

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058907.D
 Acq On : 22 Oct 2019 14:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 01:21:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	63073	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	537283	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	512451	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	248579	46.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	154.80%
60) 4-Bromofluorobenzene	12.40	95	262256	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	10.08	98	708182	29.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	209785	61.387	ug/l 98
3) Chloromethane	2.04	50	247557	54.231	ug/l 98
4) Vinyl Chloride	2.17	62	252179	53.451	ug/l 98
5) Bromomethane	2.54	94	154391	53.002	ug/l 97
6) Chloroethane	2.68	64	161850	54.577	ug/l 100
7) Trichlorofluoromethane	3.00	101	313341	53.959	ug/l 98
8) Diethyl Ether	3.39	74	110922	50.082	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174824	52.030	ug/l 99
10) 1,1-Dichloroethene	3.72	96	162646	49.285	ug/l 98
11) Methyl Iodide	3.93	142	232965	50.689	ug/l 98
12) Methyl Acetate	4.30	43	266226	50.422	ug/l 96
13) Acrolein	3.58	56	113476	194.512	ug/l 97
14) Acrylonitrile	4.96	53	524415	252.070	ug/l 99
15) Acetone	3.79	58	170339	275.831	ug/l 99
16) Carbon Disulfide	4.03	76	498043	51.742	ug/l 99
17) Allyl chloride	4.30	41	298919	45.508	ug/l 99
18) Methylene Chloride	4.53	84	197461	49.412	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	182165	50.705	ug/l 98
20) Diisopropyl ether	5.93	45	691685	51.685	ug/l 93
21) 1,1-Dichloroethane	5.82	63	381601	51.494	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	210369	49.111	ug/l 96
23) tert-Butyl Alcohol	4.76	59	190426	223.781	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	602844	48.966	ug/l 100
25) Chloroform	7.35	83	376628	50.958	ug/l 97
26) Cyclohexane	7.63	56	338354	52.019	ug/l # 98
29) 1,1-Dichloropropene	7.77	75	285254	33.727	ug/l 100
30) 2-Butanone	6.81	43	796549	166.663	ug/l 99
31) 2,2-Dichloropropane	6.80	77	336821	33.788	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	325863	33.313	ug/l 100
33) Carbon Tetrachloride	7.76	117	282417	33.355	ug/l 99
34) Benzene	8.02	78	834904	33.531	ug/l 97
35) Methacrylonitrile	7.19	41	451645	106.972	ug/l # 65
36) 1,2-Dichloroethane	8.11	62	319792	33.592	ug/l 98
37) Trichloroethene	8.82	130	199345	32.589	ug/l 100
38) Methylcyclohexane	9.07	83	323999	33.041	ug/l 98
39) 1,2-Dichloropropane	9.11	63	228452	33.573	ug/l 98
40) Dibromomethane	9.20	93	144632	33.670	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	300587	34.252	ug/l	100
42) Vinyl Acetate	5.87	43	2950603	176.276	ug/l	100
43) Ethyl Acetate	6.91	43	305700	32.588	ug/l	95
44) Isopropyl Acetate	8.15	43	498349	32.797	ug/l	99
45) 1,4-Dioxane	9.19	88	69529	595.905	ug/l	97
46) Methyl methacrylate	9.19	41	231004	33.115	ug/l	98
47) n-amyl Acetate	12.07	43	454819	33.765	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	339856	33.392	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	364469	34.102	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	205139	33.452	ug/l	98
51) Ethyl methacrylate	10.43	69	322707	32.910	ug/l	98
52) 1,3-Dichloropropane	10.70	76	360043	32.968	ug/l	99
53) Dibromochloromethane	10.90	129	226361	34.396	ug/l	99
54) 1,2-Dibromoethane	11.00	107	211883	33.335	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	695846	142.662	ug/l	100
56) Bromoform	12.13	173	159001	34.683	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	1611052	172.333	ug/l	99
59) 2-Hexanone	10.75	43	1220710	166.561	ug/l	100
61) Tetrachloroethene	10.63	164	180528	32.600	ug/l	99
62) Toluene	10.15	91	898661	32.601	ug/l	99
64) Chlorobenzene	11.43	112	541548	32.134	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	202557	32.054	ug/l	99
66) Ethyl Benzene	11.51	91	999666	32.752	ug/l	99
67) m/p-Xylenes	11.62	106	740061	64.899	ug/l	98
68) o-Xylene	11.95	106	352588	31.894	ug/l	98
69) Styrene	11.96	104	594774	32.567	ug/l	99
70) Isopropylbenzene	12.25	105	973377	32.613	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	320046	31.852	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	436277	47.918	ug/l	59
73) Bromobenzene	12.53	156	229061	31.597	ug/l	98
74) n-propylbenzene	12.59	91	1187960	34.005	ug/l	100
75) 2-Chlorotoluene	12.68	91	694866	33.059	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	848116	33.177	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	115315	33.247	ug/l	96
78) 4-Chlorotoluene	12.78	91	718668	33.174	ug/l	99
79) tert-butylbenzene	13.00	119	707047	32.374	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	847746	33.374	ug/l	100
81) sec-Butylbenzene	13.17	105	973130	33.109	ug/l	100
82) p-Isopropyltoluene	13.29	119	875750	33.181	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	428988	32.702	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	419486	32.015	ug/l	98
85) n-Butylbenzene	13.62	91	802255	33.200	ug/l	99
86) Hexachloroethane	13.88	117	161283	33.578	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	421806	32.571	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68663	30.702	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	241293	29.508	ug/l	100
90) Hexachlorobutadiene	15.01	225	132529	31.386	ug/l	100
91) Naphthalene	15.13	128	667283	27.639	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	234648	29.478	ug/l	98

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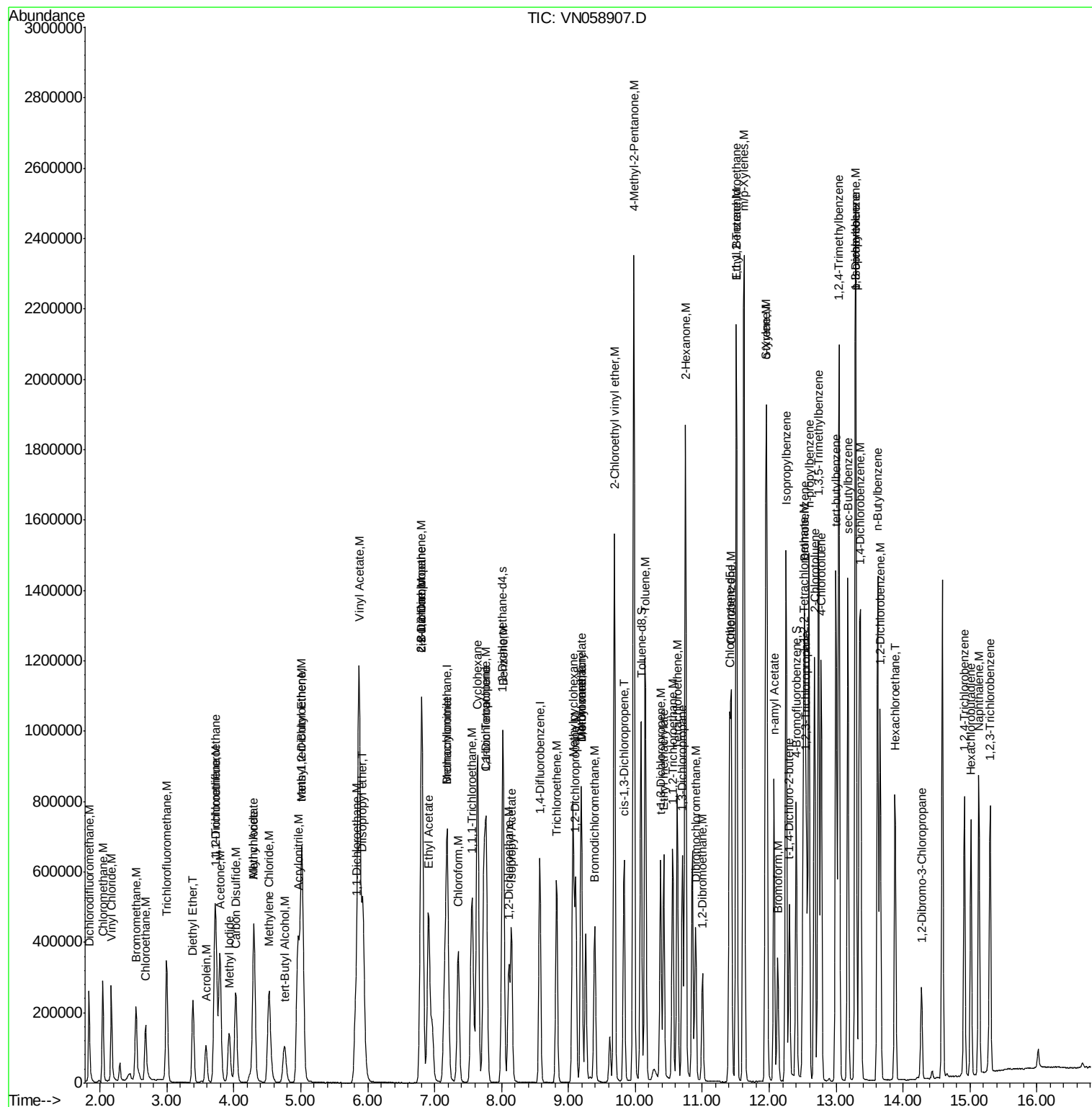
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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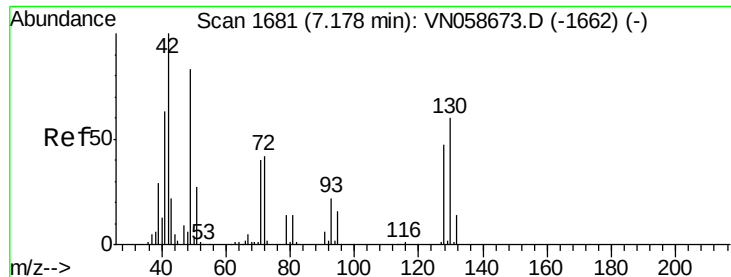
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102319\
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Instrument :
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ClientSampled :

Quant Time: Oct 23 01:21:00 2019
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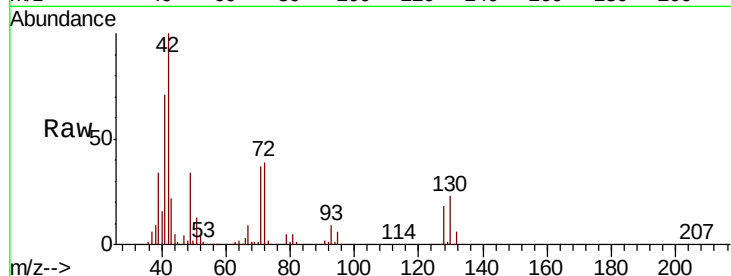




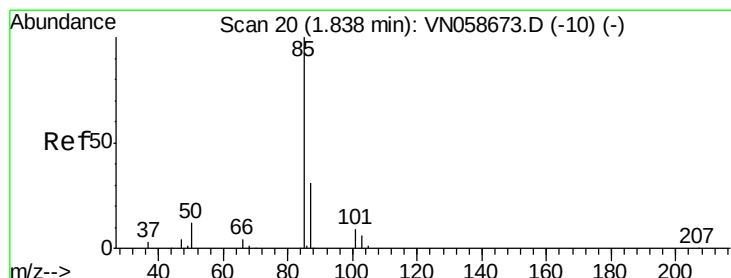
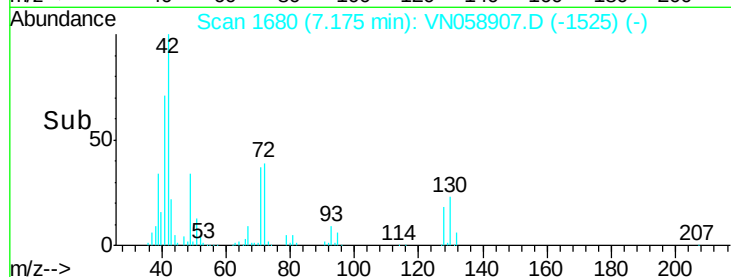
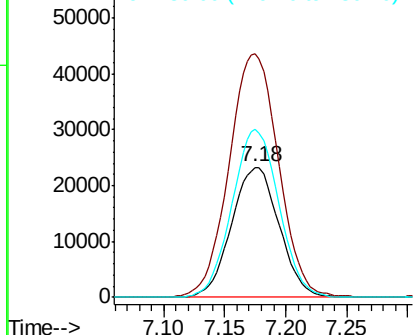
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 63073
Ion Ratio Lower Upper
128 100
49 194.2 0.0 453.5
130 126.9 0.0 314.2

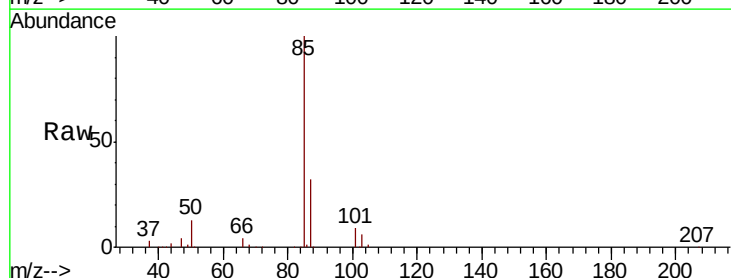


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V

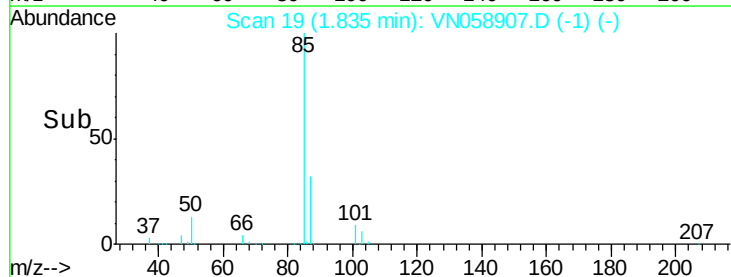
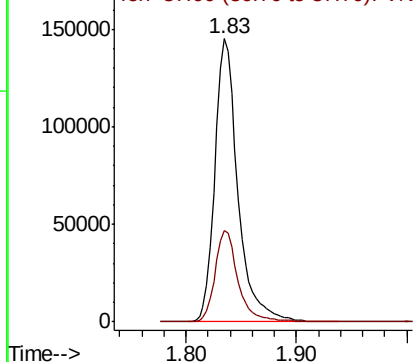


