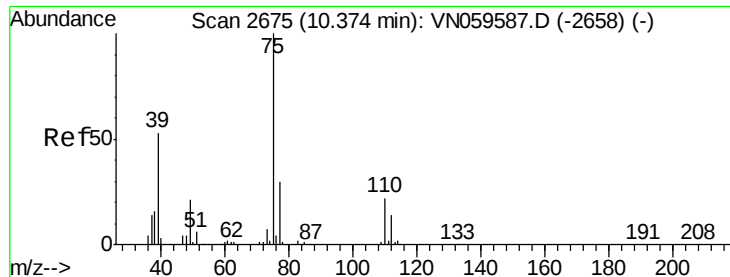
Tgt Ion: 43 Resp: 439261
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.8



#52
 Toluene
 Concen: 19.437 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 92 Resp: 138910
 Ion Ratio Lower Upper
 92 100
 91 173.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.388 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

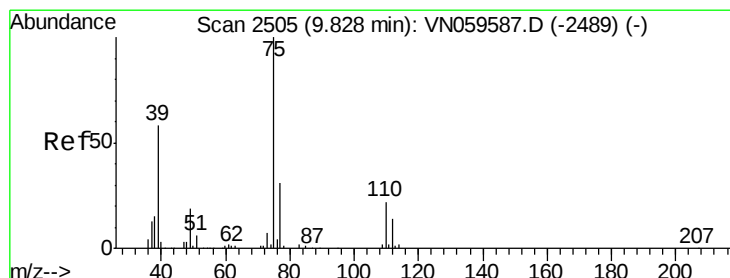
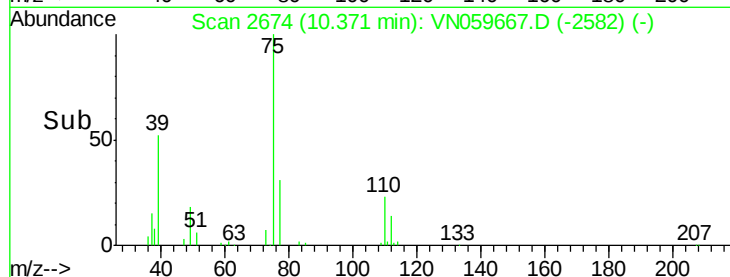
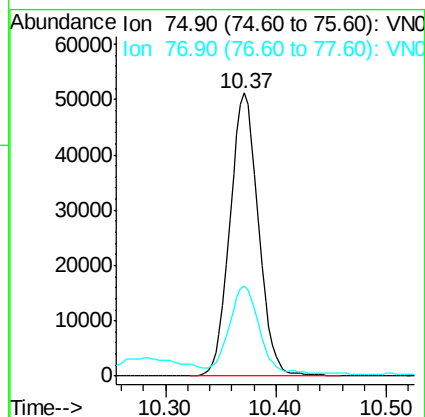
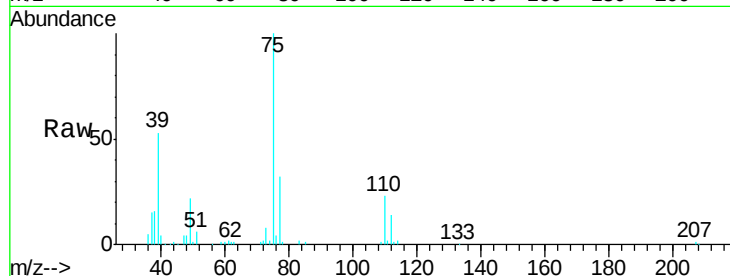
VN1219WBS01

Tgt Ion: 75 Resp: 91995

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.526 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

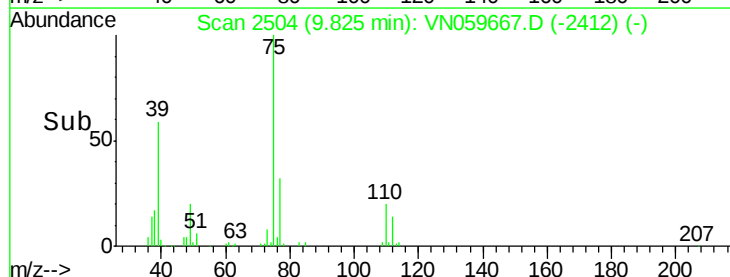
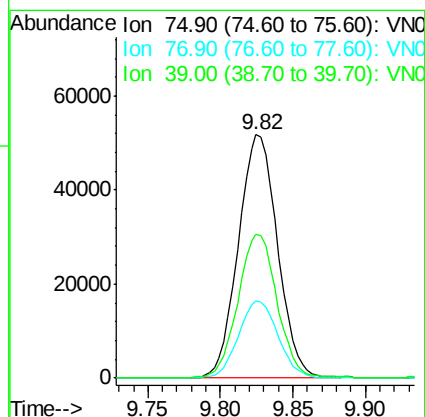
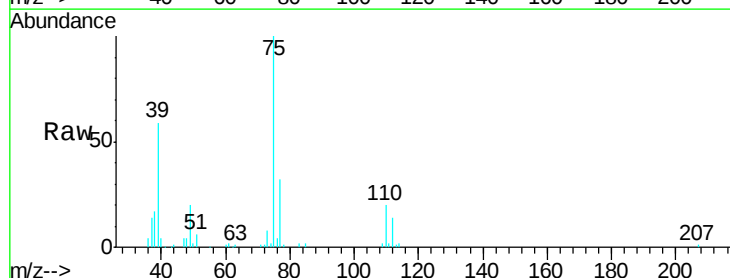
Tgt Ion: 75 Resp: 97388

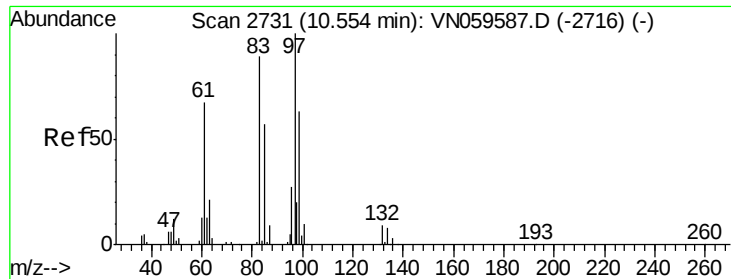
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 58.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 19.720 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tgt Ion: 97 Resp: 55303

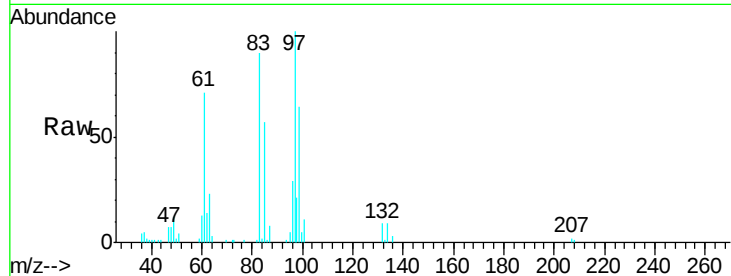
Ion Ratio Lower Upper

97 100

83 89.8 71.3 106.9

85 56.7 45.8 68.8

99 63.7 50.0 75.0

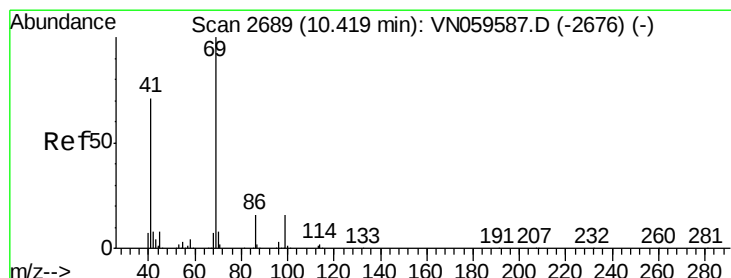
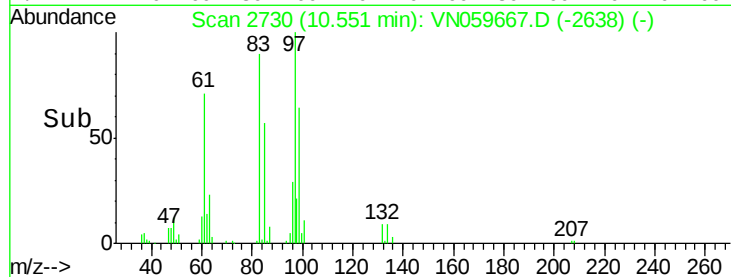
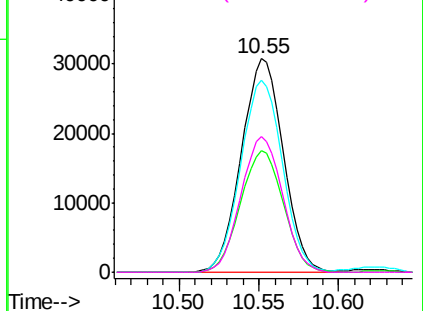


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.162 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

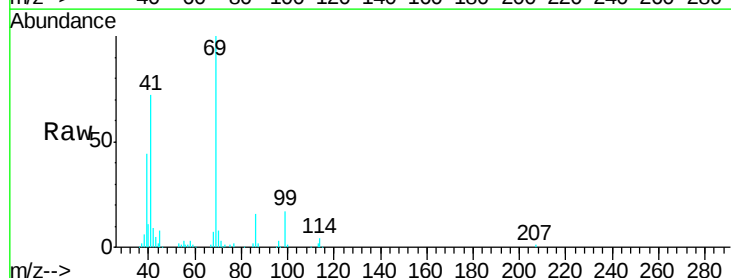
Tgt Ion: 69 Resp: 79778

Ion Ratio Lower Upper

69 100

41 72.5 57.1 85.7

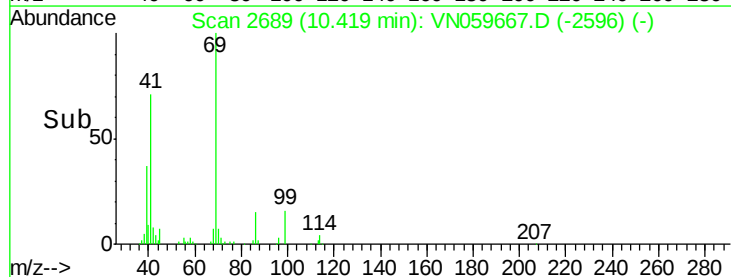
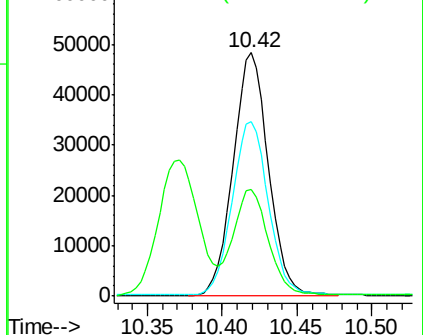
39 43.3 34.7 52.1

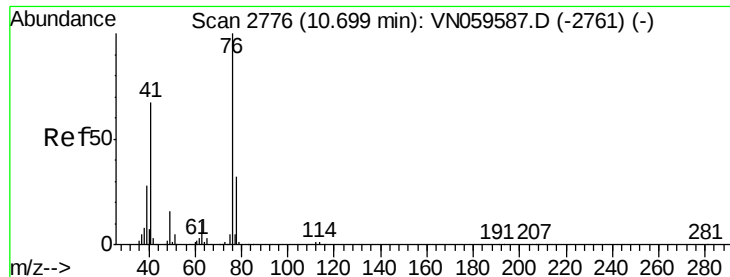


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.990 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

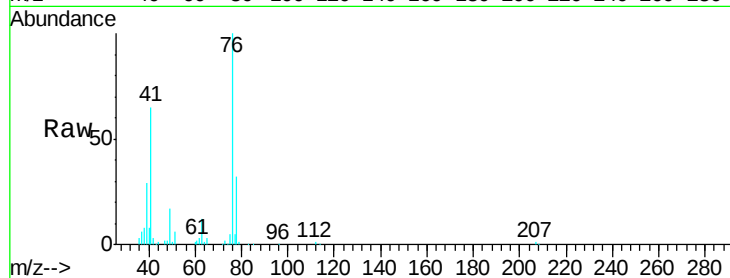
VN1219WBS01

Tgt Ion: 76 Resp: 97607

Ion Ratio Lower Upper

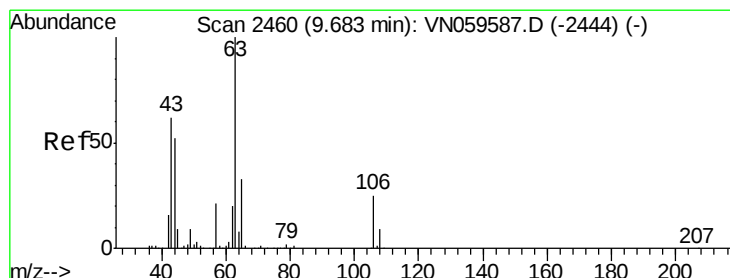
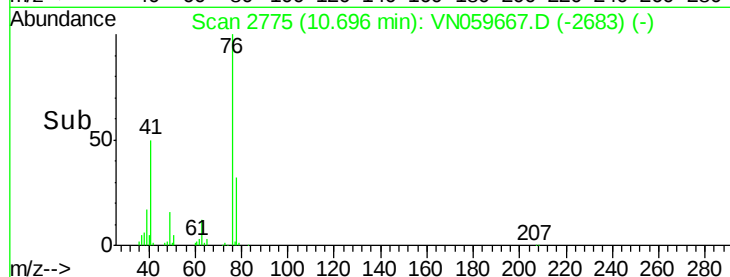
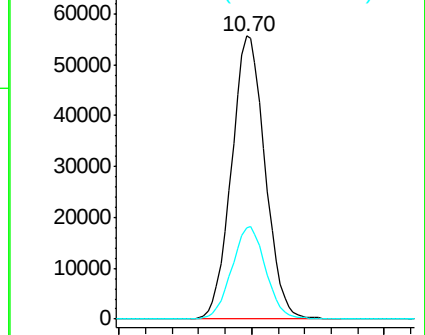
76 100

78 33.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 114.734 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059667.D