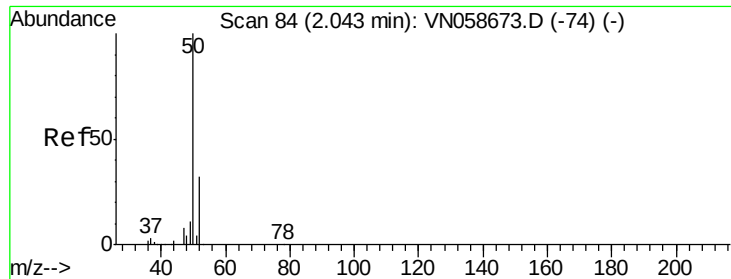
#2
Dichlorodifluoromethane
Concen: 61.387 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 85 Resp: 209785
Ion Ratio Lower Upper
85 100
87 32.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 54.231 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

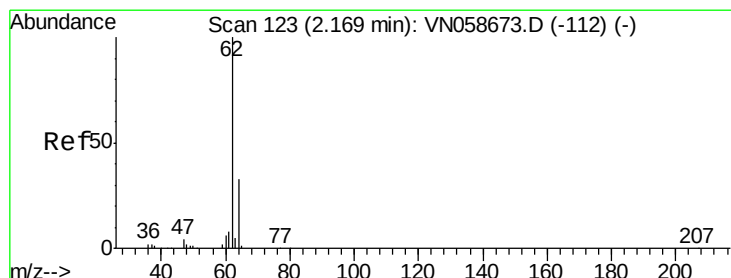
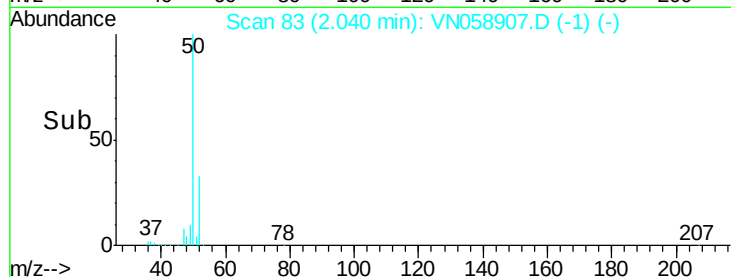
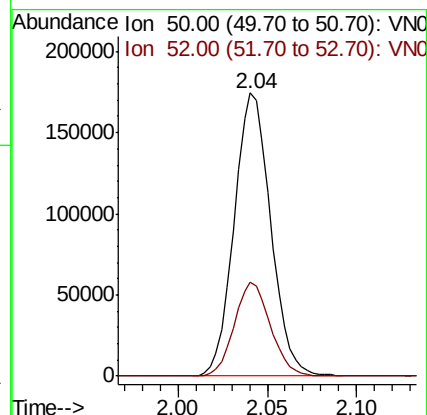
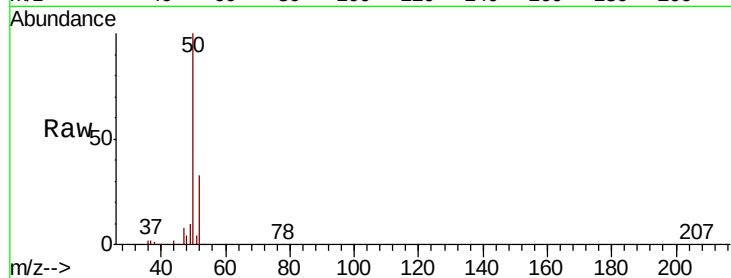
ClientSampleId :

Tot Ion: 50 Resp: 247557

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8



#4

Vinyl Chloride

Concen: 53.451 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058907.D

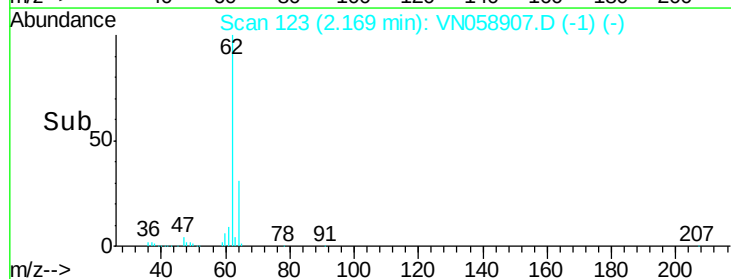
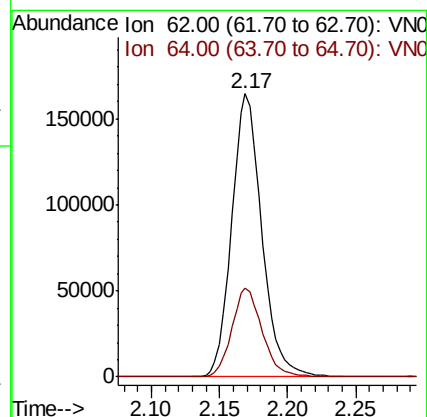
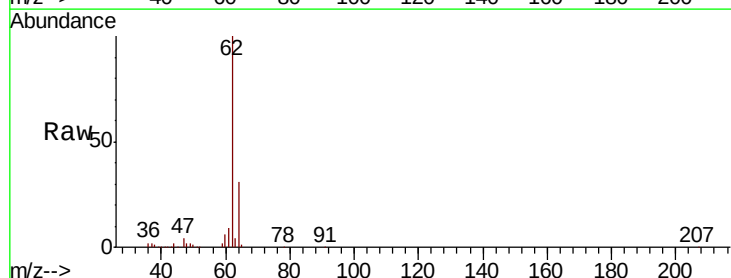
Acq: 22 Oct 2019 14:33

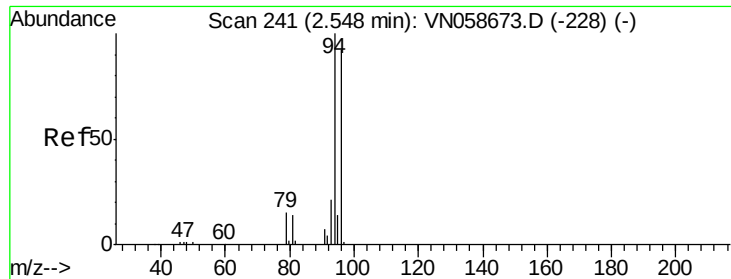
Tgt Ion: 62 Resp: 252179

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 53.002 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

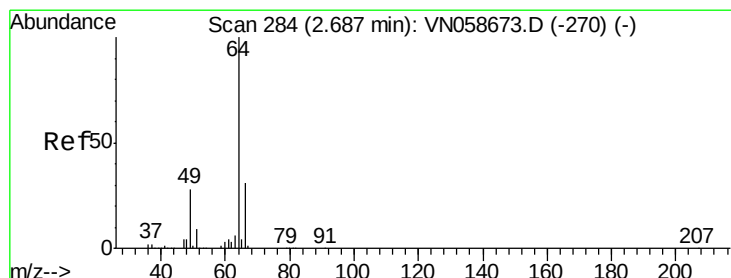
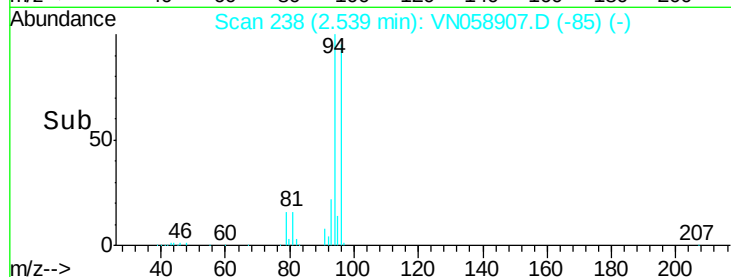
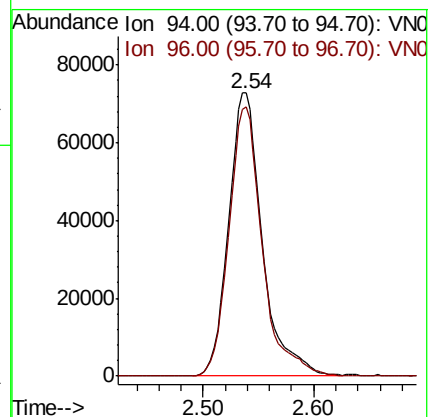
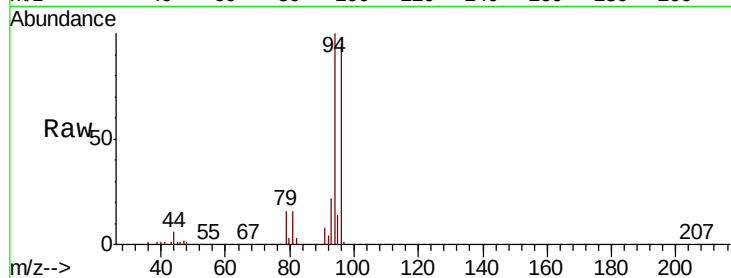
ClientSampled :

Tot Ion: 94 Resp: 154391

Ion Ratio Lower Upper

94 100

96 95.0 73.7 110.5



#6

Chloroethane

Concen: 54.577 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN058907.D

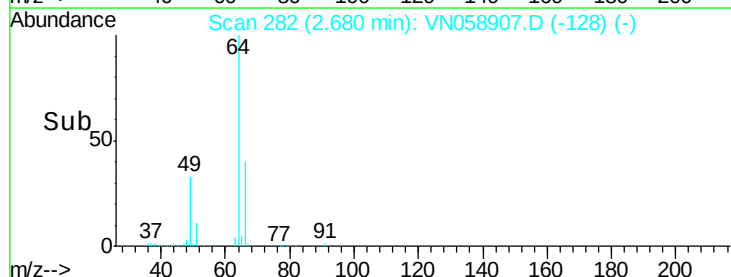
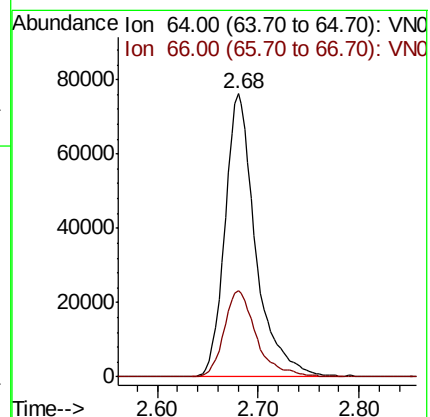
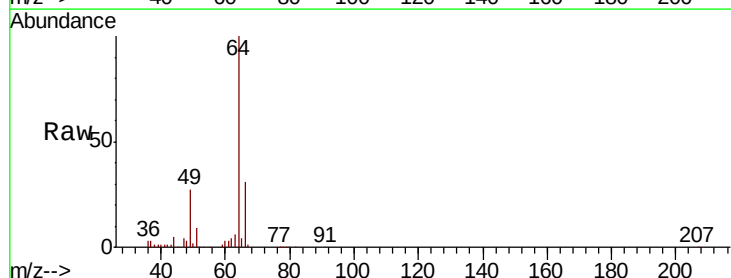
Acq: 22 Oct 2019 14:33

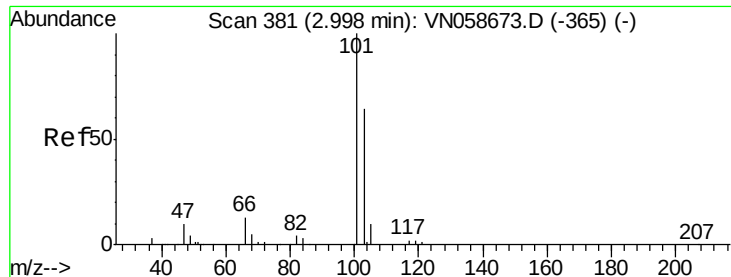
Tgt Ion: 64 Resp: 161850

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8





#7

Trichlorofluoromethane

Concen: 53.959 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

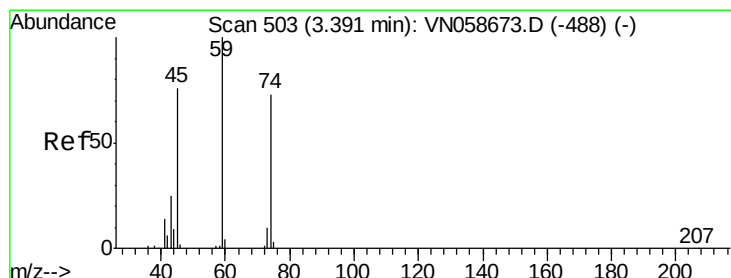
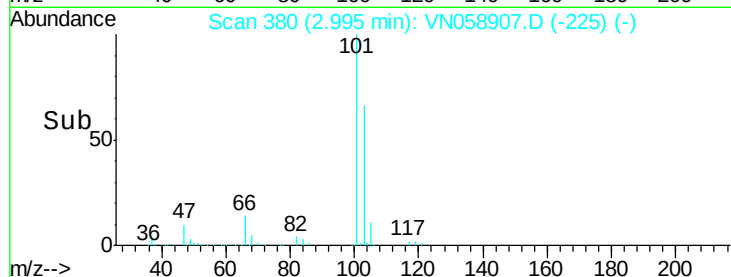
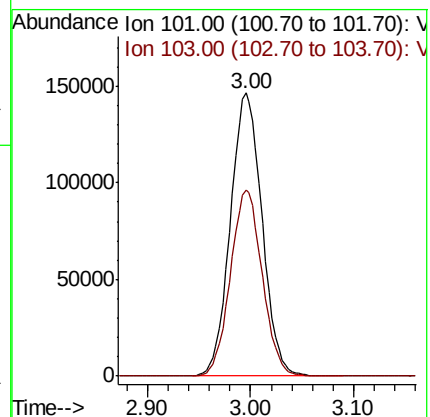
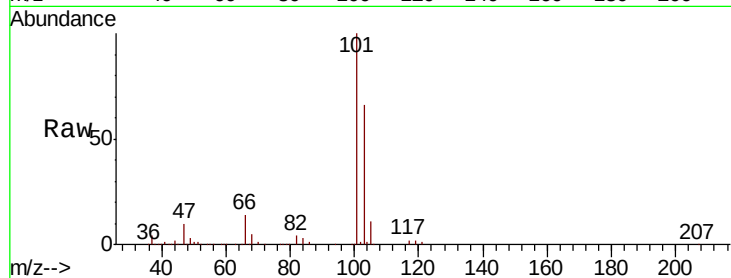
ClientSampled :