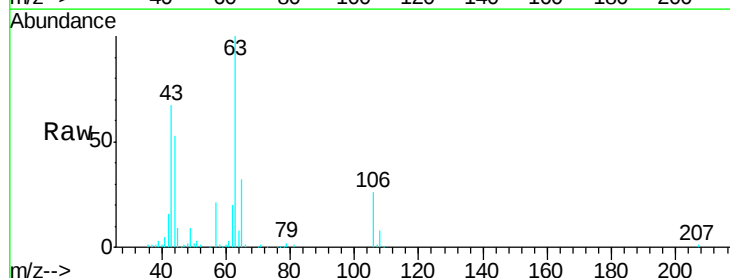
Acq: 19 Dec 2019 13:23

Tgt Ion: 63 Resp: 151918

Ion Ratio Lower Upper

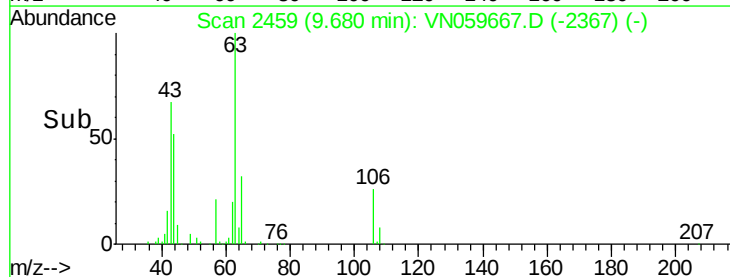
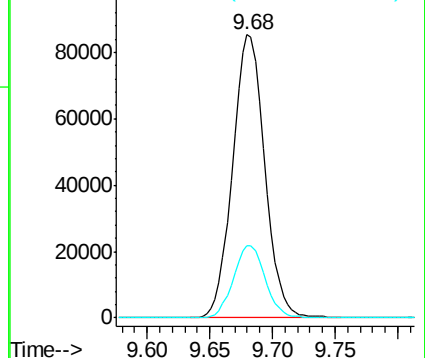
63 100

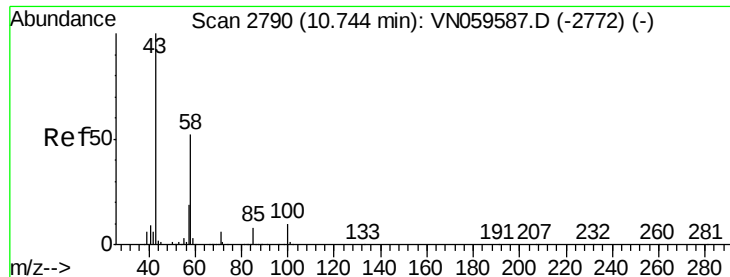
106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

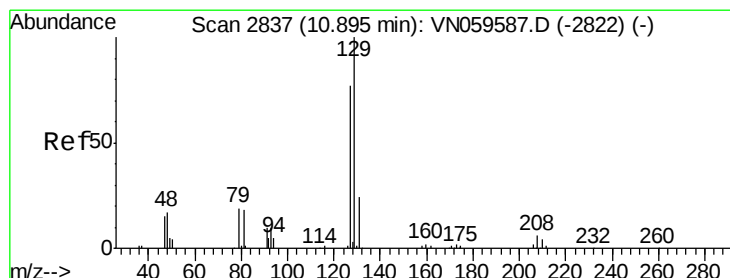
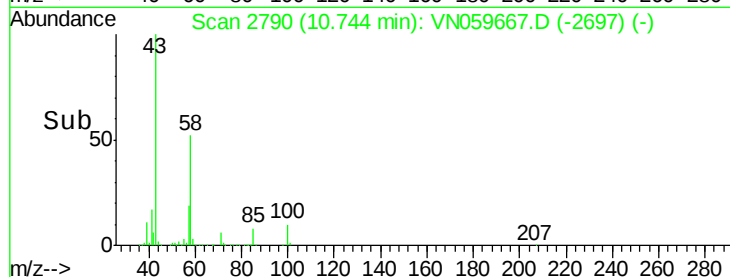
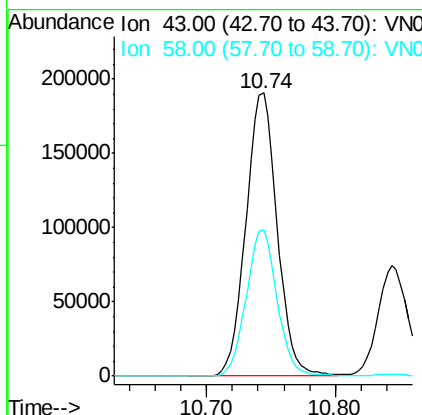
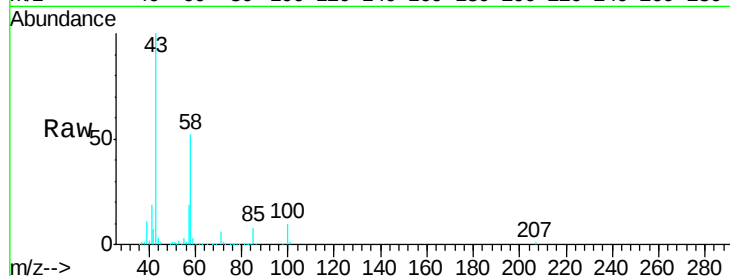




#59
2-Hexanone
Concen: 95.532 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

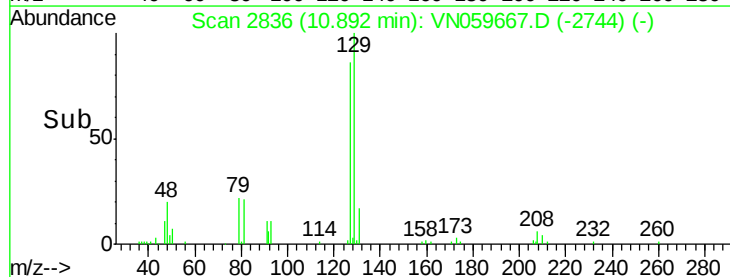
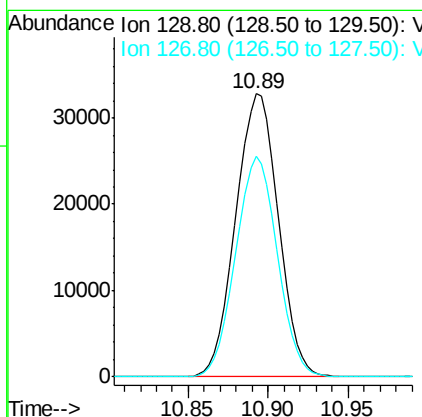
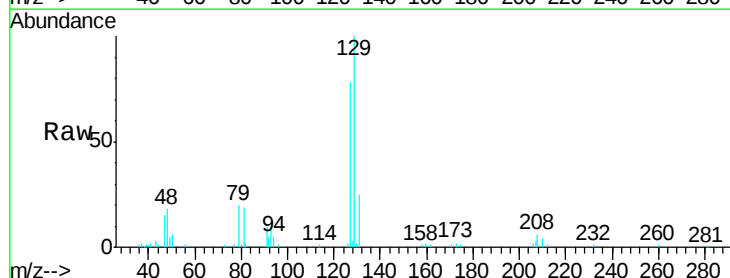
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

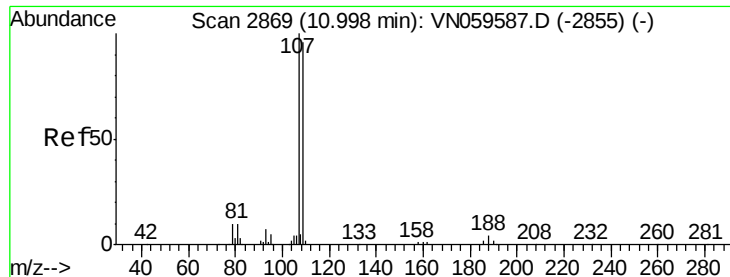
Tgt Ion: 43 Resp: 322861
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3



#60
Dibromochloromethane
Concen: 19.528 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion: 129 Resp: 59772
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5

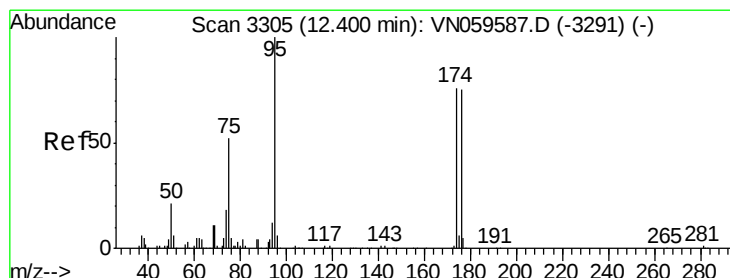
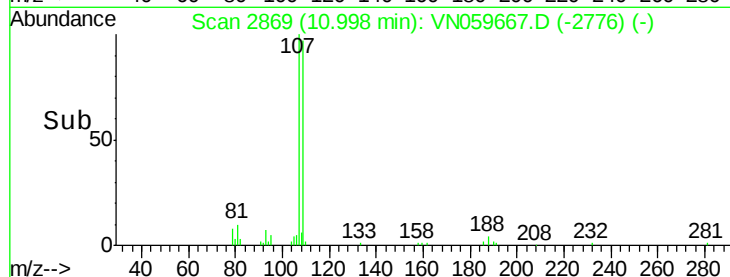
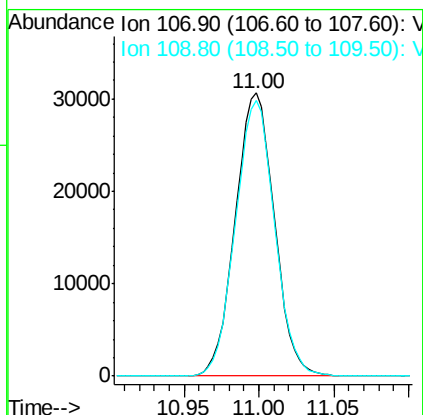
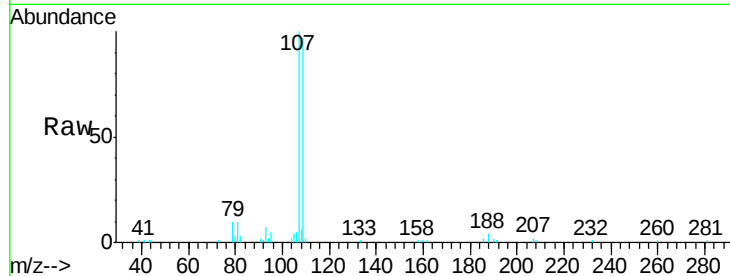




#61
 1,2-Dibromoethane
 Concen: 18.792 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

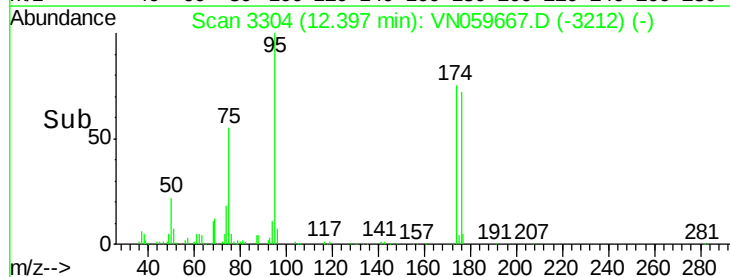
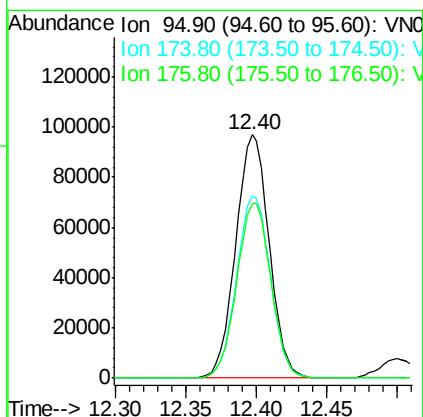
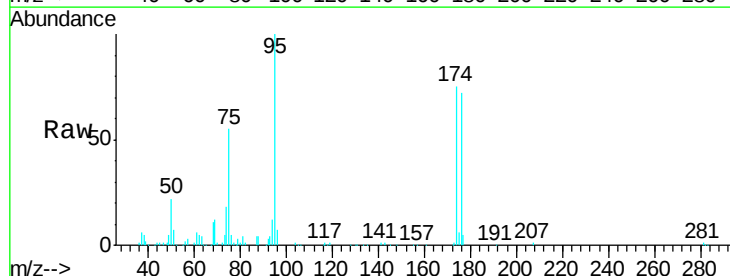
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

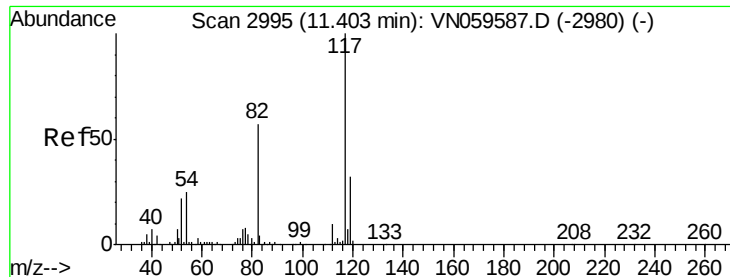
Tgt Ion: 107 Resp: 55891
 Ion Ratio Lower Upper
 107 100
 109 97.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 46.735 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion: 95 Resp: 161227
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 151.4
 176 73.5 0.0 146.0

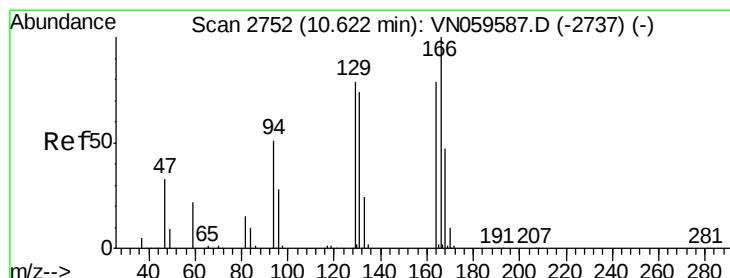
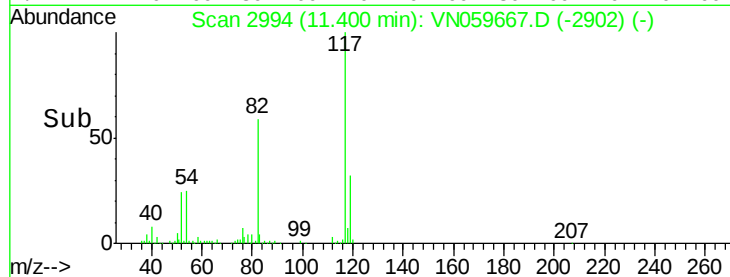
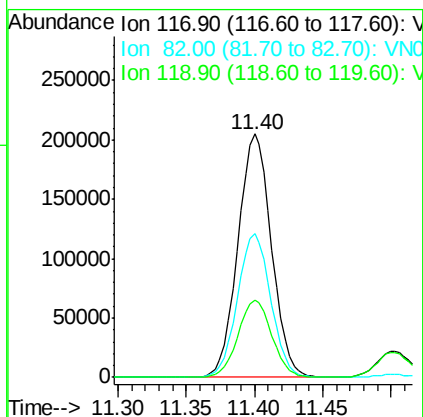
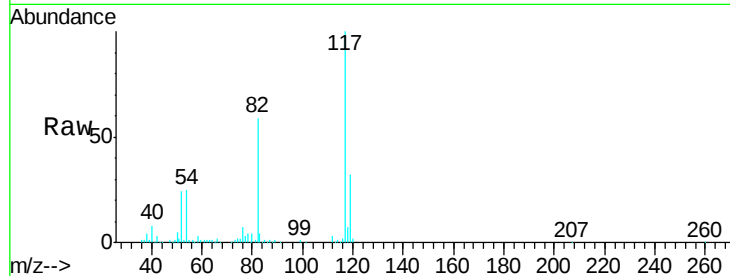