Tot Ion:101 Resp: 313341

Ion Ratio Lower Upper

101 100

103 65.7 51.5 77.3



#8

Diethyl Ether

Concen: 50.082 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN058907.D

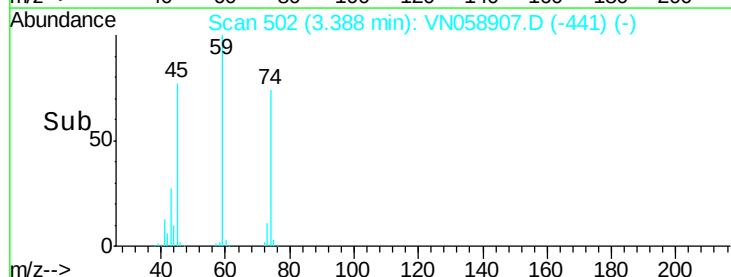
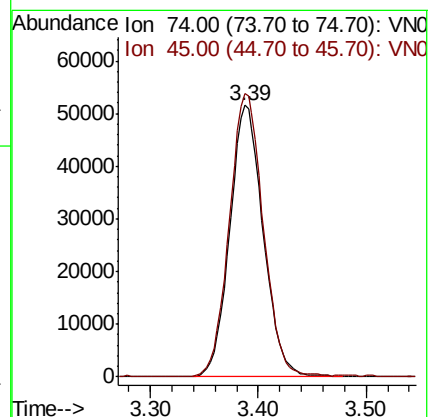
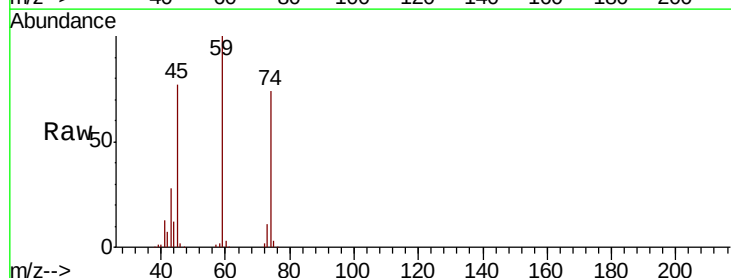
Acq: 22 Oct 2019 14:33

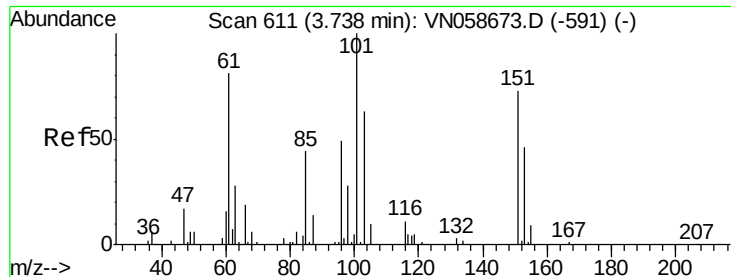
Tgt Ion: 74 Resp: 110922

Ion Ratio Lower Upper

74 100

45 106.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.030 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampled :

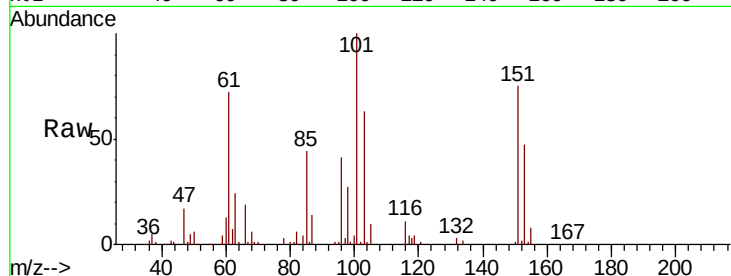
Tot Ion:101 Resp: 174824

Ion Ratio Lower Upper

101 100

85 45.1 0.0 93.8

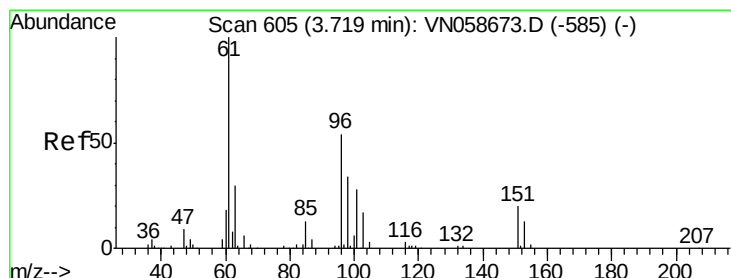
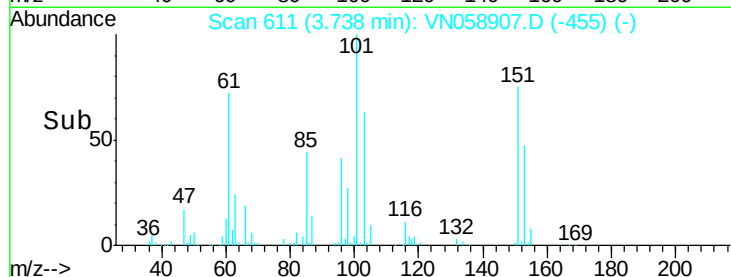
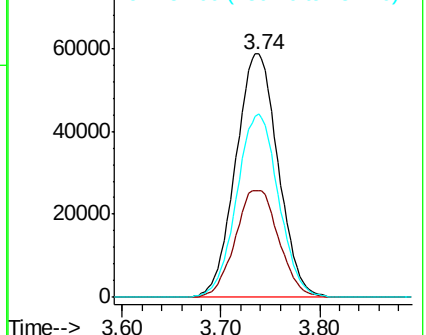
151 74.3 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.285 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

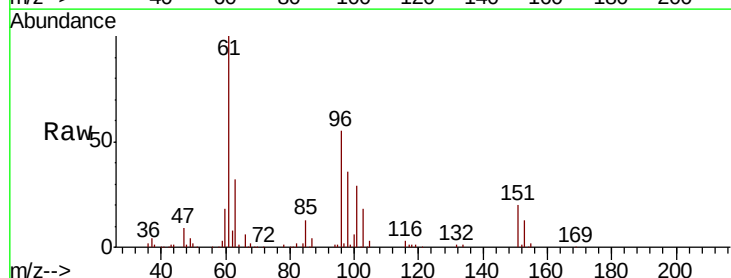
Tgt Ion: 96 Resp: 162646

Ion Ratio Lower Upper

96 100

61 181.9 148.5 222.7

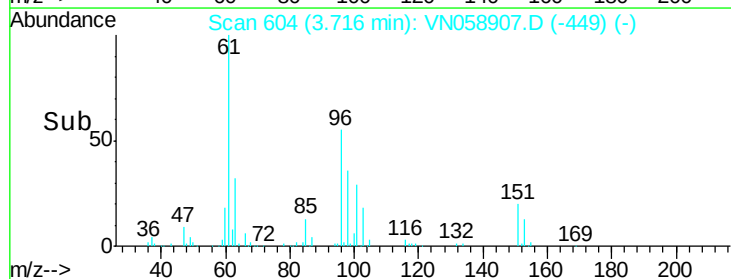
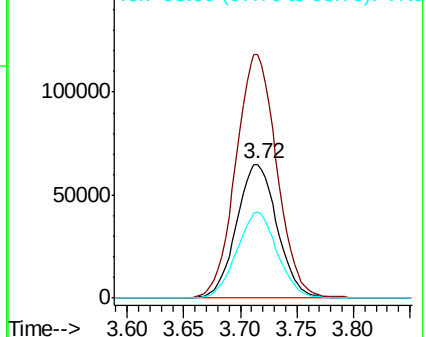
98 64.8 51.0 76.6

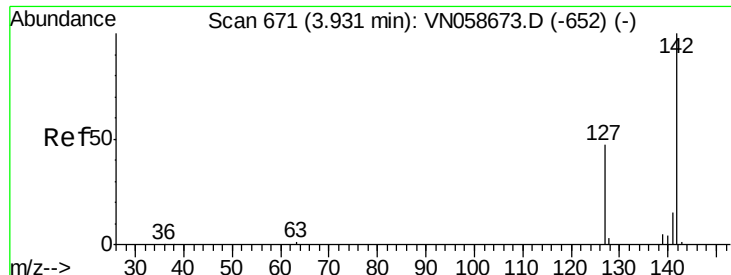


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

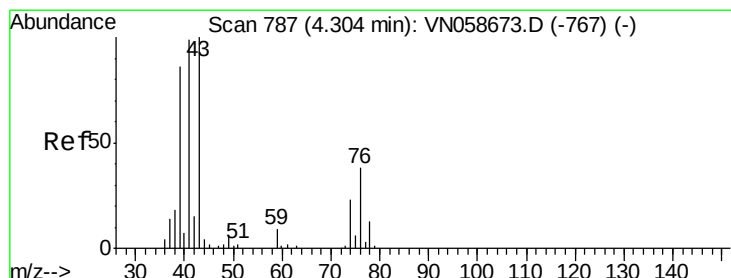
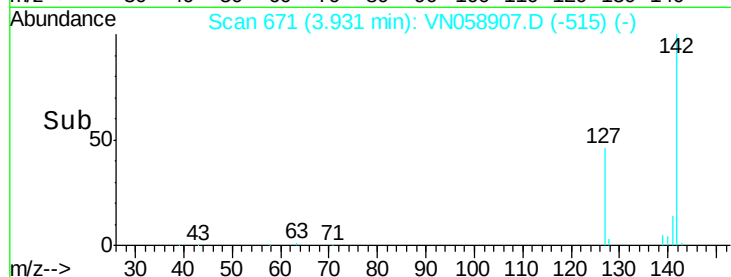
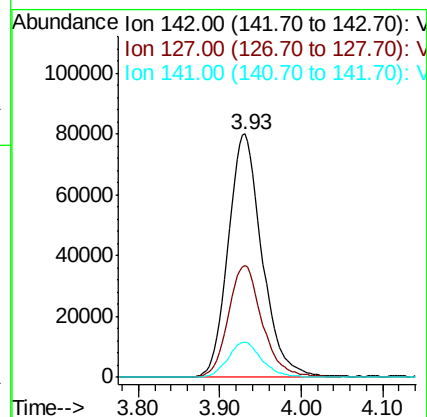
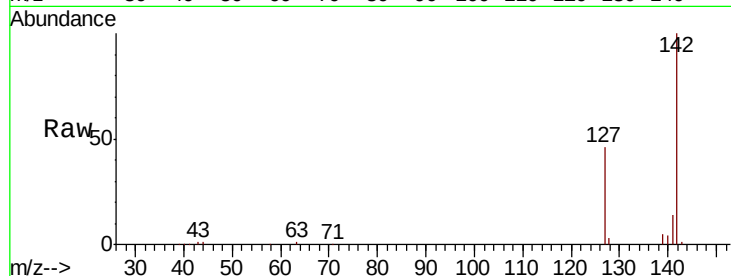




#11
Methyl Iodide
Concen: 50.689 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

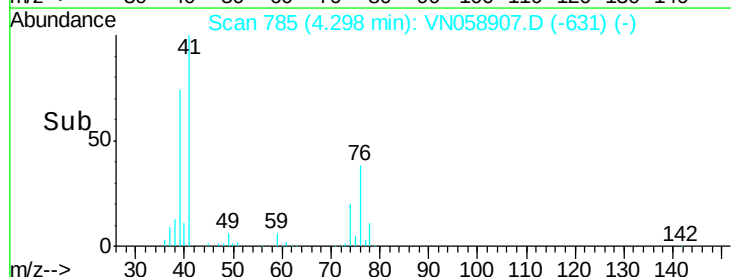
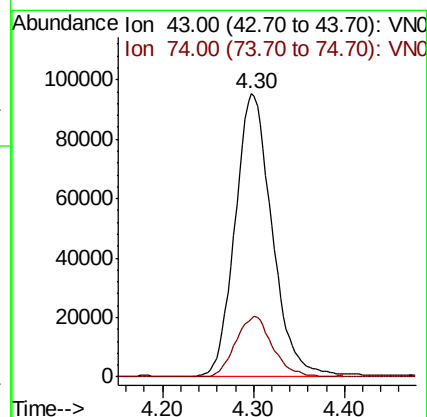
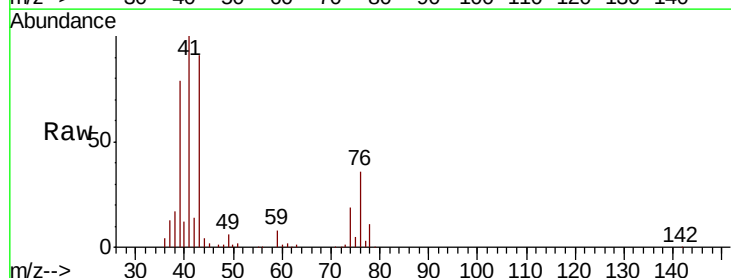
Instrument :
MSVOA_N
ClientSampled :

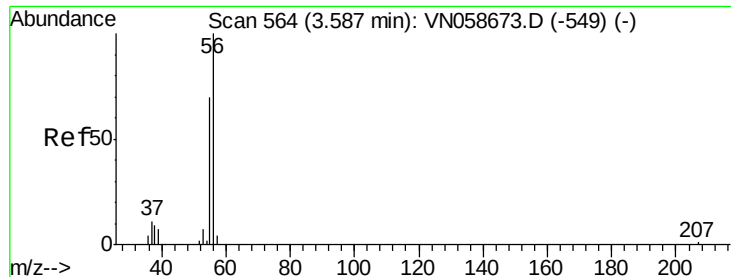
Tot Ion	Ratio	Lower	Upper
142	100		
127	45.8	23.5	70.6
141	14.4	7.4	22.2



#12
Methyl Acetate
Concen: 50.422 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	18.1	27.1