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

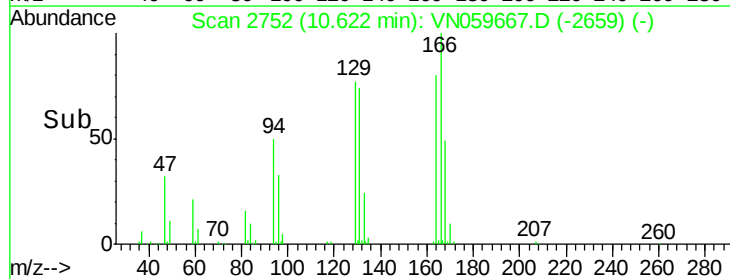
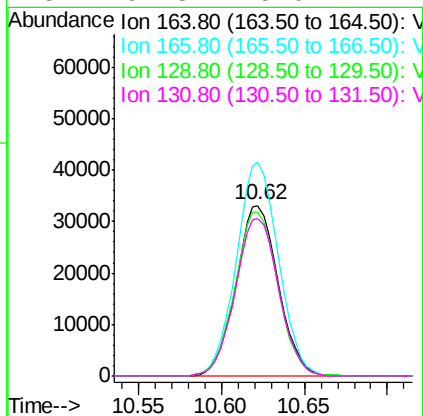
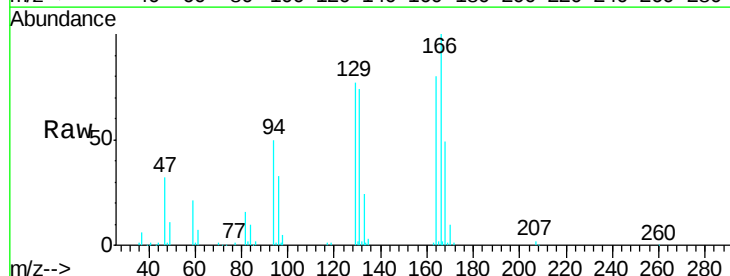
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

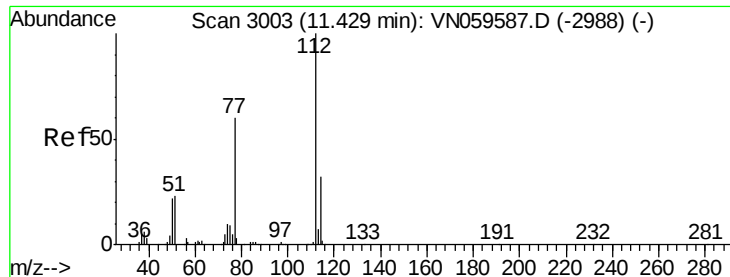
Tgt Ion:117 Resp: 349279
Ion Ratio Lower Upper
117 100
82 58.8 45.9 68.9
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 18.003 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:164 Resp: 58616
Ion Ratio Lower Upper
164 100
166 125.4 101.4 152.0
129 95.9 80.2 120.4
131 92.8 75.0 112.4

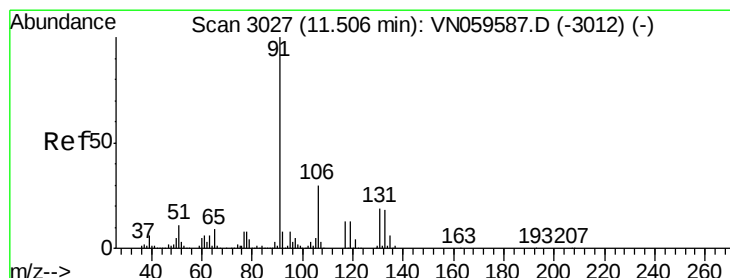
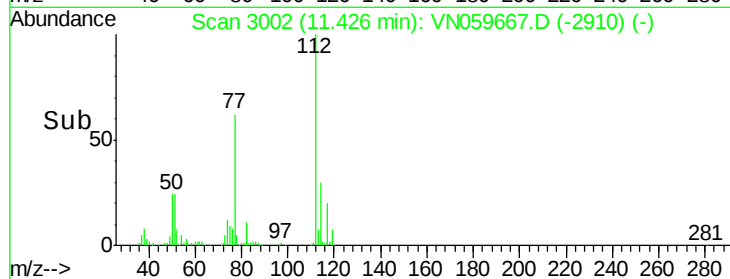
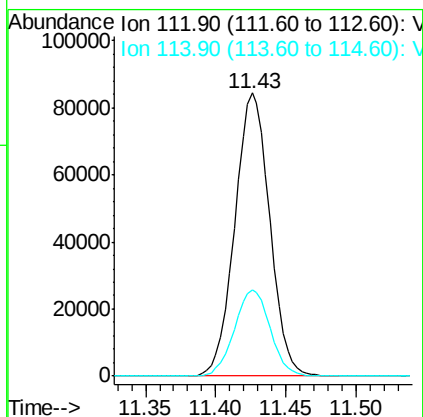
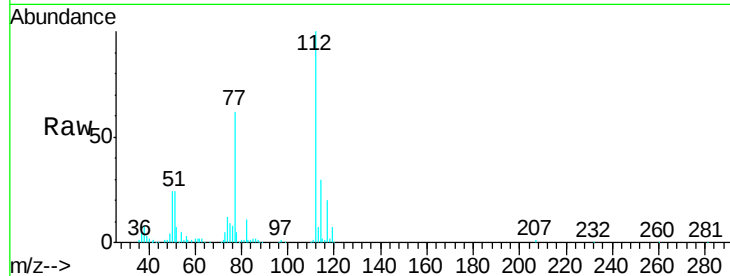




#65
Chlorobenzene
Concen: 19.343 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

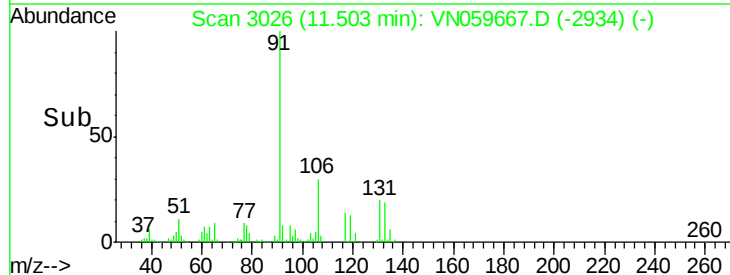
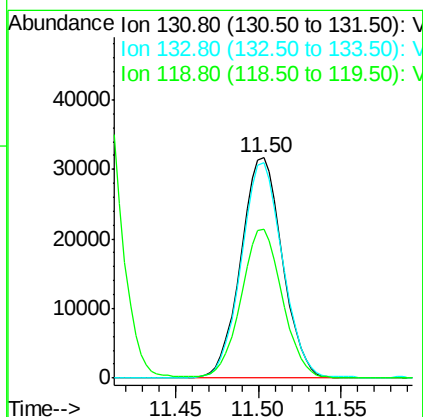
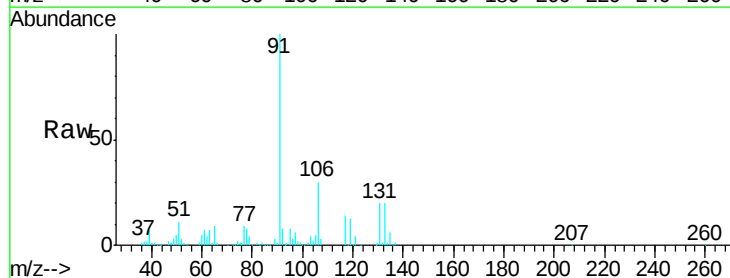
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBS01

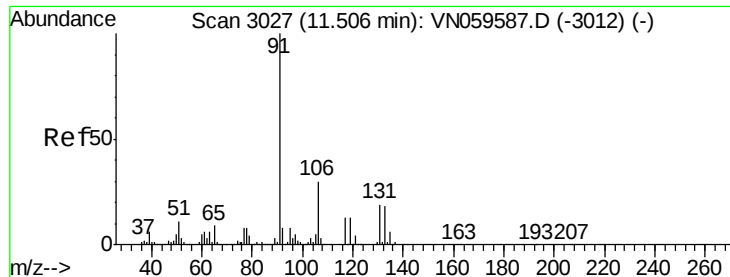
Tgt Ion:112 Resp: 146185
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:131 Resp: 55085
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.2
119 67.2 33.1 99.3





#67

Ethyl Benzene

Concen: 19.408 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

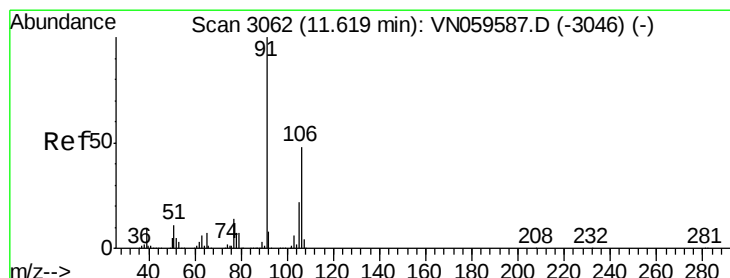
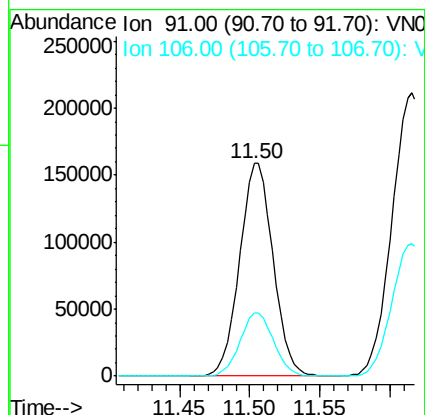
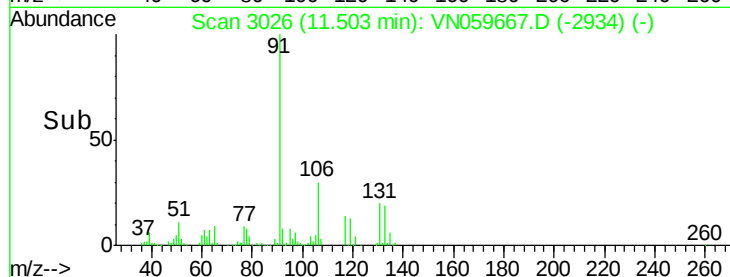
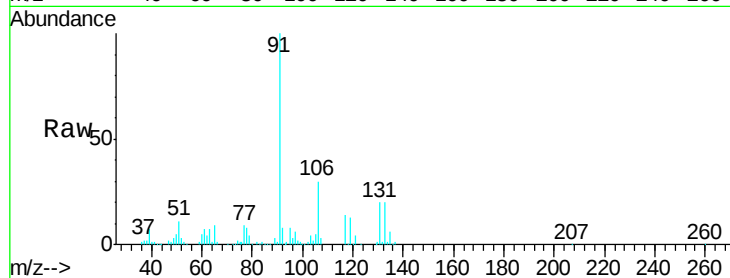
VN1219WBS01

Tgt Ion: 91 Resp: 264761

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 38.216 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059667.D

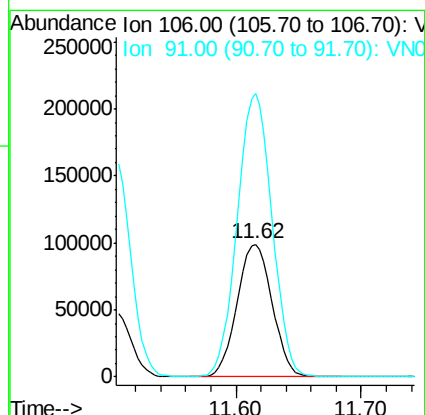
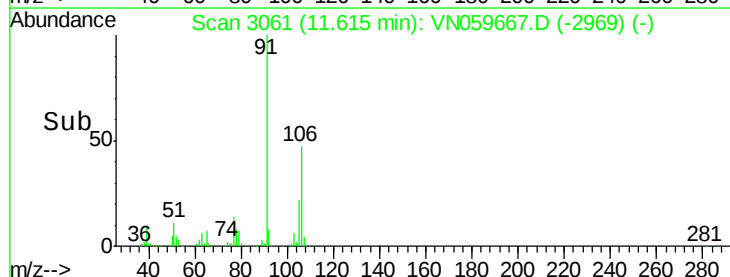
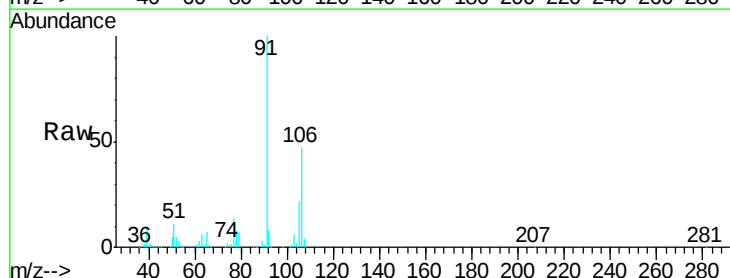
Acq: 19 Dec 2019 13:23

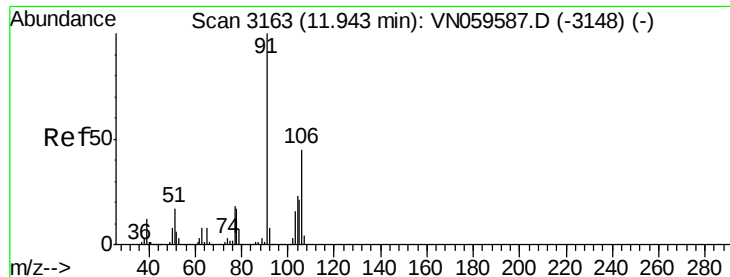
Tgt Ion: 106 Resp: 192513

Ion Ratio Lower Upper

106 100

91 211.4 167.9 251.9

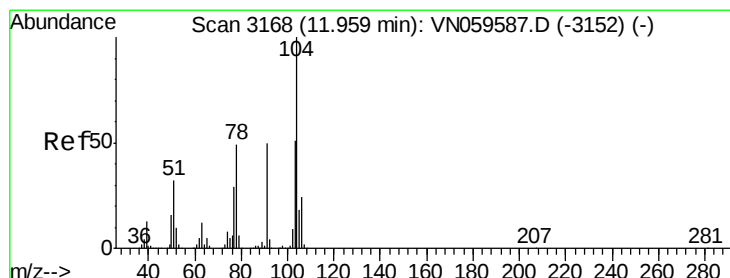
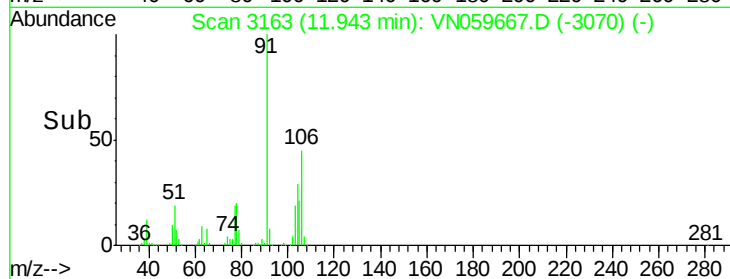
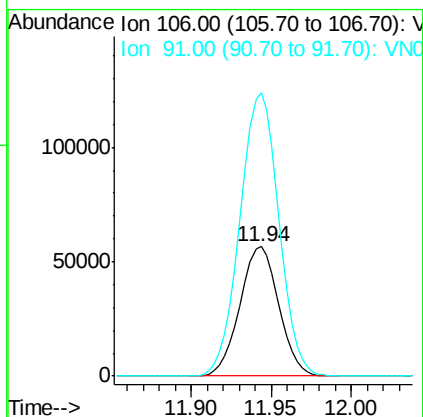
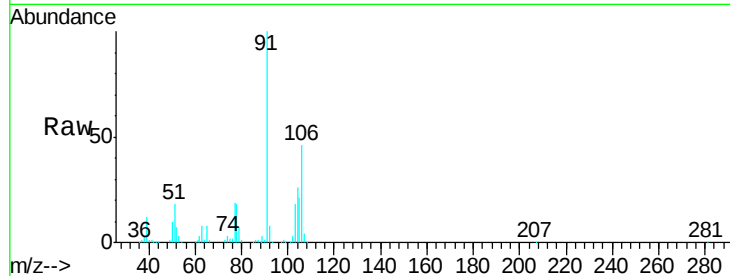




#69
o-Xylene
Concen: 19.498 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

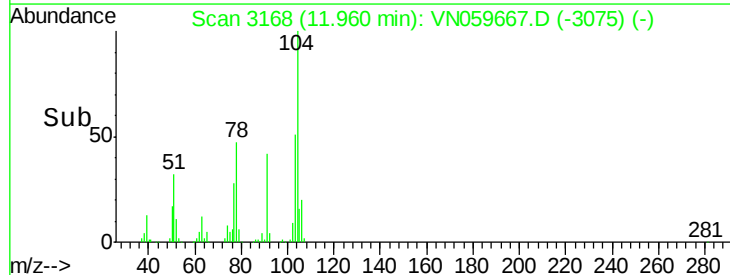
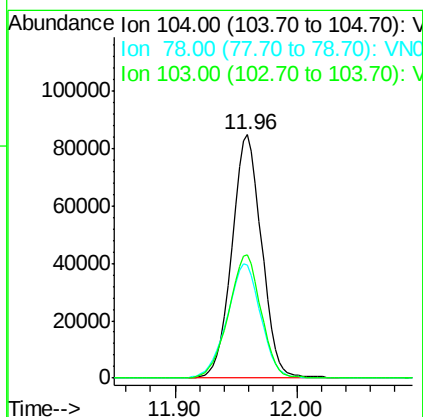
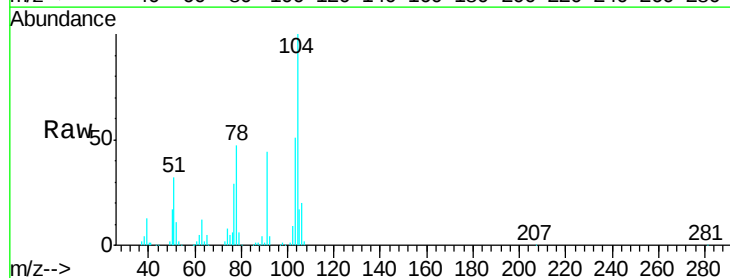
Instrument :
MSVOA_N
ClientSampled :
VN1219WBS01

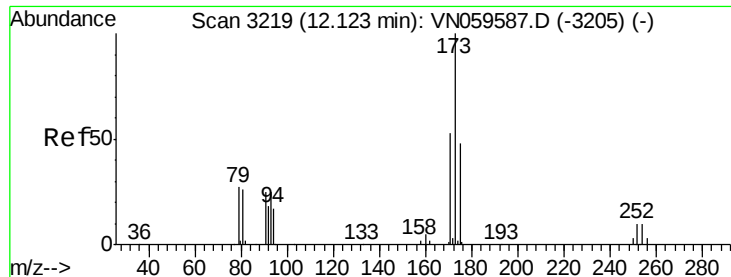
Tgt Ion:106 Resp: 93459
Ion Ratio Lower Upper
106 100
91 220.0 110.3 330.9



#70
Styrene
Concen: 18.709 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:104 Resp: 144082
Ion Ratio Lower Upper
104 100
78 53.4 42.4 63.6
103 55.7 43.9 65.9





#71

Bromoform

Concen: 22.662 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

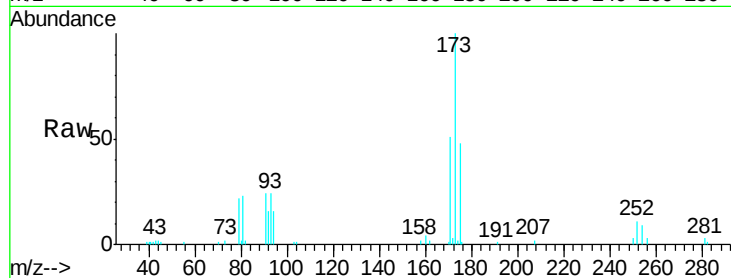
Tgt Ion:173 Resp: 48900

Ion Ratio Lower Upper

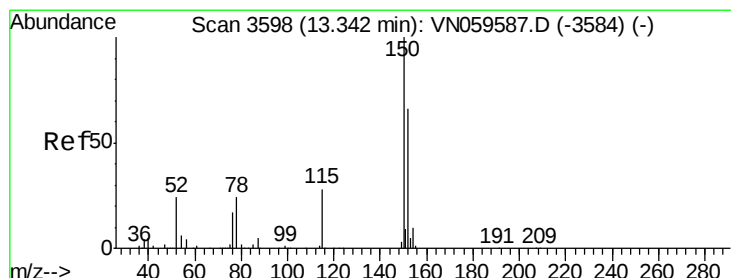
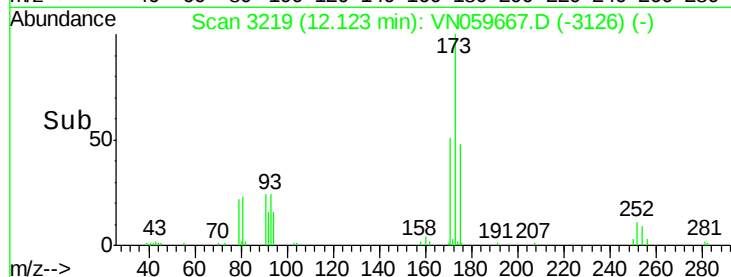
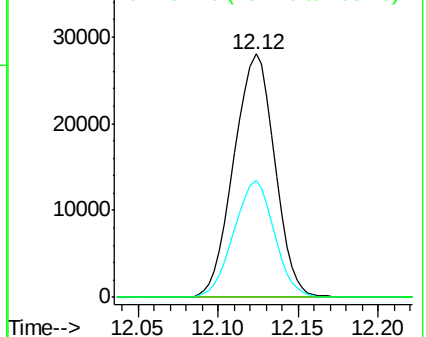
173 100

175 47.4 23.8 71.4

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# 3597

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

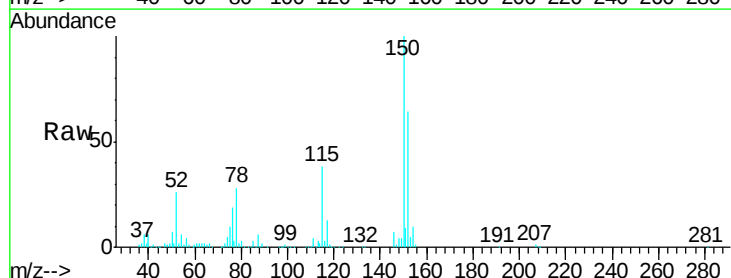
Tgt Ion:152 Resp: 160292

Ion Ratio Lower Upper

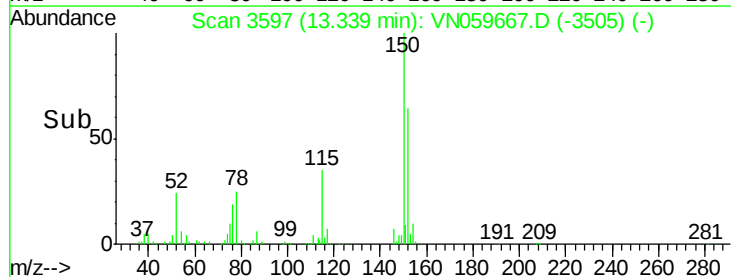
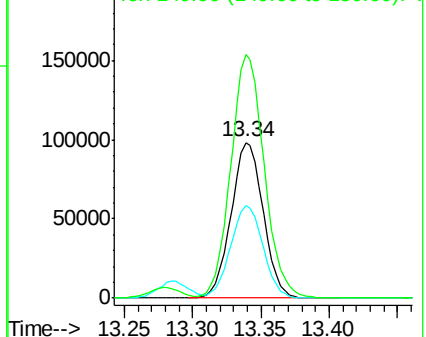
152 100

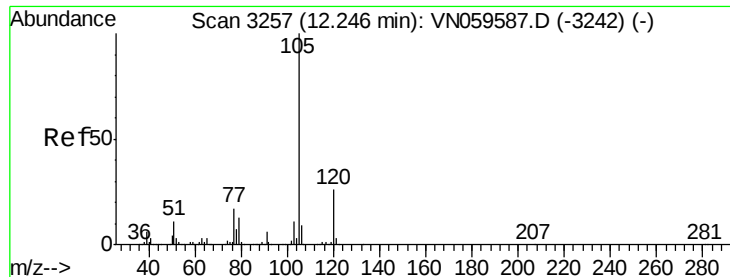
115 60.6 30.3 90.9

150 162.5 0.0 345.2



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: 19.781 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

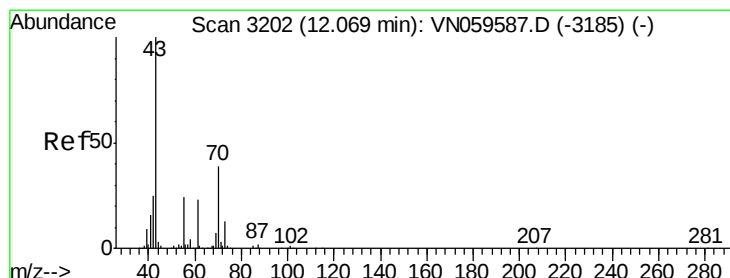
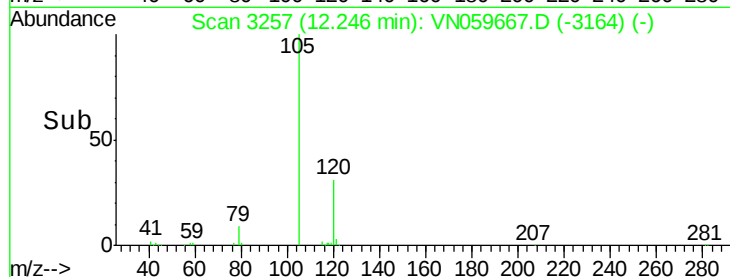
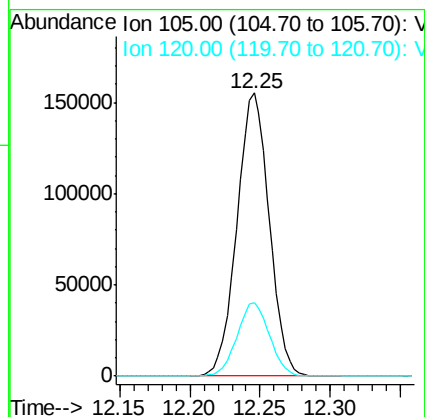
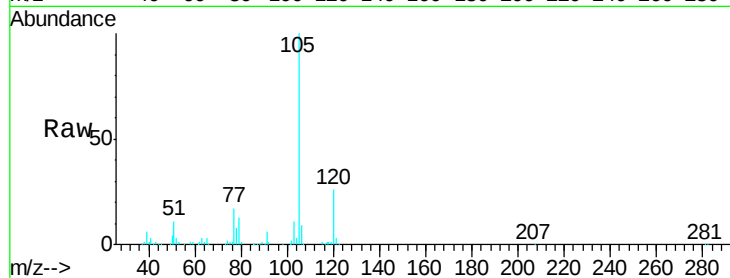
VN1219WBS01

Tgt Ion: 105 Resp: 248903

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#74

N-ethyl acetate

Concen: 21.913 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion: 43 Resp: 126477