#13

Acrolein

Concen: 194.512 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

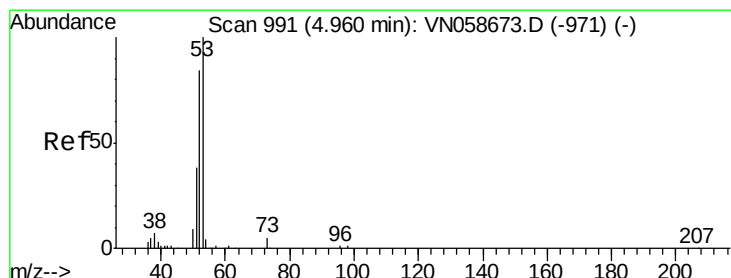
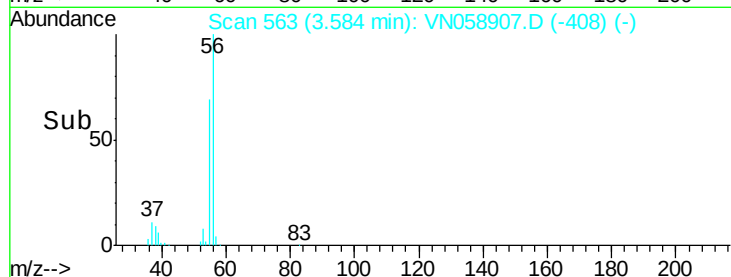
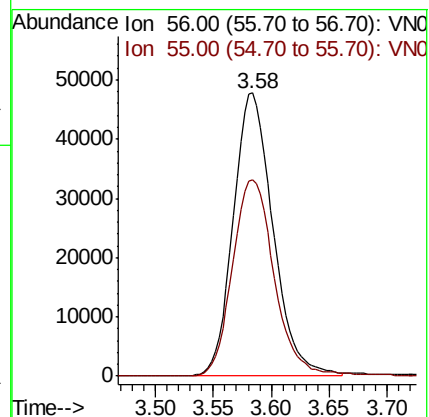
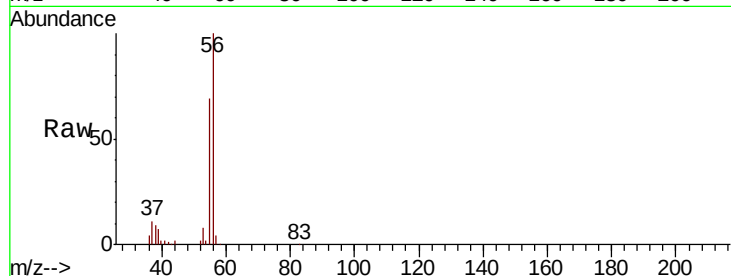
ClientSampled :

Tot Ion: 56 Resp: 113476

Ion Ratio Lower Upper

56 100

55 72.7 55.9 83.9



#14

Acrylonitrile

Concen: 252.070 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

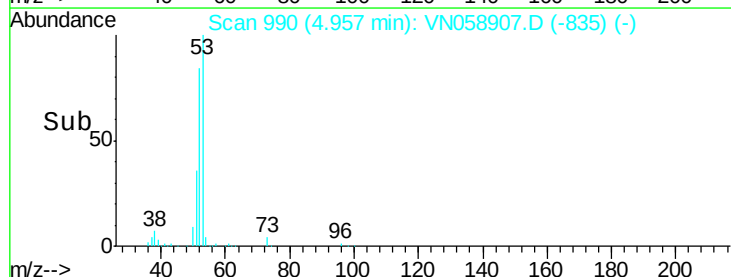
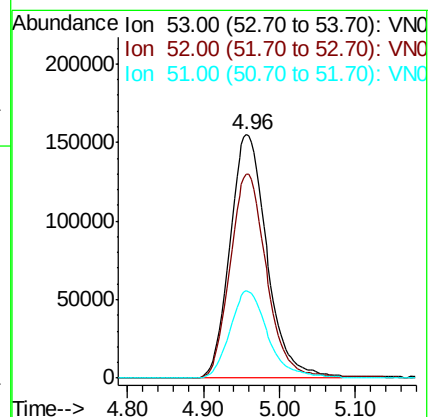
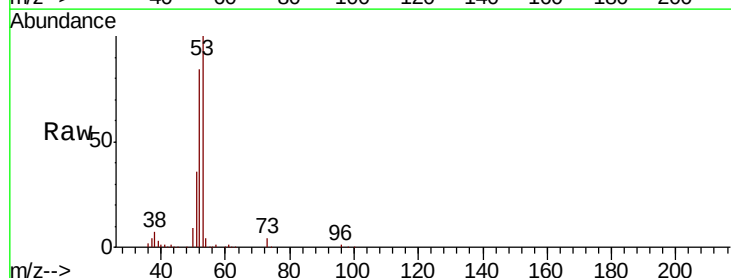
Tgt Ion: 53 Resp: 524415

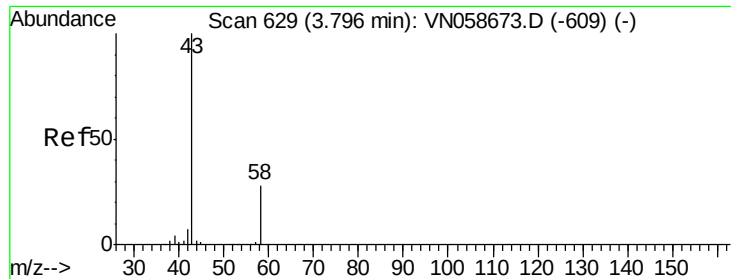
Ion Ratio Lower Upper

53 100

52 83.1 42.2 126.6

51 36.9 18.8 56.4





#15

Acetone

Concen: 275.831 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

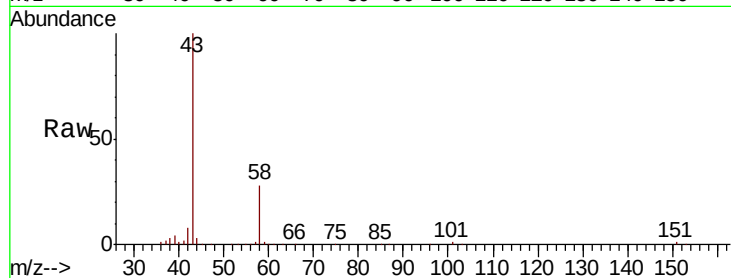
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 170339

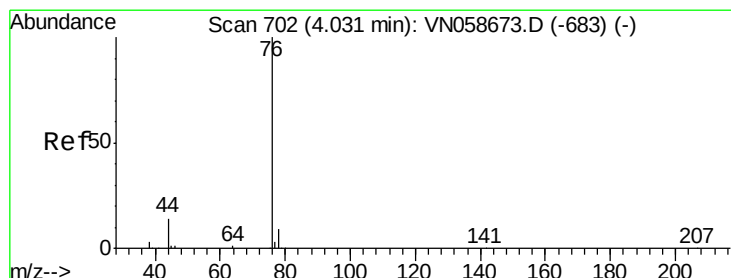
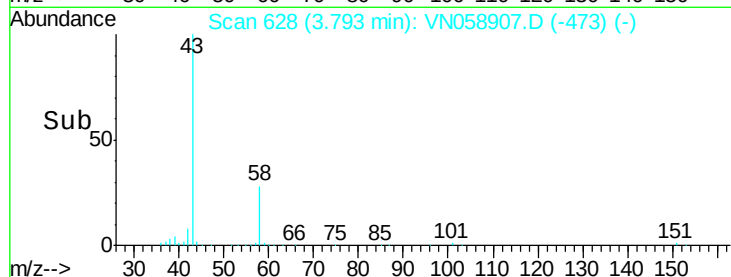
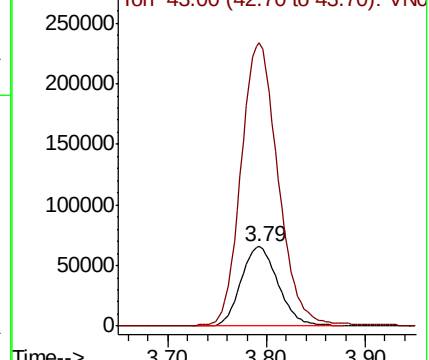
Ion Ratio Lower Upper

58 100

43 354.9 281.7 422.5



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



#16

Carbon Disulfide

Concen: 51.742 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058907.D

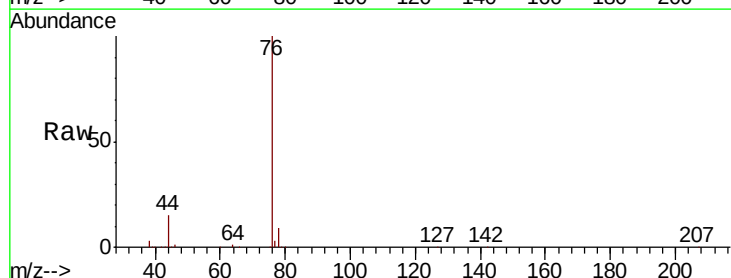
Acq: 22 Oct 2019 14:33

Tgt Ion: 76 Resp: 498043

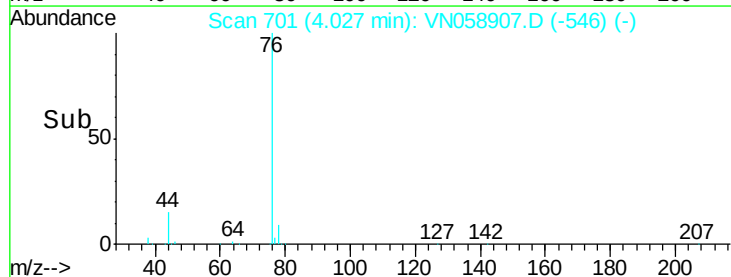
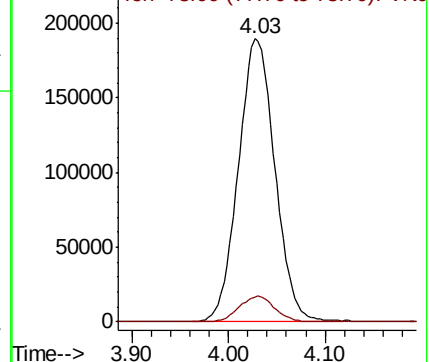
Ion Ratio Lower Upper

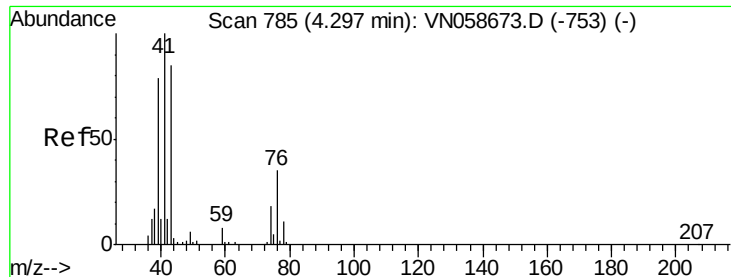
76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

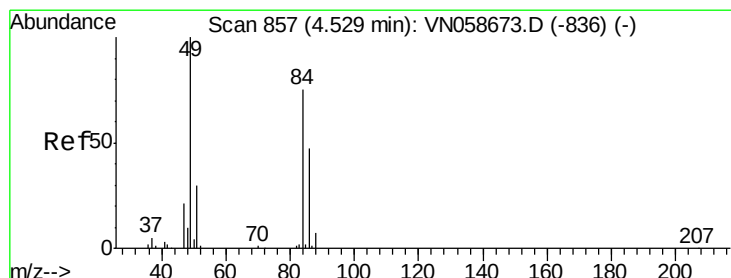
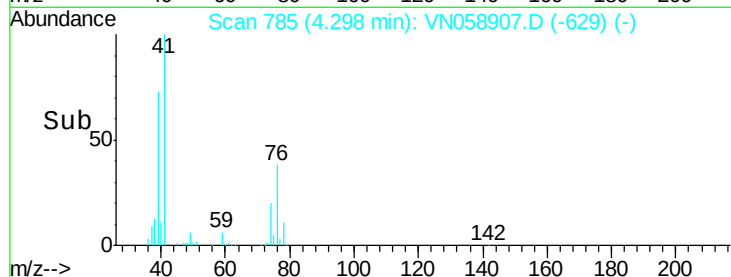
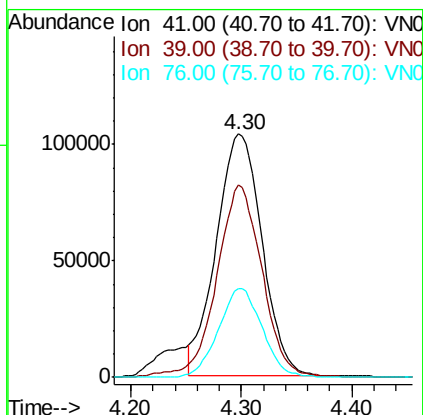
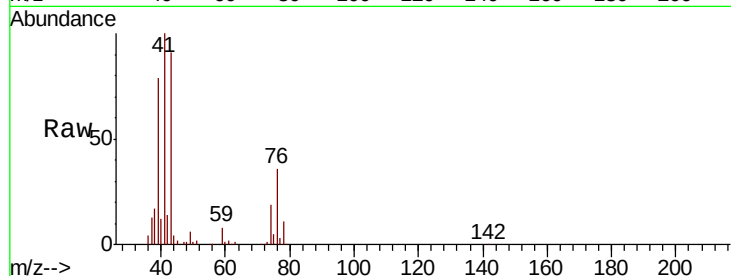




#17
Allvl chloride
Concen: 45.508 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

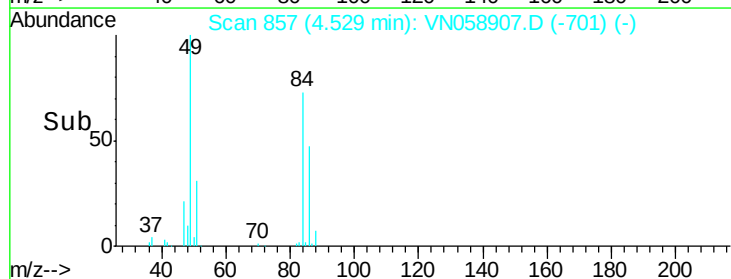
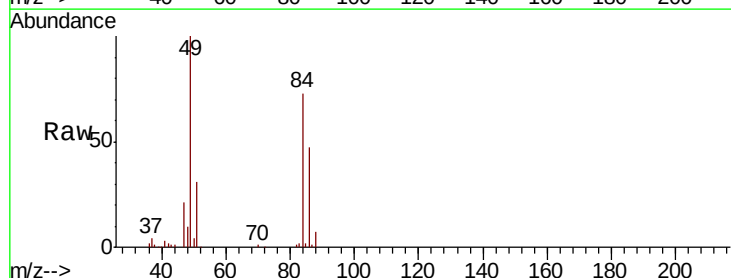
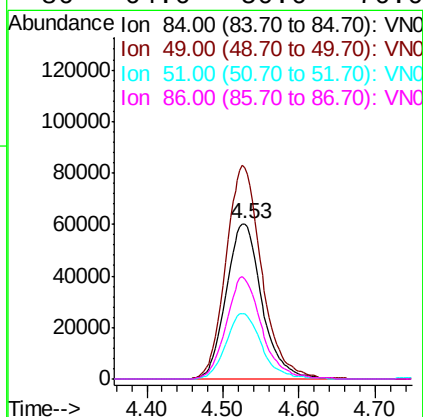
Instrument :
MSVOA_N
ClientSampled :

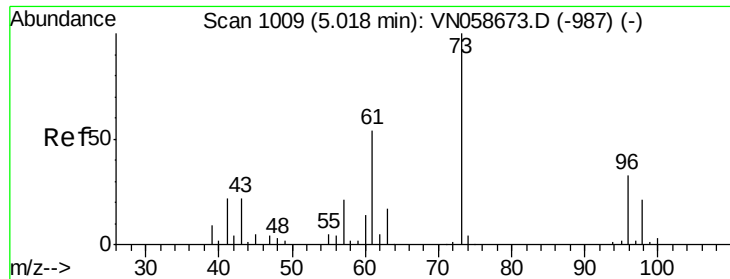
Tot Ion: 41 Resp: 298919
Ion Ratio Lower Upper
41 100
39 79.0 39.6 118.8
76 36.5 17.6 52.9



#18
Methylene Chloride
Concen: 49.412 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 84 Resp: 197461
Ion Ratio Lower Upper
84 100
49 136.3 106.6 160.0
51 41.9 32.4 48.6
86 64.6 50.6 76.0

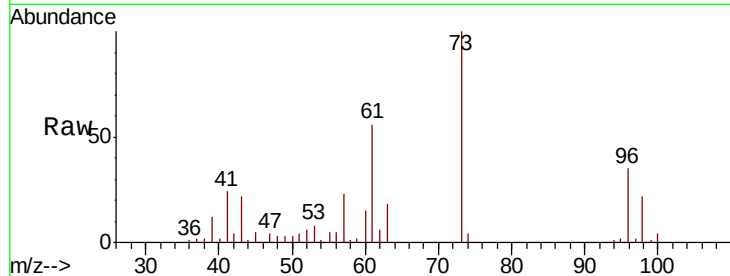




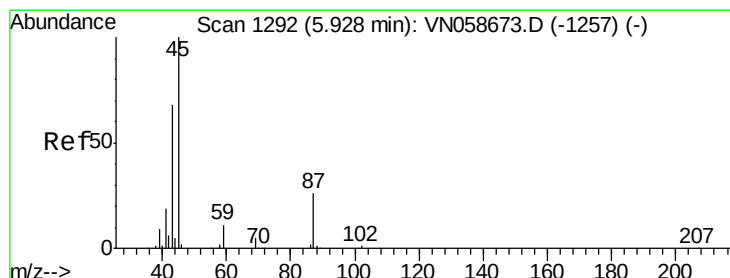
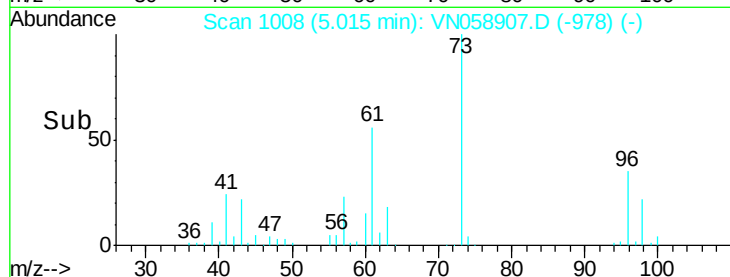
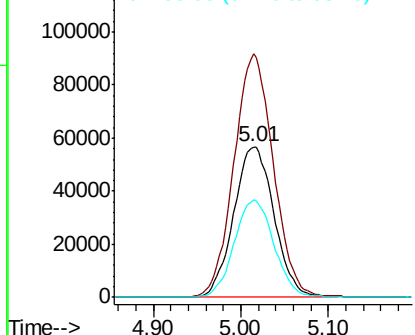
#19
trans-1,2-Dichloroethene
Concen: 50.705 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 182165
Ion Ratio Lower Upper
96 100
61 161.3 131.8 197.6
98 64.6 52.6 79.0

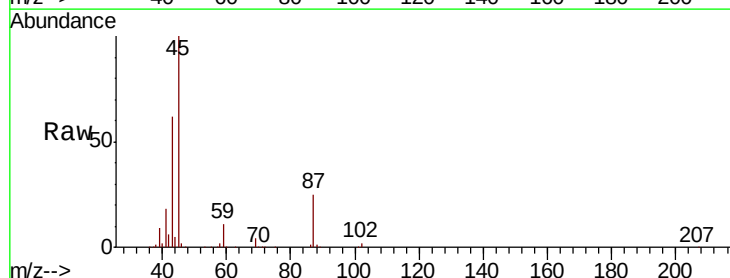


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

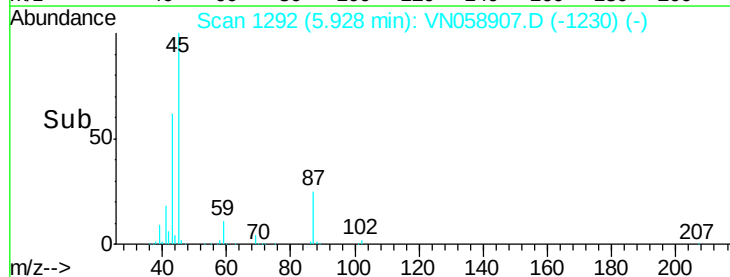
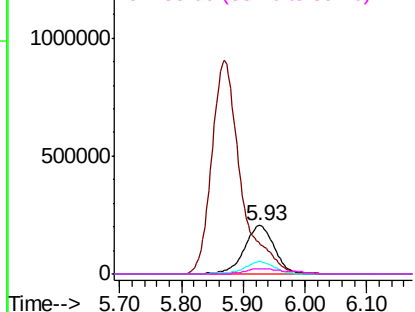


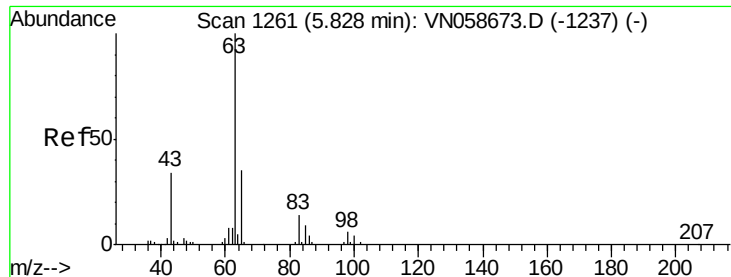
#20
Diisopropyl ether
Concen: 51.685 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 45 Resp: 691685
Ion Ratio Lower Upper
45 100
43 60.9 54.7 82.1
87 25.5 21.5 32.3
59 11.0 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 51.494 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

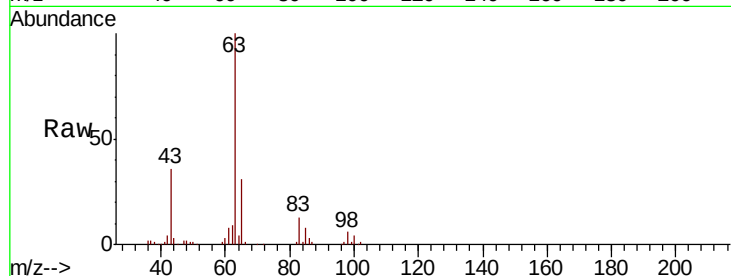
Tot Ion: 63 Resp: 381601

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

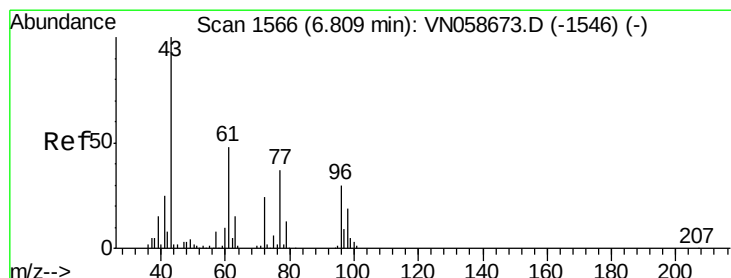
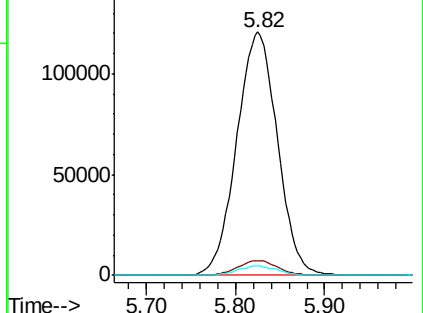
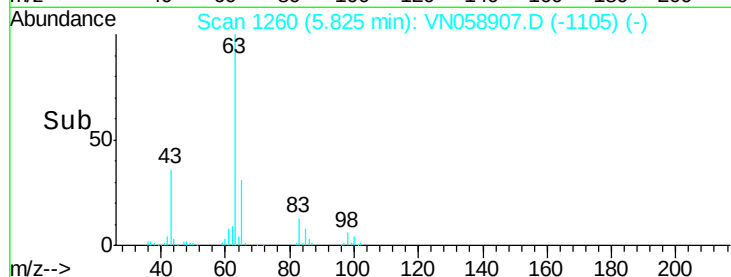
100 3.9 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN058907.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN058907.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN058907.D (-1105) (-)



#22

cis-1,2-Dichloroethene

Concen: 49.111 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

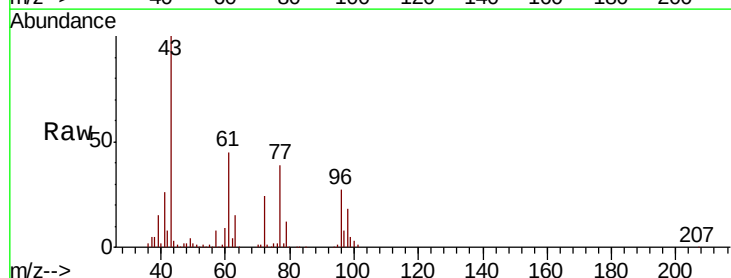
Tgt Ion: 96 Resp: 210369

Ion Ratio Lower Upper

96 100

61 165.3 127.2 190.8

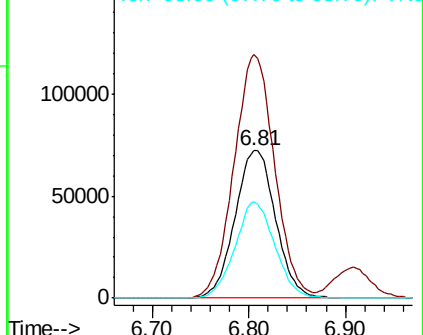
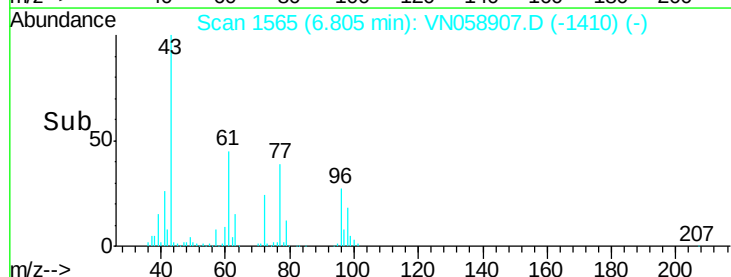
98 64.3 50.5 75.7

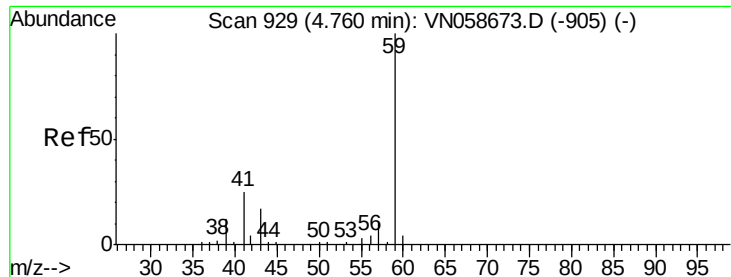


Abundance Ion 96.00 (95.70 to 96.70): VN058907.D (-1410) (-)

Ion 61.00 (60.70 to 61.70): VN058907.D (-1410) (-)

Ion 98.00 (97.70 to 98.70): VN058907.D (-1410) (-)



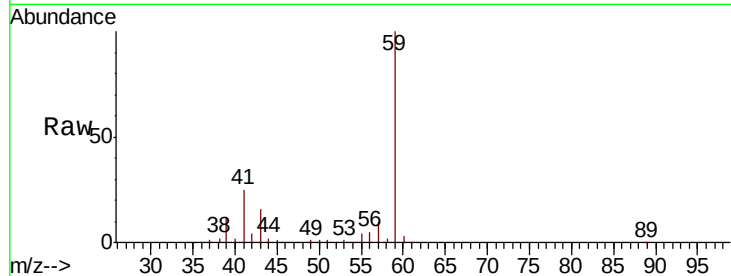


#23

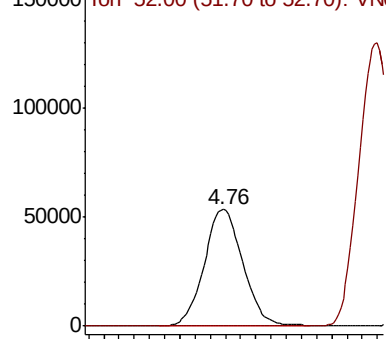
tert-Butyl Alcohol
 Concen: 223.781 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampled :

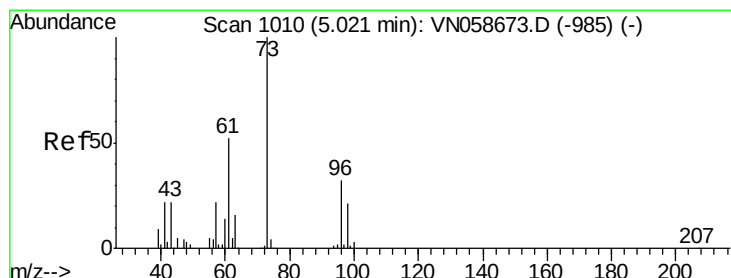
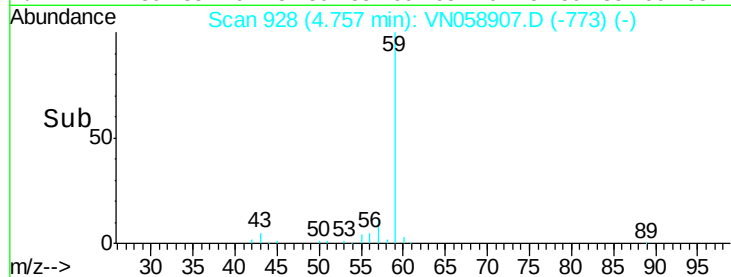
Tot Ion: 59 Resp: 190426
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