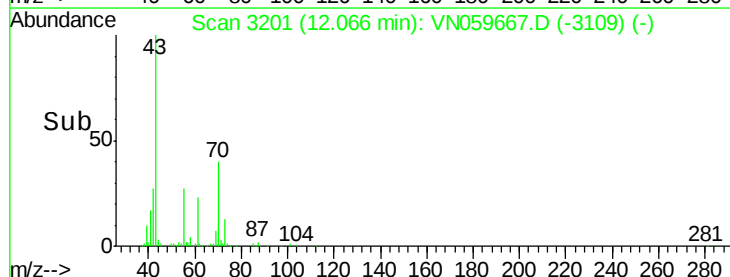
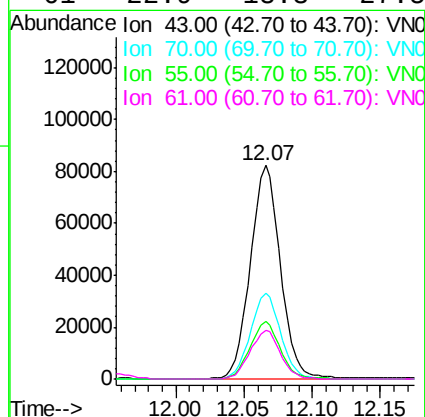
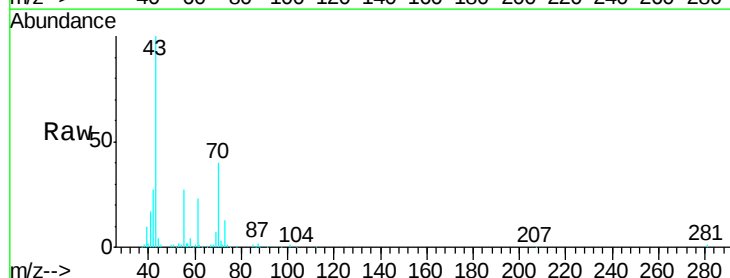
Ion Ratio Lower Upper

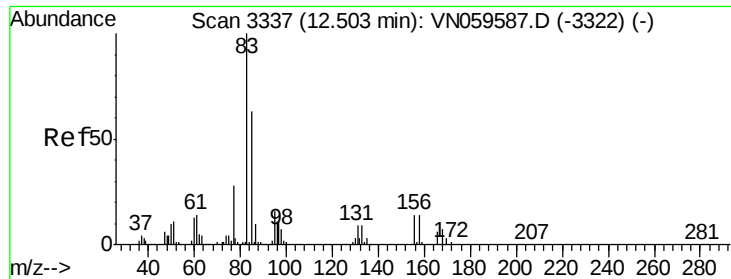
43 100

70 40.3 31.3 46.9

55 27.1 19.8 29.6

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

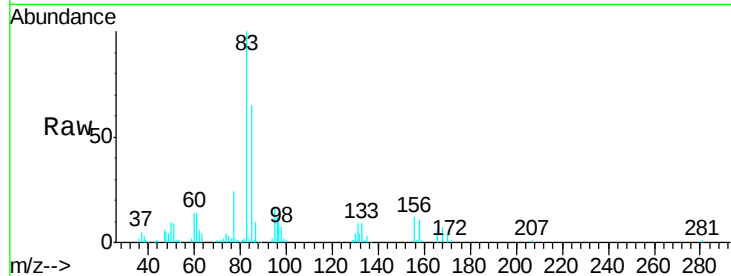
Tgt Ion: 83 Resp: 78781

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

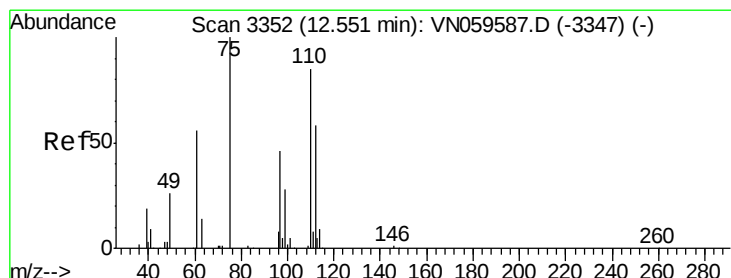
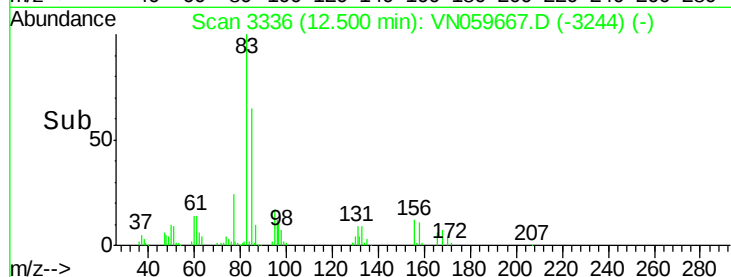
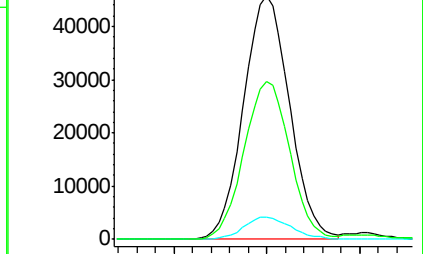
85 64.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.359 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059667.D

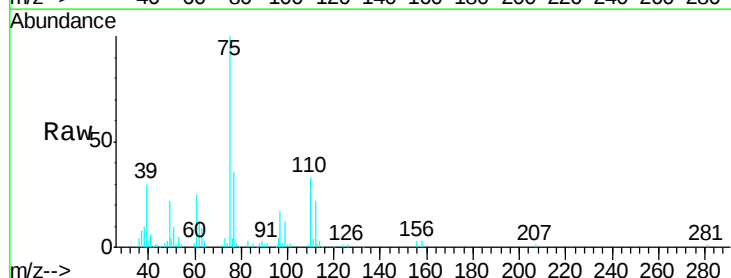
Acq: 19 Dec 2019 13:23

Tgt Ion: 75 Resp: 116501

Ion Ratio Lower Upper

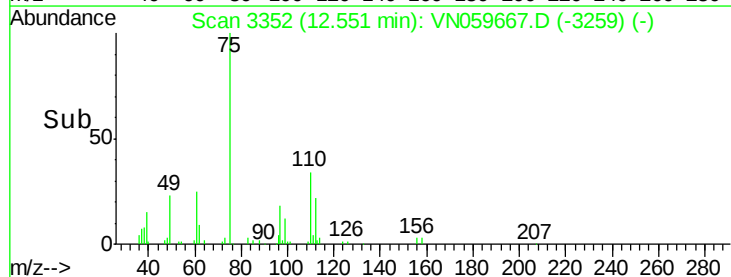
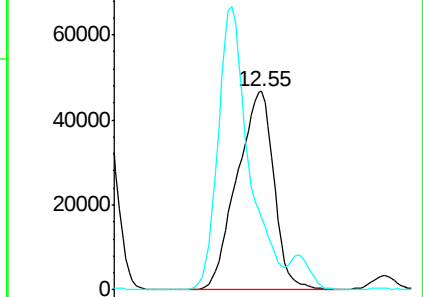
75 100

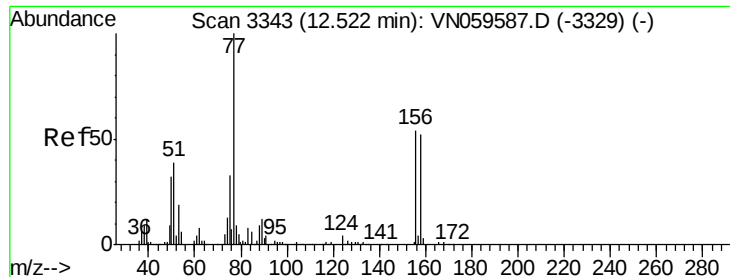
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)





#77

Bromobenzene

Concen: 19.211 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

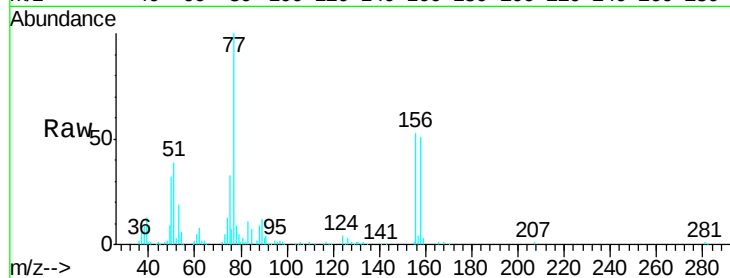
Tgt Ion:156 Resp: 59449

Ion Ratio Lower Upper

156 100

77 234.0 115.8 347.4

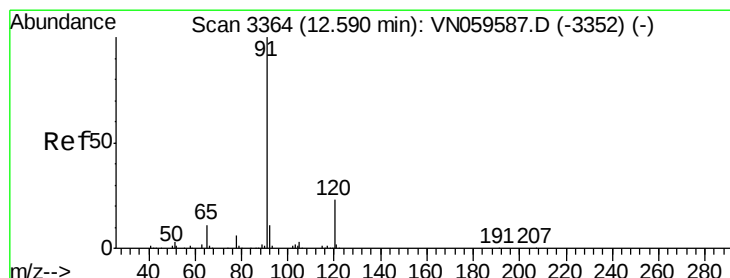
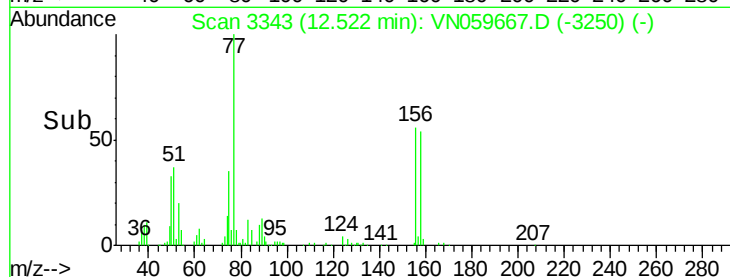
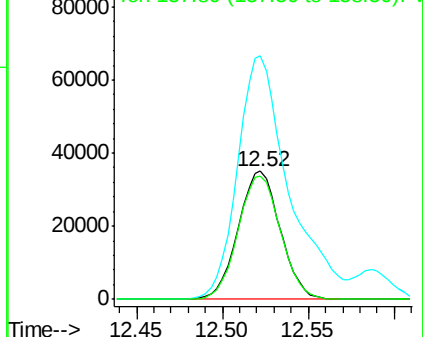
158 97.6 49.2 147.6



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: 19.930 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059667.D

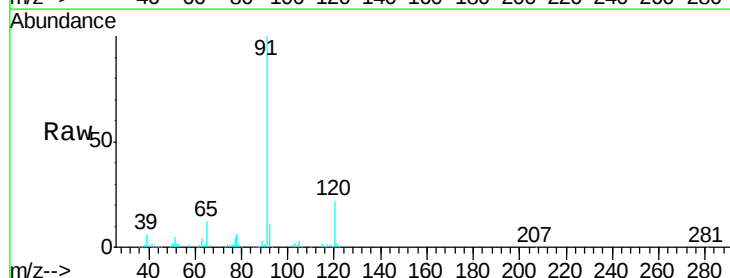
Acq: 19 Dec 2019 13:23

Tgt Ion: 91 Resp: 296444

Ion Ratio Lower Upper

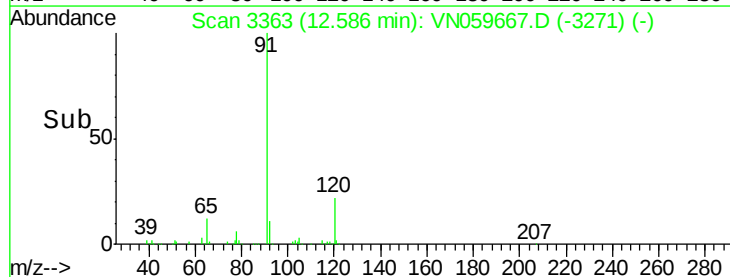
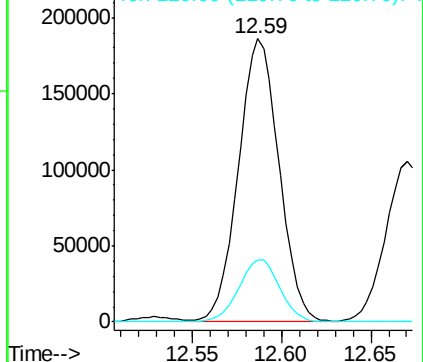
91 100

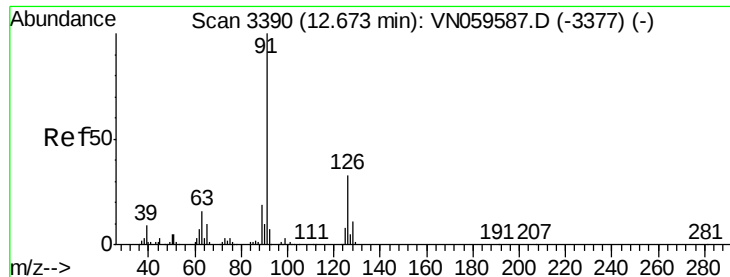
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.686 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

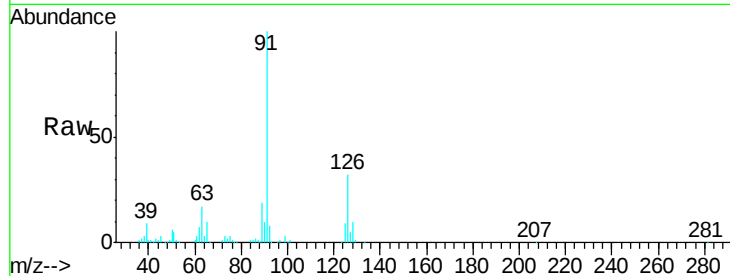
VN1219WBS01

Tgt Ion: 91 Resp: 177054

Ion Ratio Lower Upper

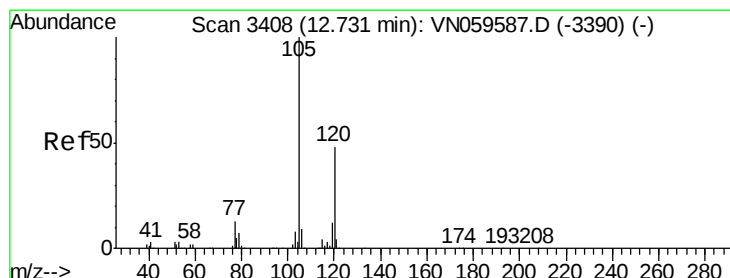
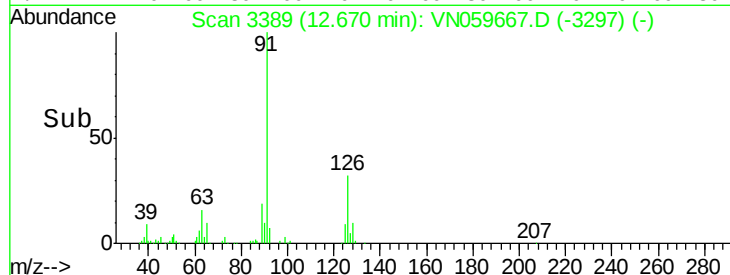
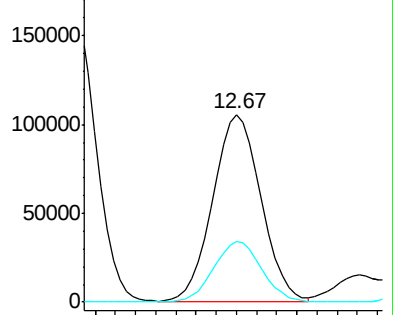
91 100