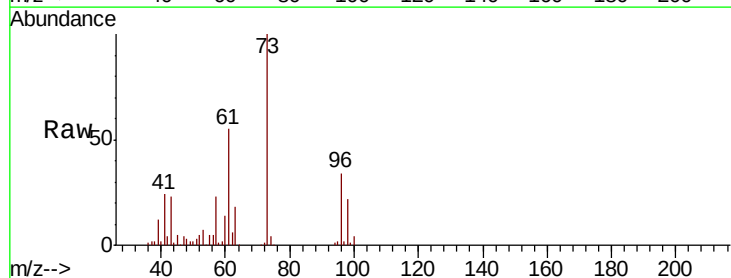
Time-->



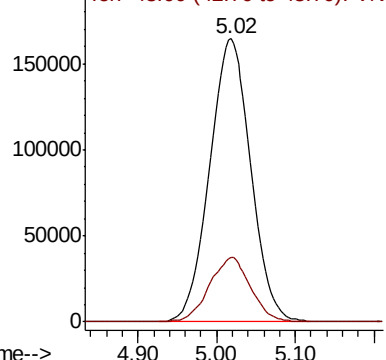
#24

Methyl tert-Butyl Ether
 Concen: 48.966 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

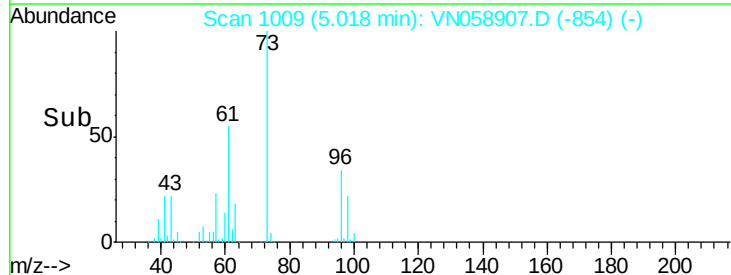
Tgt Ion: 73 Resp: 602844
 Ion Ratio Lower Upper
 73 100
 43 22.3 17.9 26.9

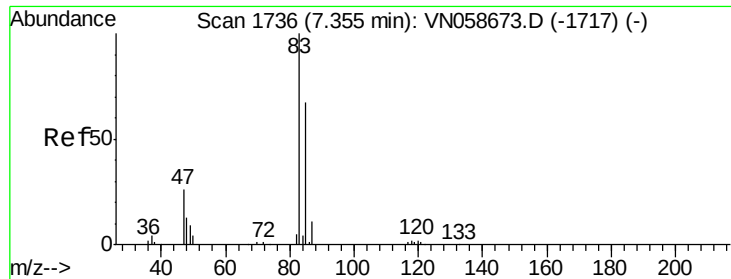


Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0



Time-->

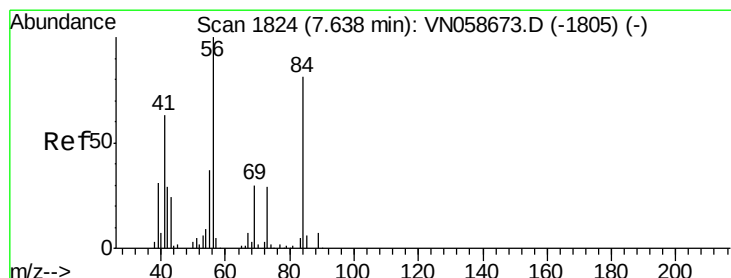
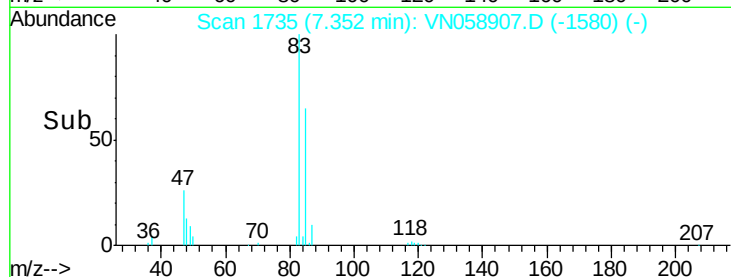
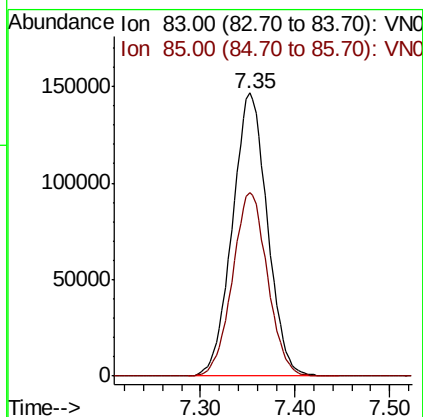
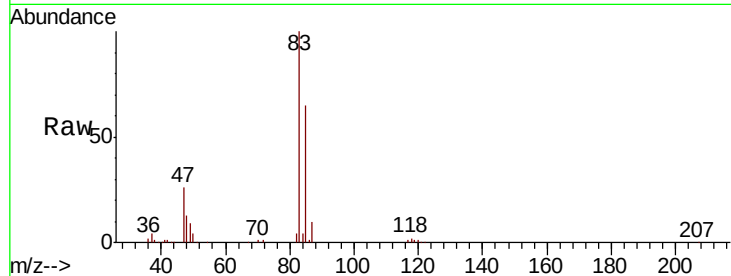




#25
Chloroform
Concen: 50.958 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

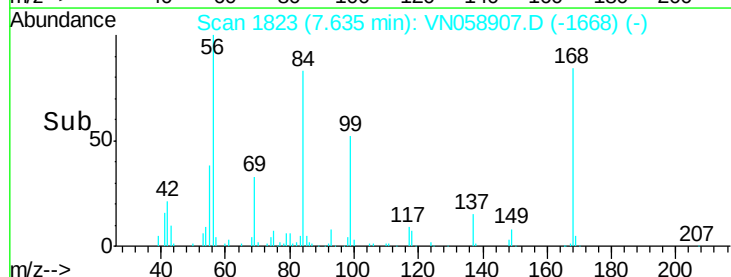
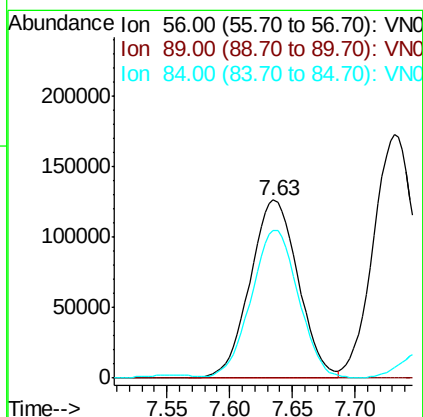
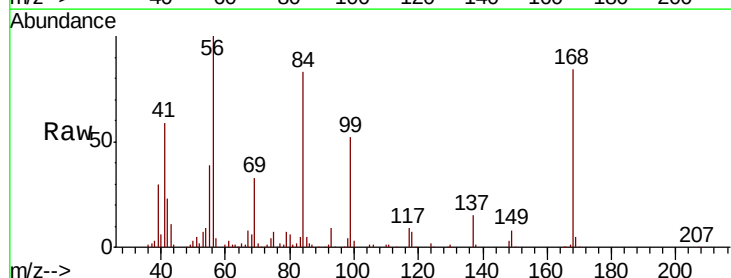
Instrument :
MSVOA_N
ClientSampleId :

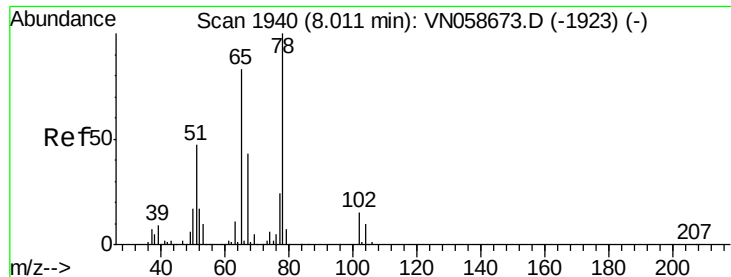
Tot Ion: 83 Resp: 376628
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.8



#26
Cyclohexane
Concen: 52.019 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 56 Resp: 338354
Ion Ratio Lower Upper
56 100
89 0.1 6.2 9.2#
84 81.7 65.6 98.4

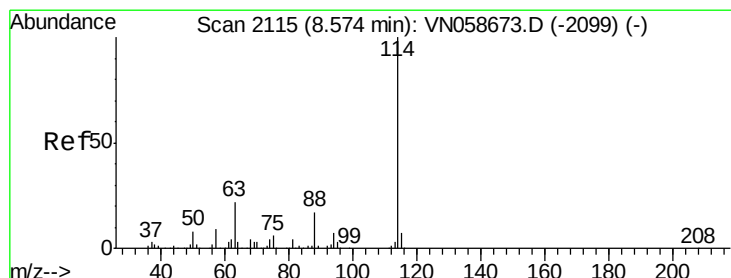
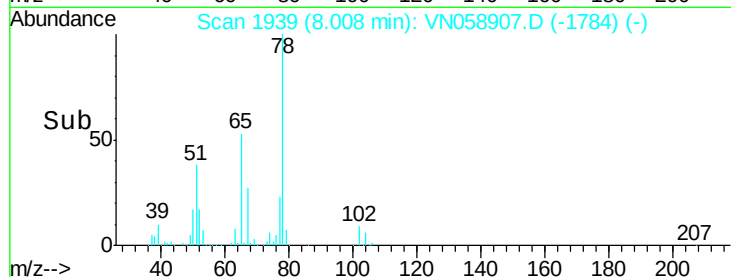
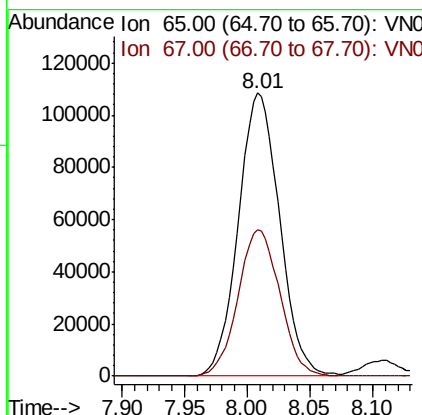
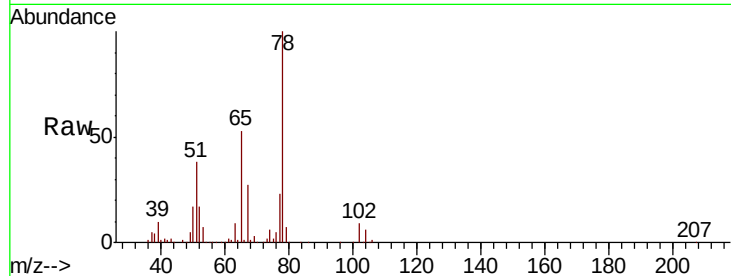




#27
 1,2-Dichloroethane-d4
 Concen: 46.435 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

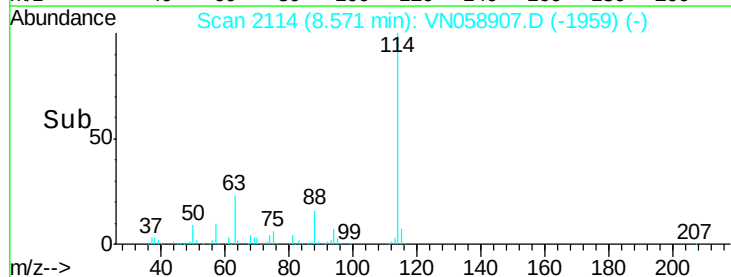
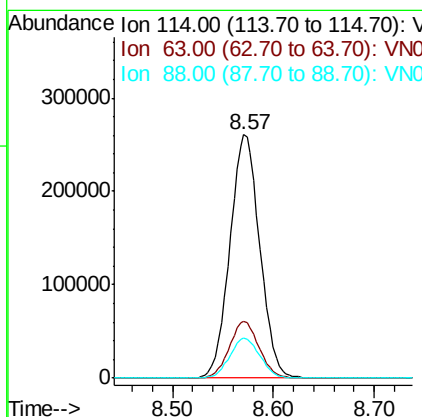
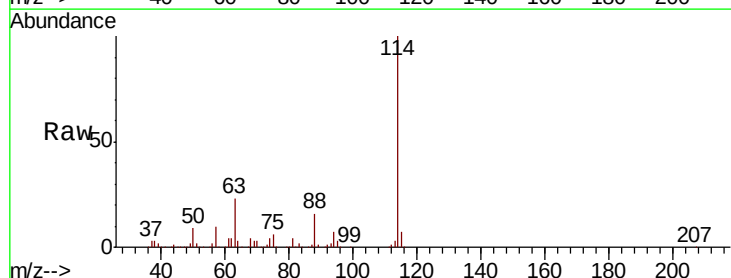
Instrument :
 MSVOA_N
 ClientSampleId :

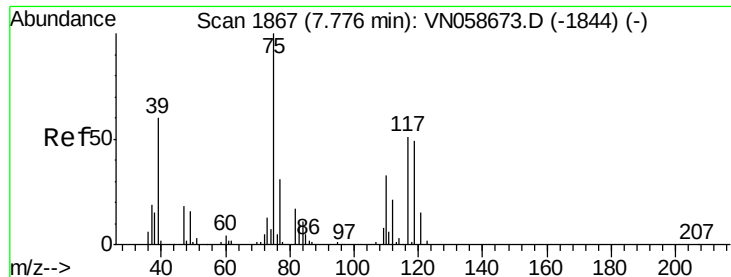
Tot Ion: 65 Resp: 248579
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion: 114 Resp: 537283
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.1 27.1
 88 16.6 13.0 19.4





#29

1,1-Dichloropropene

Concen: 33.727 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampled :

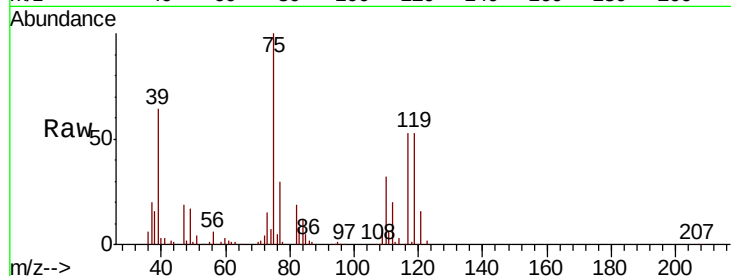
Tot Ion: 75 Resp: 285254

Ion Ratio Lower Upper

75 100

110 32.1 0.0 64.6

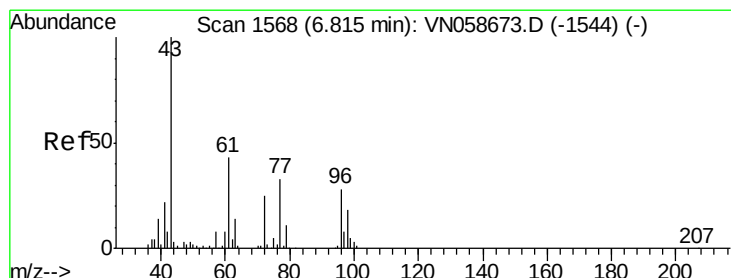
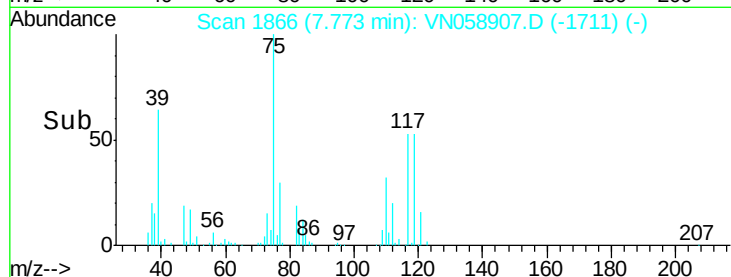
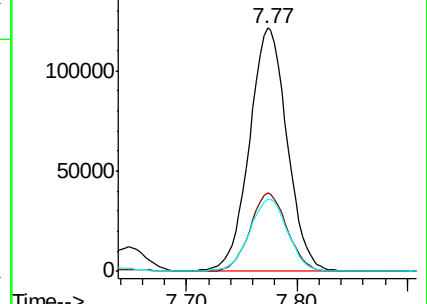
77 30.5 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-1844) (-)

Ion 110.00 (109.70 to 110.70): VN058673.D (-1844) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-1844) (-)



#30

2-Butanone

Concen: 166.663 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

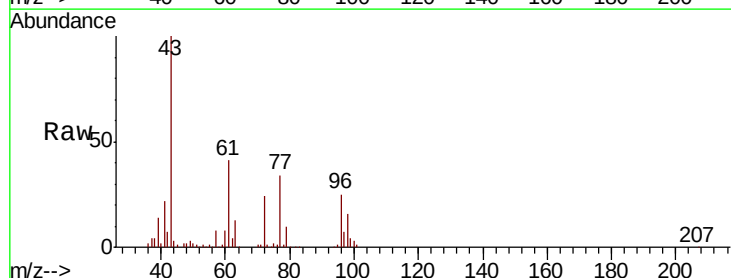
Tgt Ion: 43 Resp: 796549

Ion Ratio Lower Upper

43 100

57 8.0 6.5 9.7

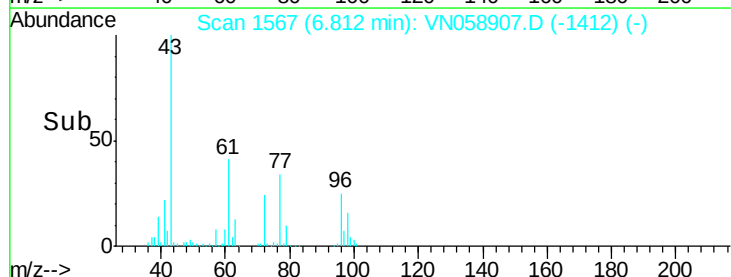
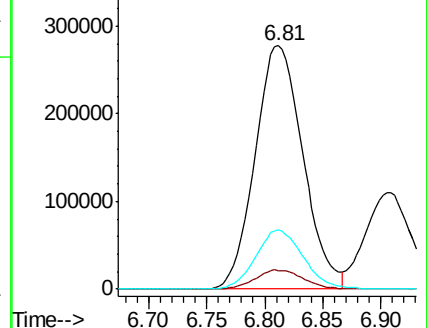
72 24.2 20.1 30.1

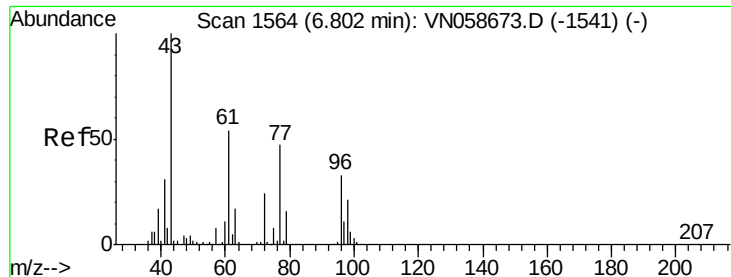


Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1544) (-)

Ion 57.00 (56.70 to 57.70): VN058673.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058673.D (-1544) (-)

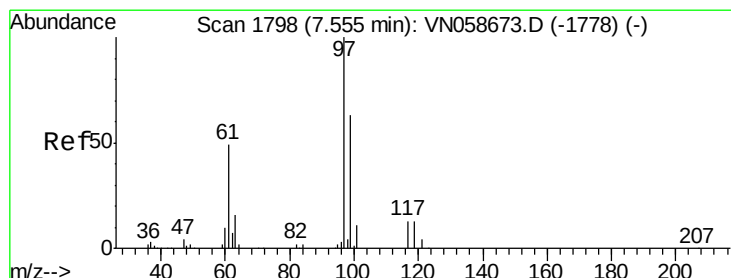
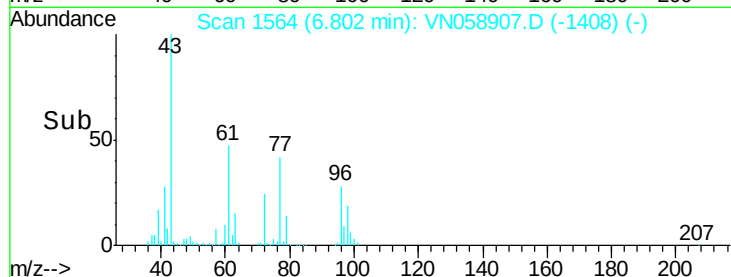
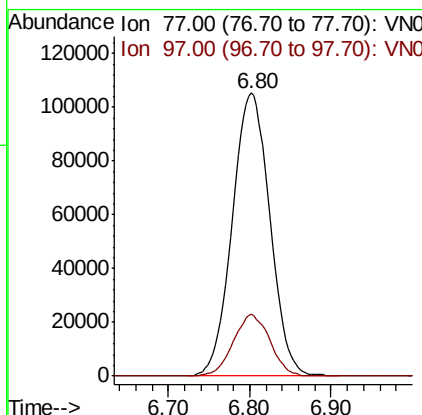
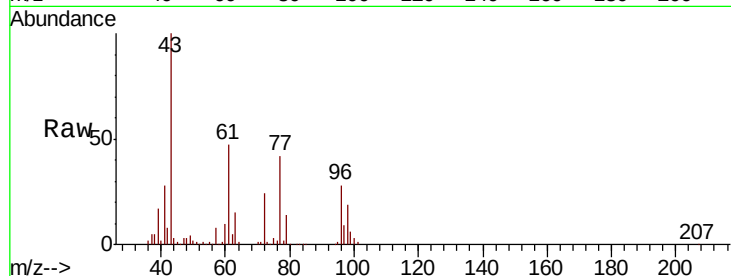




#31
 2,2-Dichloropropane
 Concen: 33.788 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

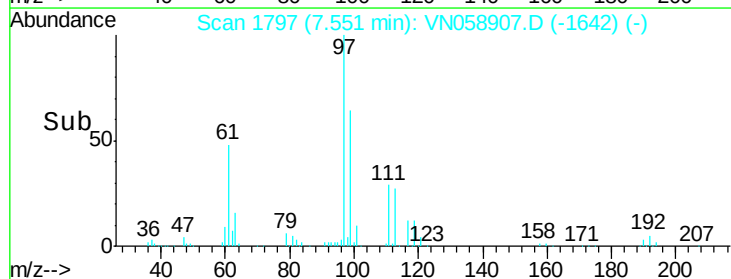
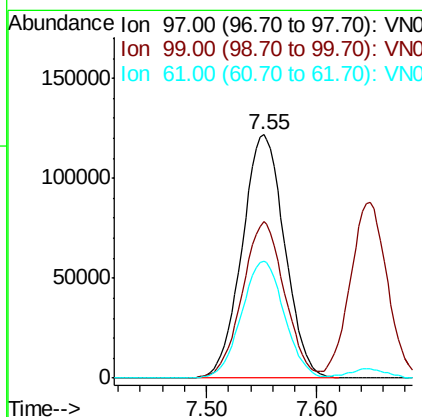
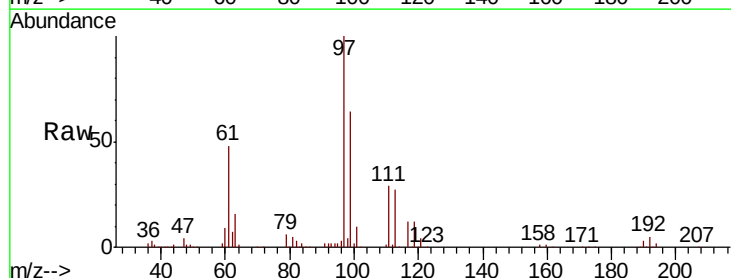
Instrument :
 MSVOA_N
 ClientSampleId :

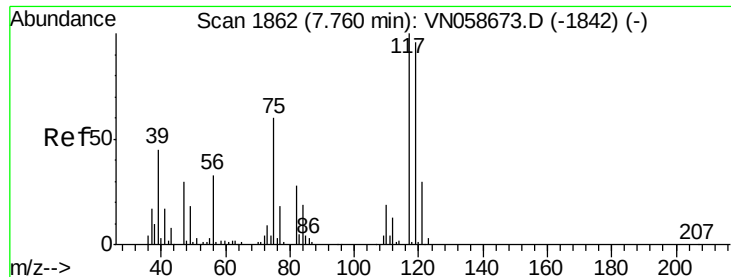
Tot Ion: 77 Resp: 336821
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 33.313 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion: 97 Resp: 325863
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.3 76.9
 61 48.0 38.4 57.6





#33

Carbon Tetrachloride

Concen: 33.355 ug/l

RT: 7.76 min Scan# 1861

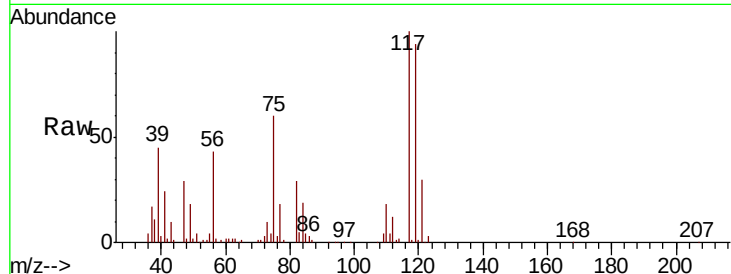
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.9	115.3
121	30.6	23.8	35.8

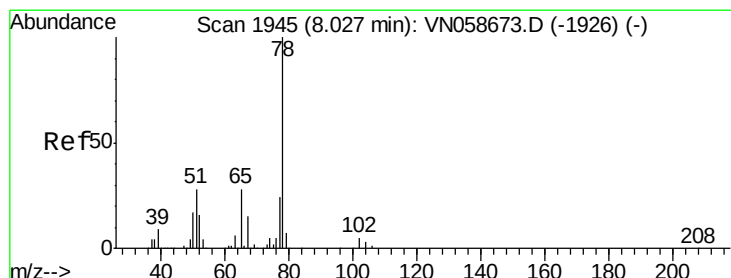
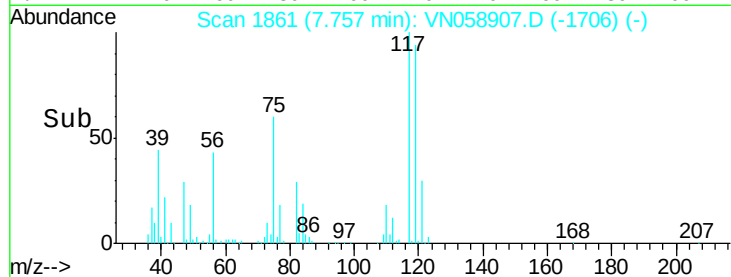
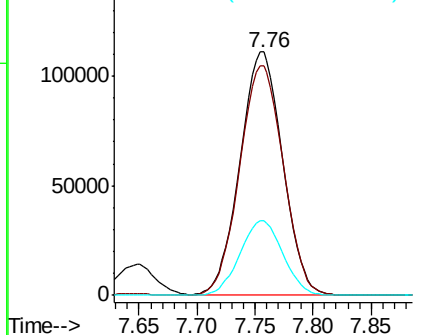


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 33.531 ug/l

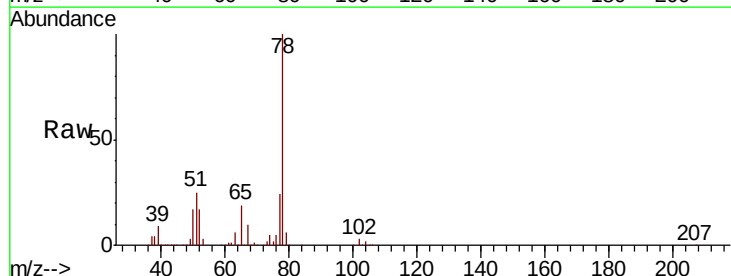
RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8
51	24.7	22.1	33.1

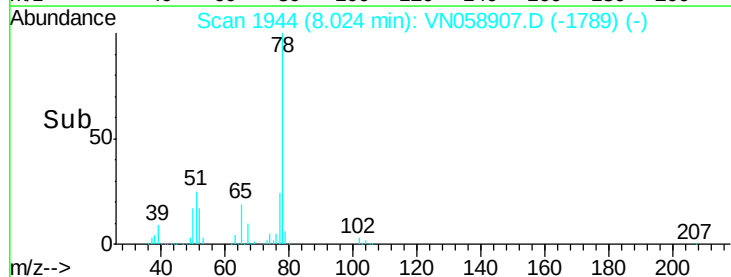
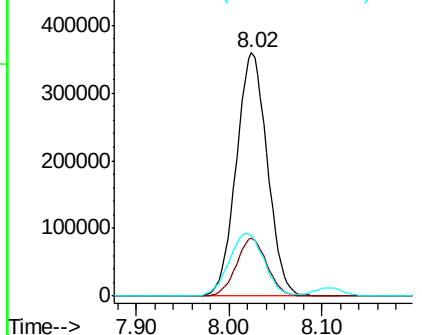