126 32.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.809 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059667.D

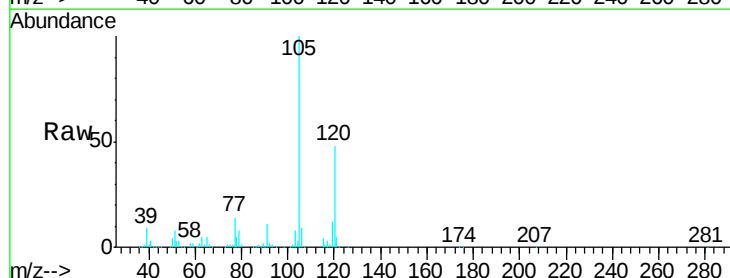
Acq: 19 Dec 2019 13:23

Tgt Ion: 105 Resp: 210938

Ion Ratio Lower Upper

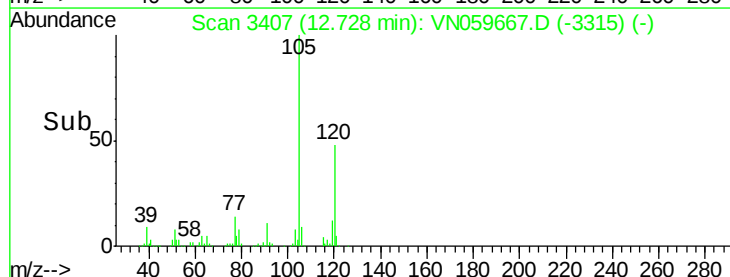
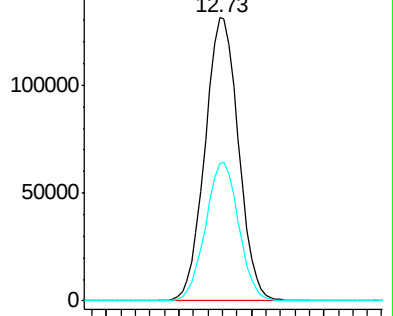
105 100

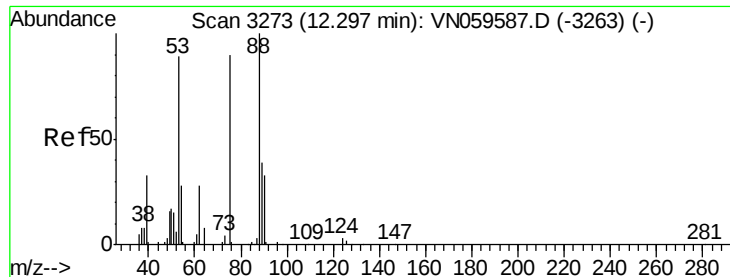
120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.381 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampled :

VN1219WBS01

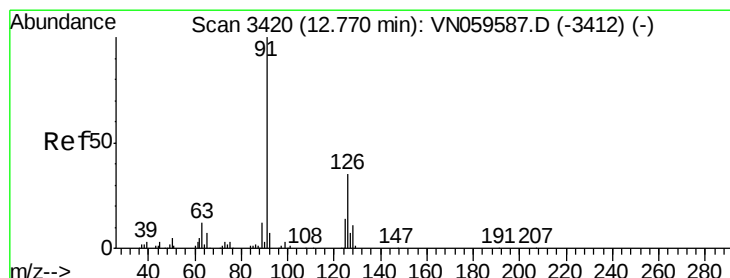
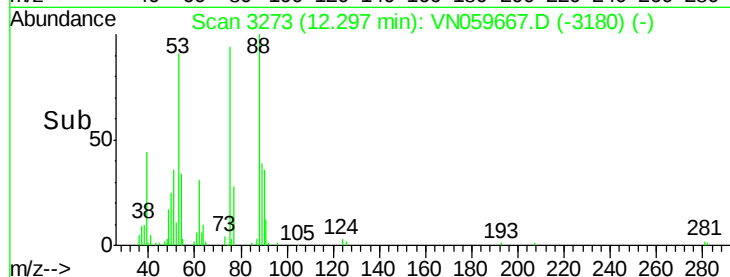
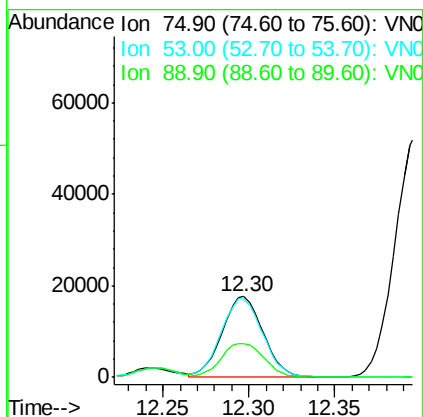
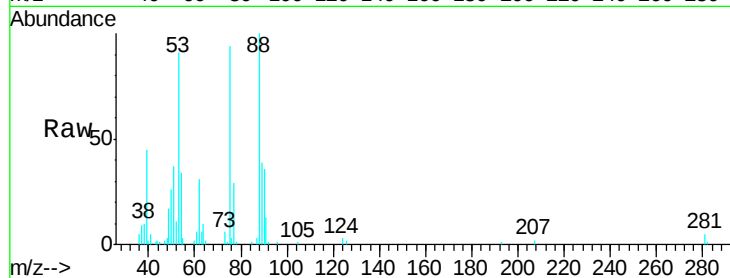
Tgt Ion: 75 Resp: 29531

Ion Ratio Lower Upper

75 100

53 99.0 78.1 117.1

89 43.8 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.646 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059667.D

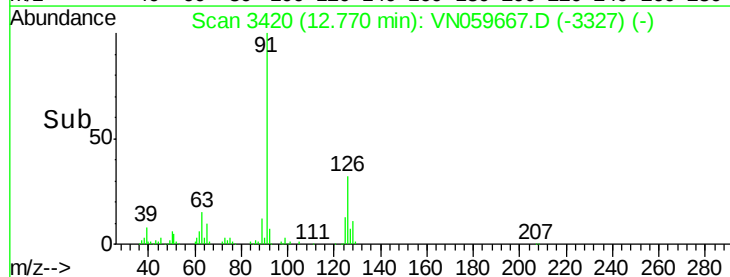
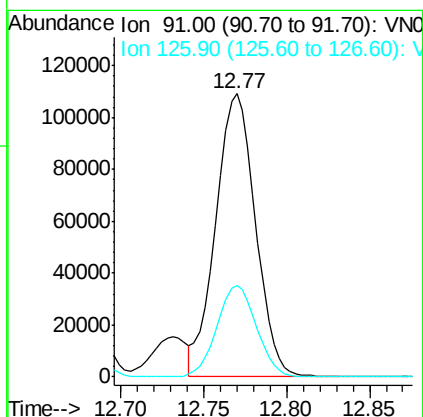
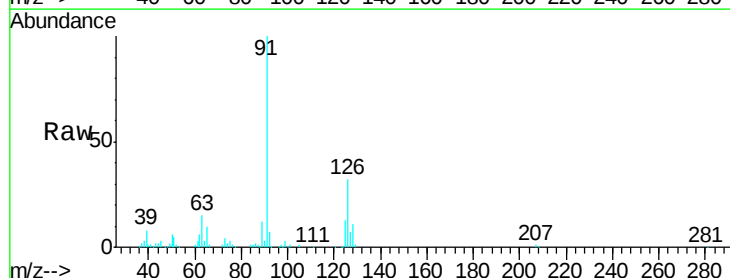
Acq: 19 Dec 2019 13:23

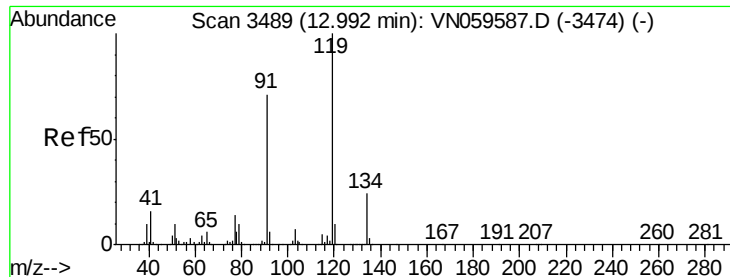
Tgt Ion: 91 Resp: 180918

Ion Ratio Lower Upper

91 100

126 32.2 16.3 48.8

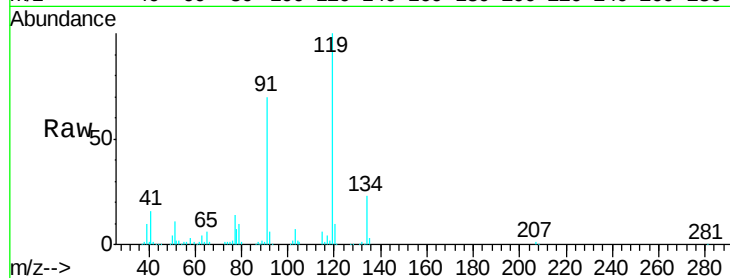




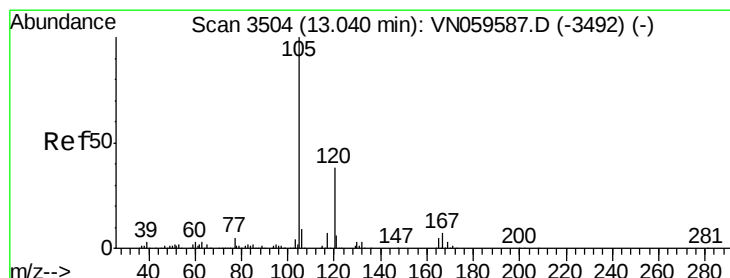
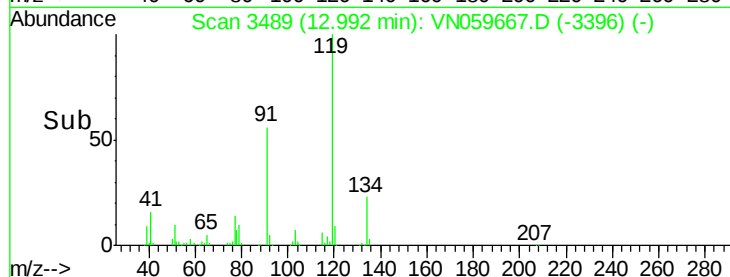
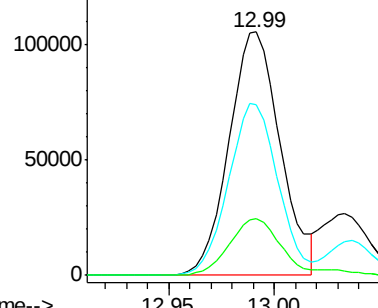
#83
 tert-Butylbenzene
 Concen: 19.794 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBS01

Tgt Ion:119 Resp: 178493
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.8 104.4
 134 23.1 12.3 36.9

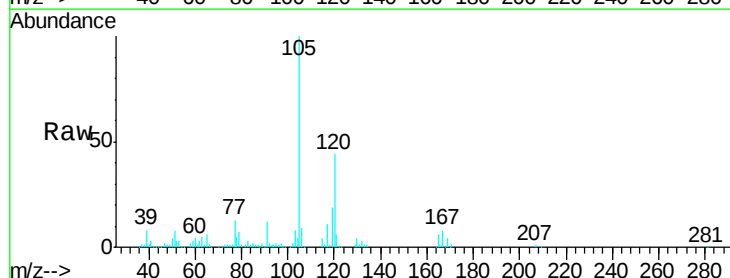


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

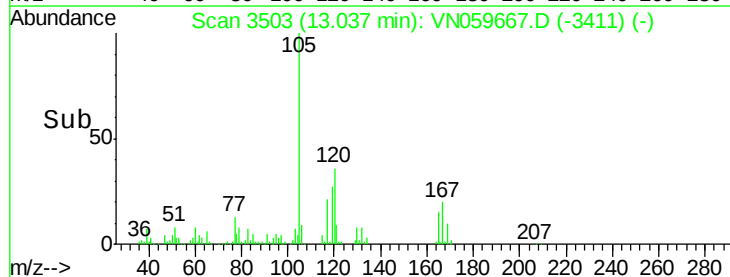
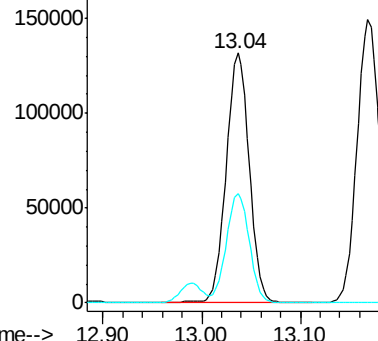


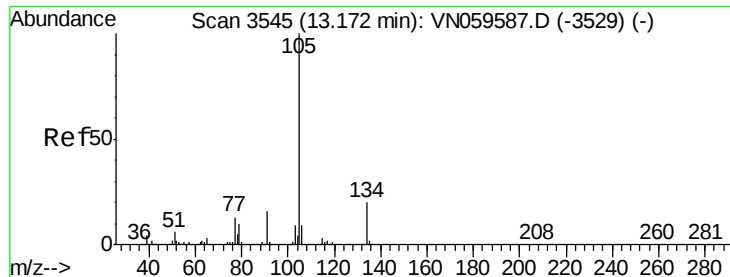
#84
 1,2,4-Trimethylbenzene
 Concen: 20.035 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion:105 Resp: 212131
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.3 66.9



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

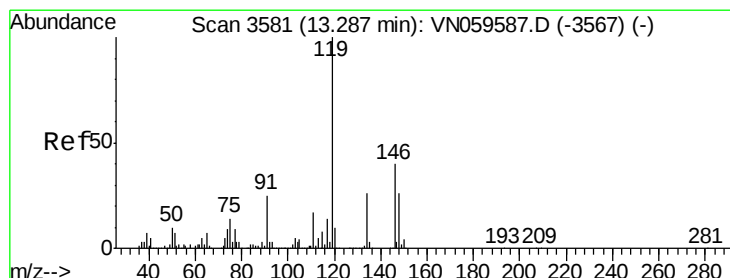
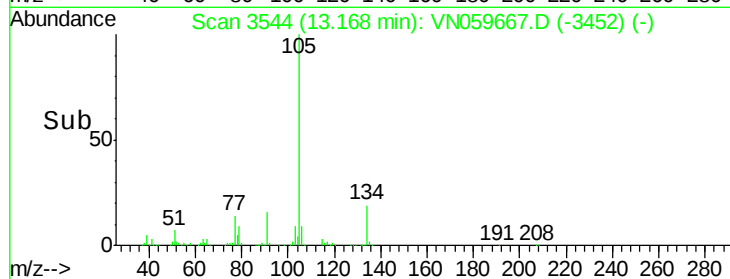
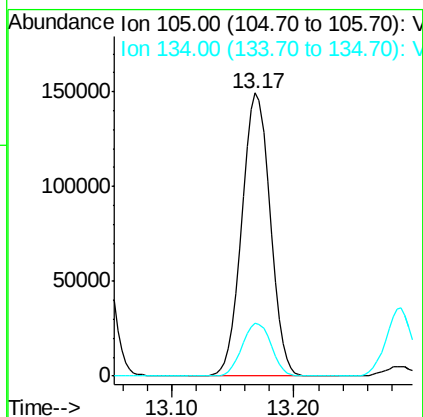
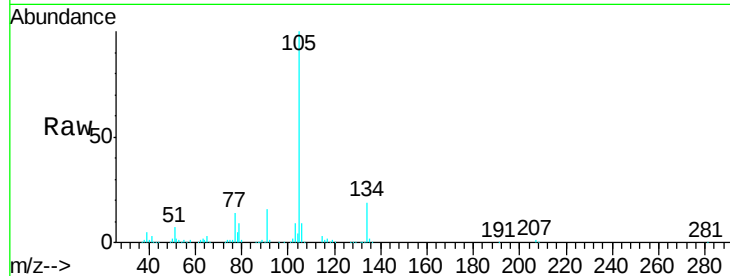




#85
 sec-Butylbenzene
 Concen: 19.887 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

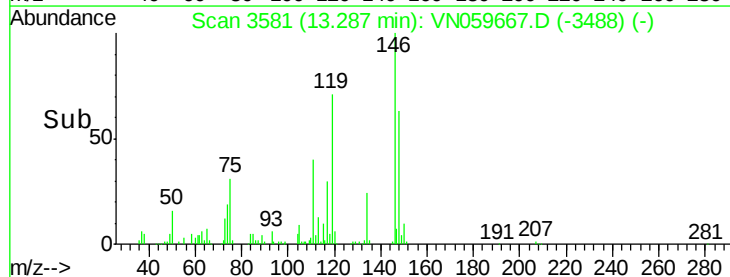
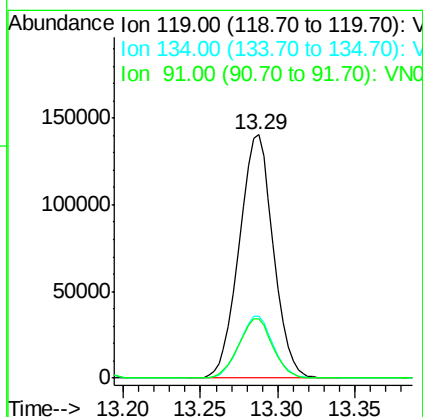
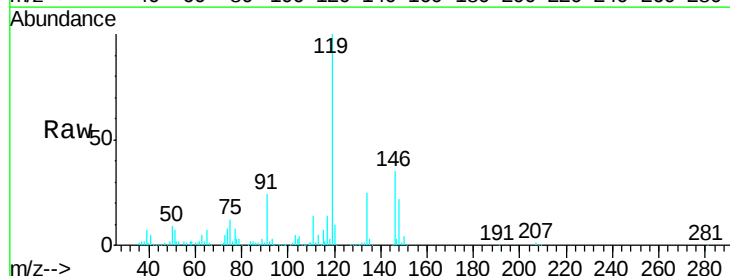
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

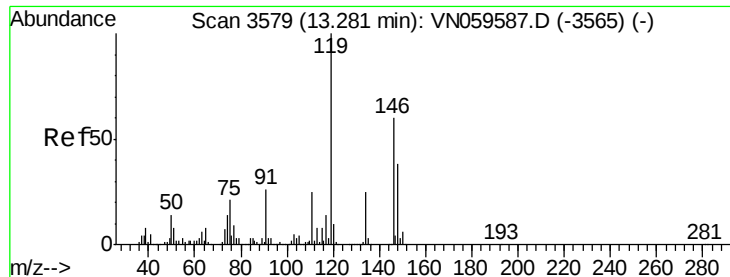
Tgt Ion:105 Resp: 238553
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.667 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion:119 Resp: 213671
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 24.5 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 18.786 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

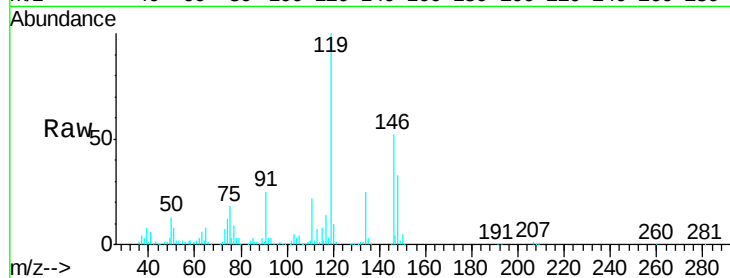
Tgt Ion:146 Resp: 106895

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.2

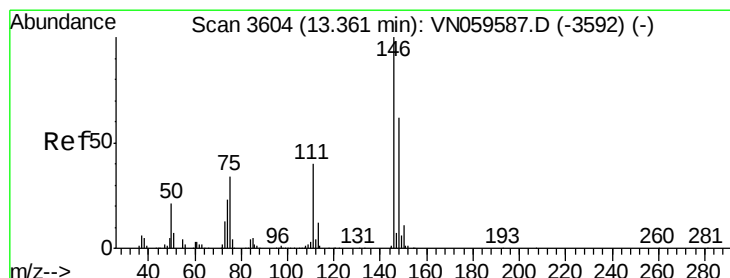
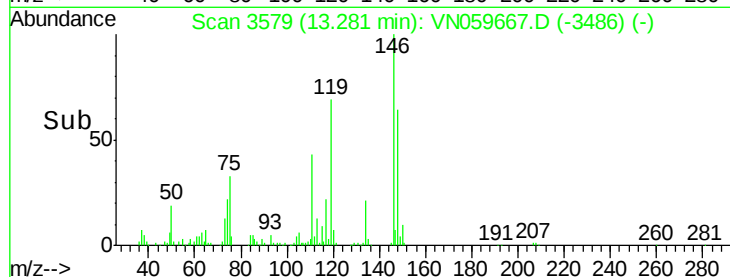
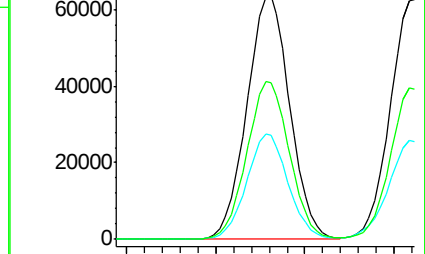
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.439 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

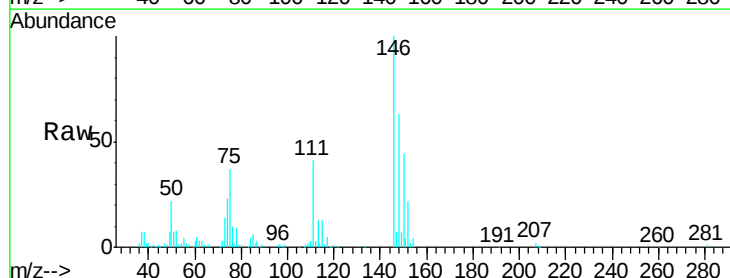
Tgt Ion:146 Resp: 105786

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.2

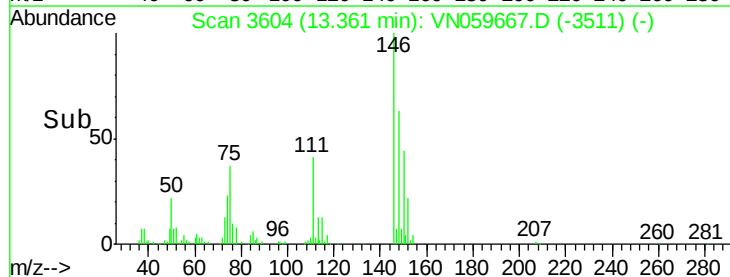
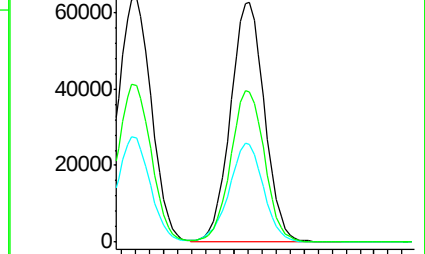
148 63.2 31.8 95.4

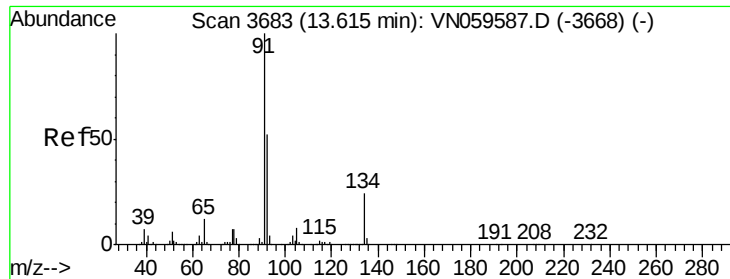


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.609 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

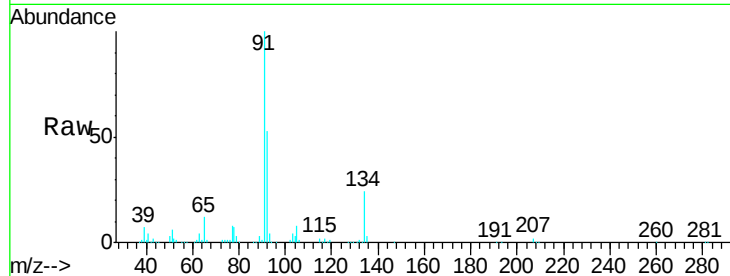
Tgt Ion: 91 Resp: 189544

Ion Ratio Lower Upper

91 100

92 51.3 25.9 77.7

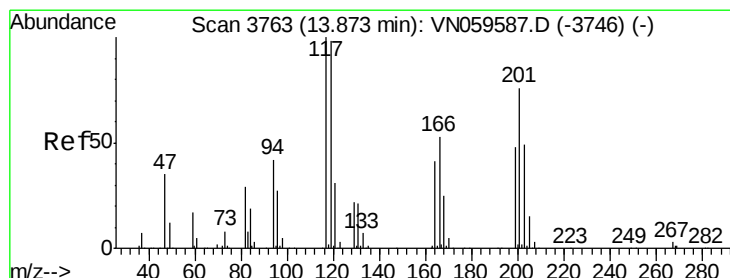
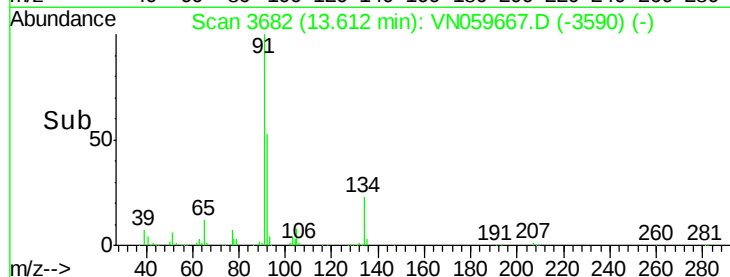
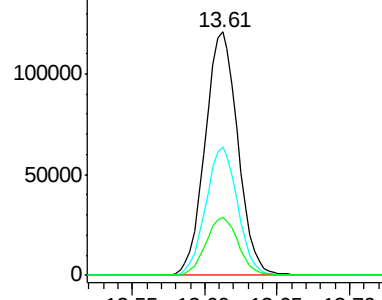
134 23.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.337 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059667.D

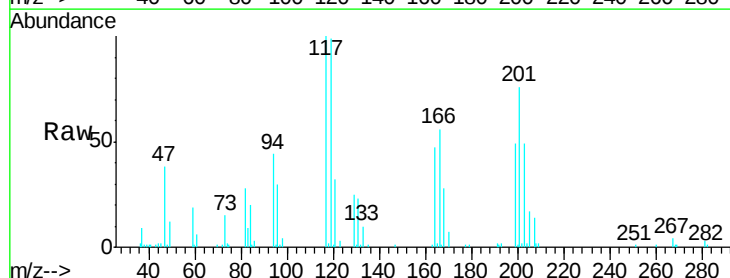
Acq: 19 Dec 2019 13:23

Tgt Ion: 117 Resp: 39710

Ion Ratio Lower Upper

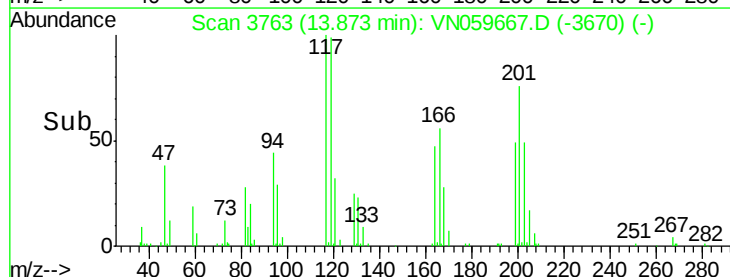
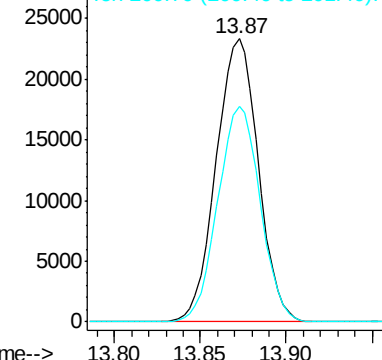
117 100

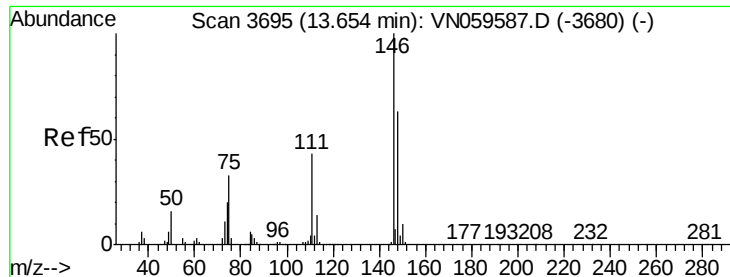
201 76.6 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.643 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

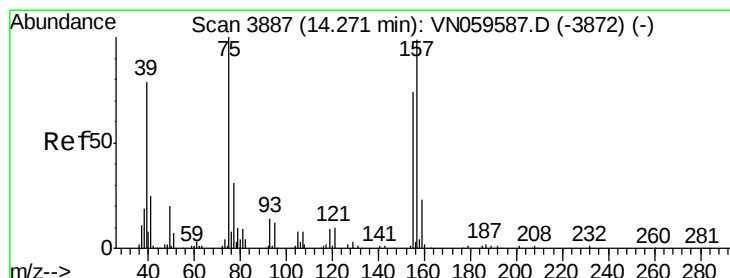
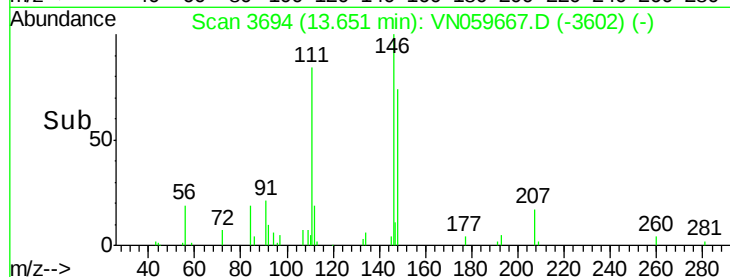
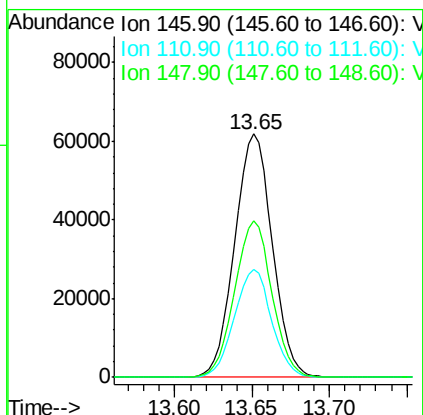
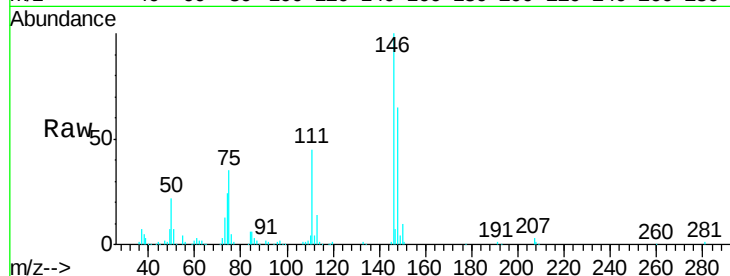
Instrument :

MSVOA_N

ClientSampleId :

VN1219WBS01

Tgt Ion:	146	Resp:	104618
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	63.7	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.250 ug/l

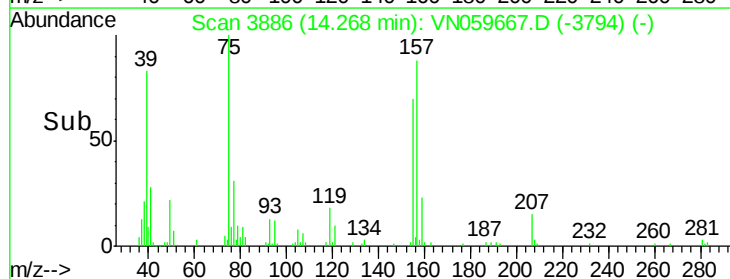
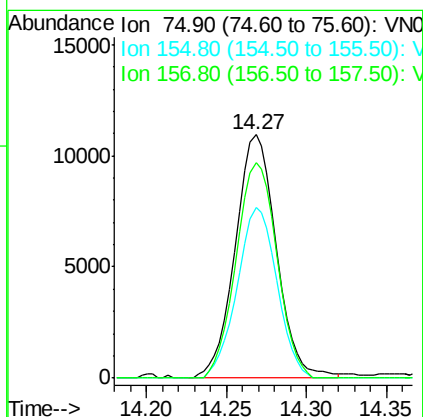
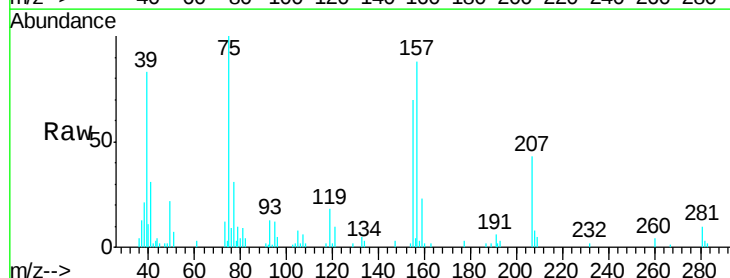
RT: 14.27 min Scan# 3886

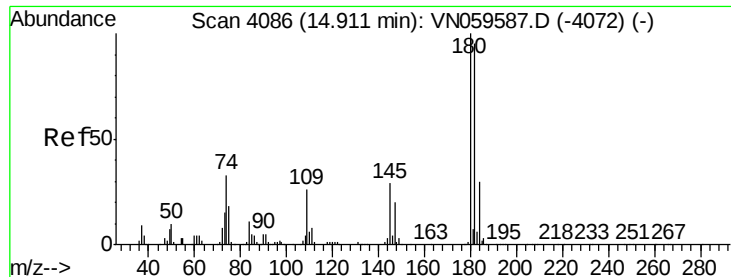
Delta R.T. -0.00 min

Lab File: VN059667.D

Acq: 19 Dec 2019 13:23

Tgt Ion:	75	Resp:	19166
Ion	Ratio	Lower	Upper
75	100		
155	67.6	37.0	110.9
157	87.5	48.4	145.2

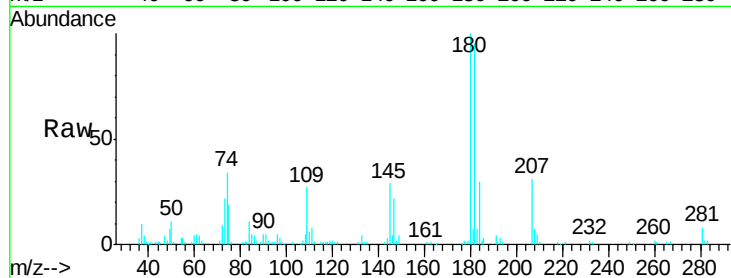




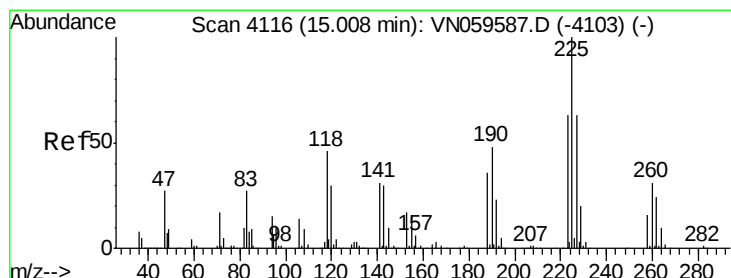
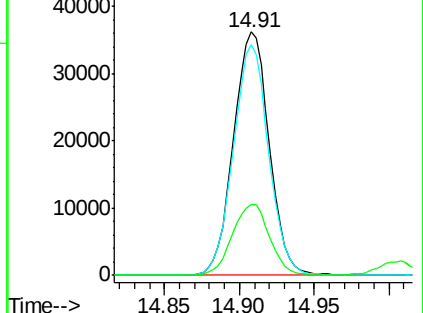
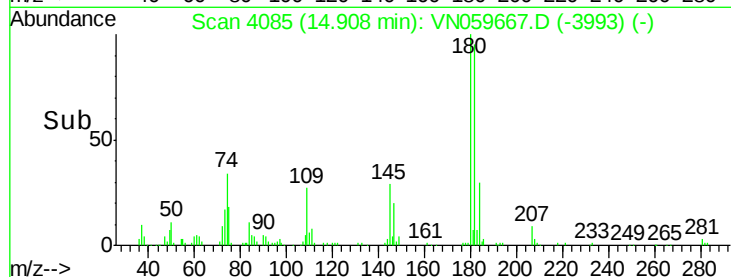
#93
 1,2,4-Trichlorobenzene
 Concen: 16.615 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBS01

Tgt Ion:180 Resp: 60206
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.9 140.7
 145 30.4 15.0 45.1

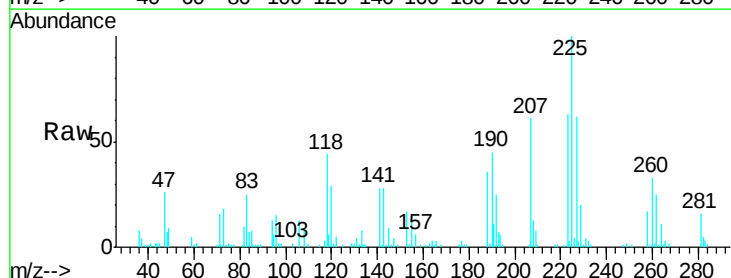


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

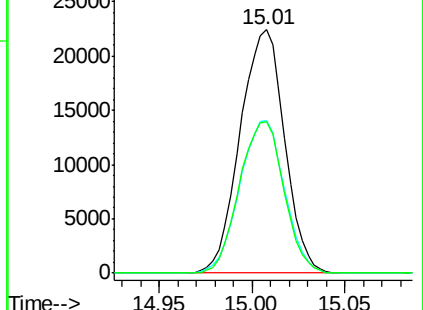
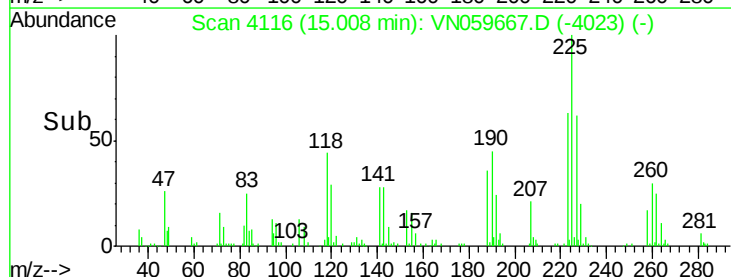


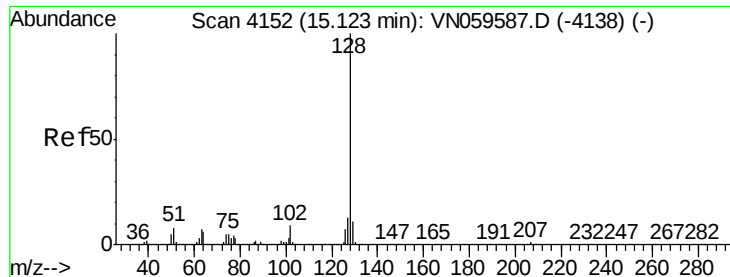
#94
 Hexachlorobutadiene
 Concen: 20.015 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059667.D
 Acq: 19 Dec 2019 13:23

Tgt Ion:225 Resp: 37327
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.8 95.3
 227 62.0 32.1 96.5



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

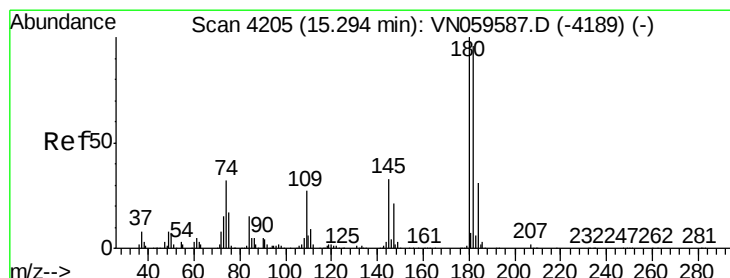
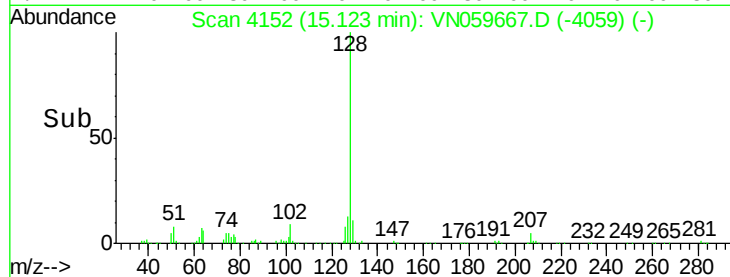
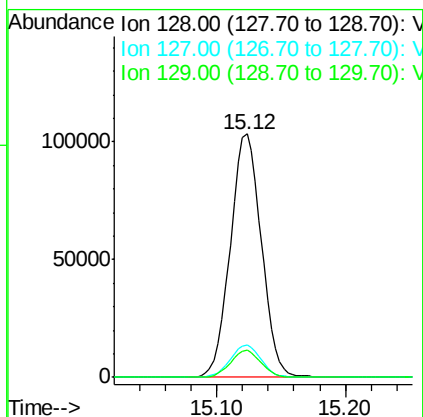
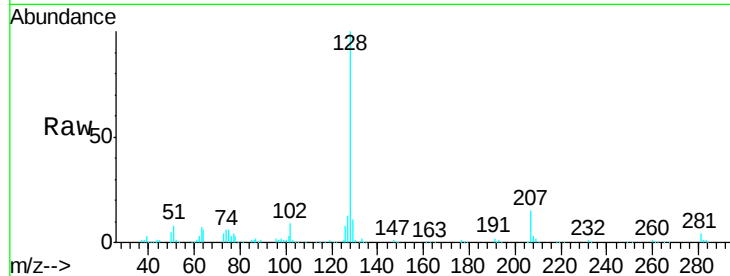




#95
Naphthalene
Concen: 15.982 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VN1219WBS01

Tgt Ion:128 Resp: 172888
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.367 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059667.D
Acq: 19 Dec 2019 13:23

Tgt Ion:180 Resp: 59987
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.3
145 32.3 16.3 48.9