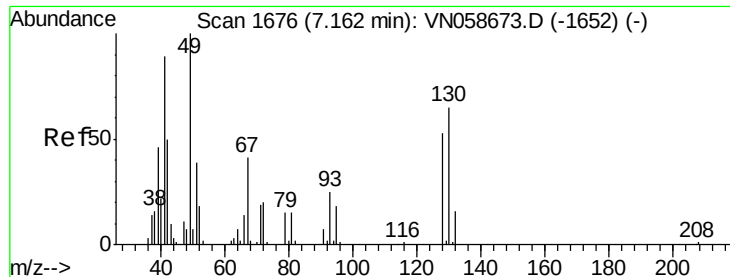
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

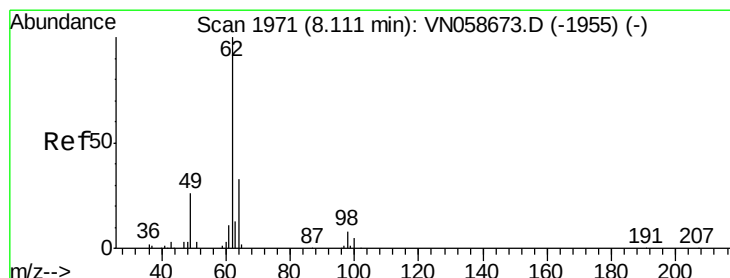
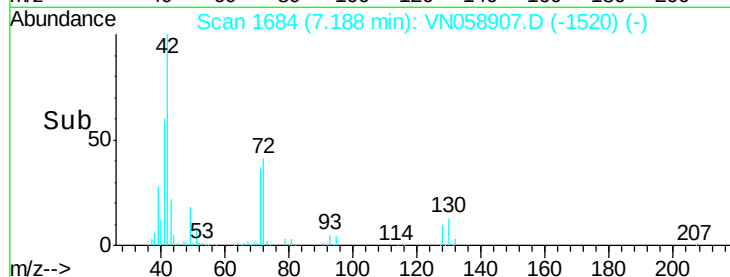
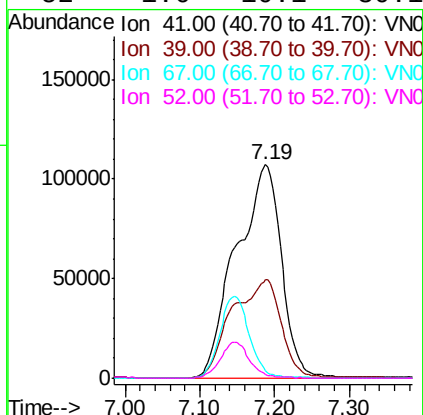
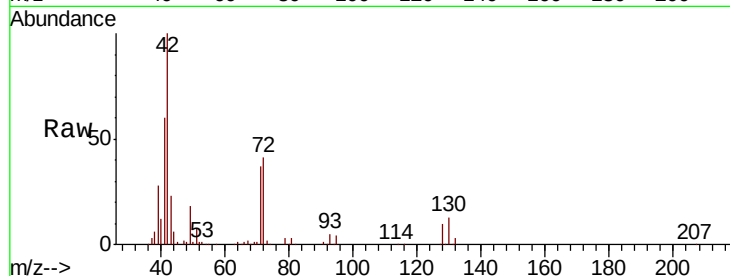




#35
Methacrylonitrile
Concen: 106.972 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

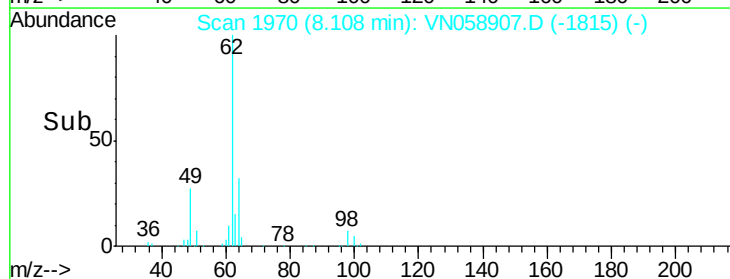
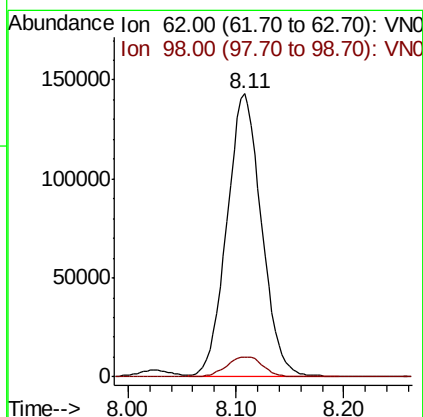
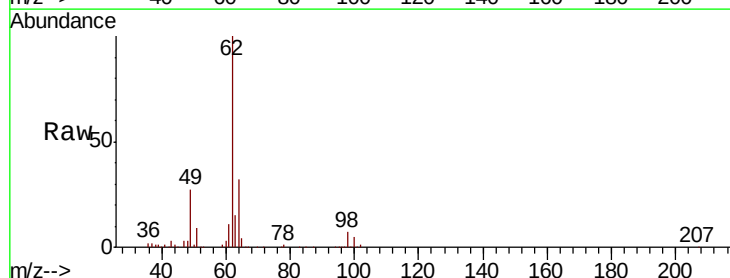
Instrument :
MSVOA_N
ClientSampleId :

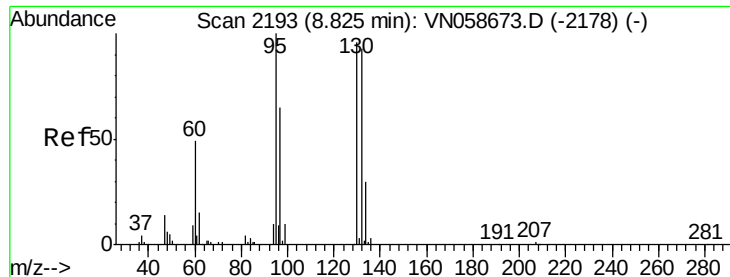
Tot Ion	Ratio	Lower	Upper
41	100		
39	46.1	25.8	77.4
67	3.6	23.0	69.0#
52	1.6	10.1	30.1#



#36
1,2-Dichloroethane
Concen: 33.592 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.4	9.6

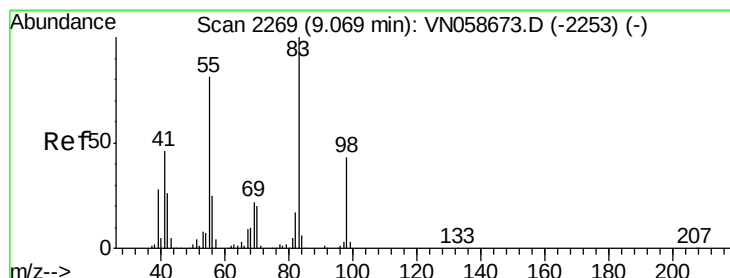
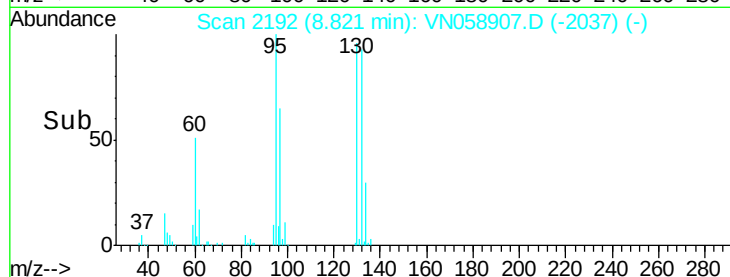
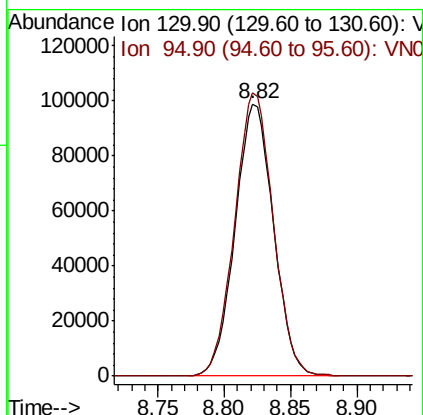
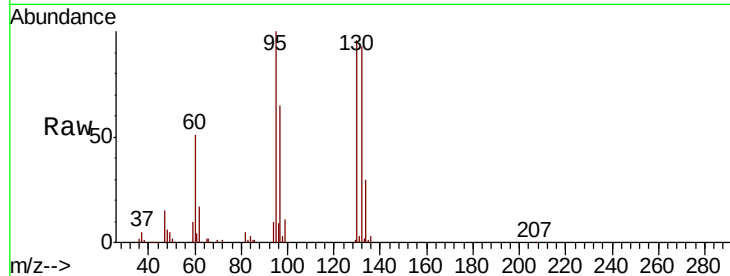




#37
 Trichloroethene
 Concen: 32.589 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

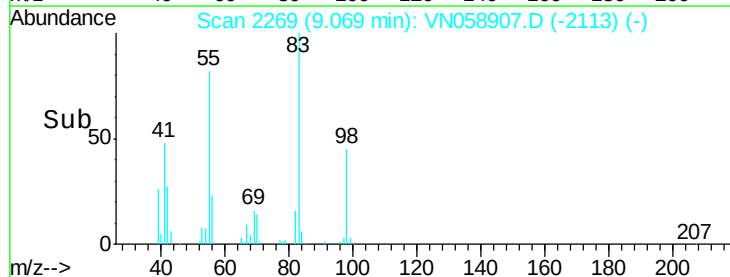
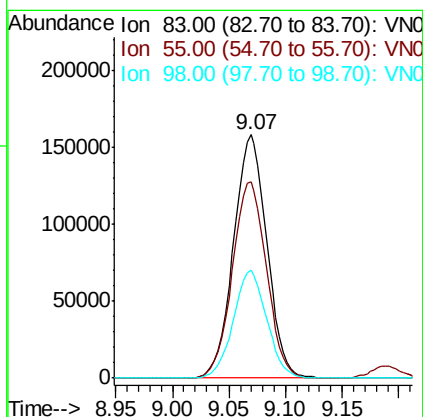
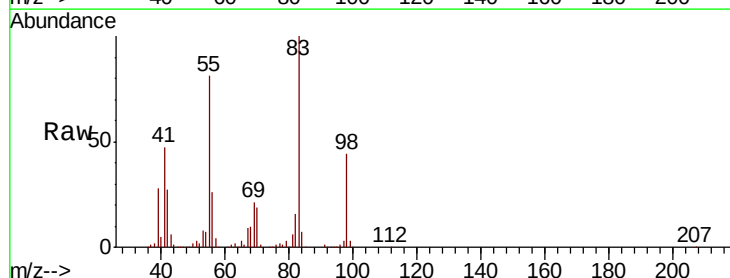
Instrument :
 MSVOA_N
 ClientSampleId :

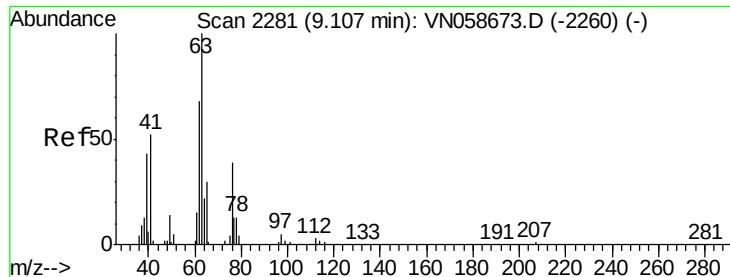
Tot Ion:130 Resp: 199345
 Ion Ratio Lower Upper
 130 100
 95 103.8 83.2 124.8



#38
 Methylcyclohexane
 Concen: 33.041 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion: 83 Resp: 323999
 Ion Ratio Lower Upper
 83 100
 55 82.5 40.4 121.1
 98 44.2 21.6 65.0





#39

1,2-Dichloropropane

Concen: 33.573 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

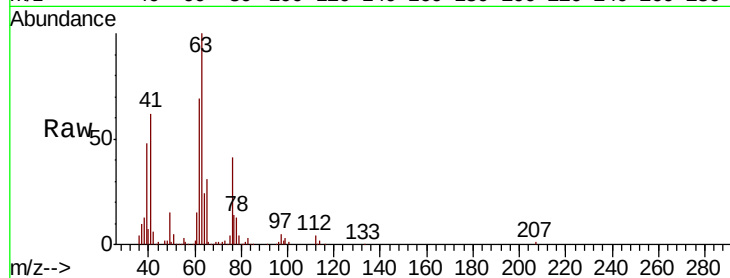
ClientSampleId :

Tot Ion: 63 Resp: 228452

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.11

120000

100000

80000

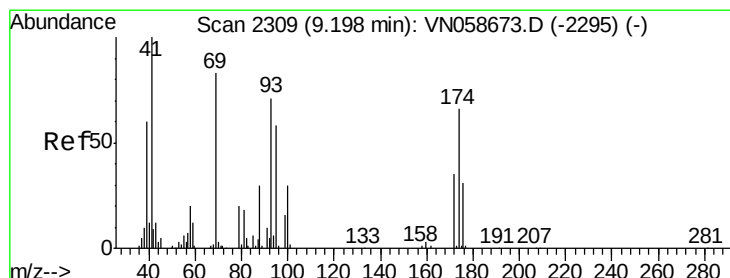
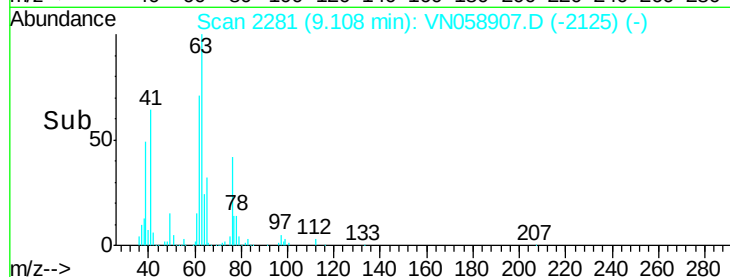
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 33.670 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

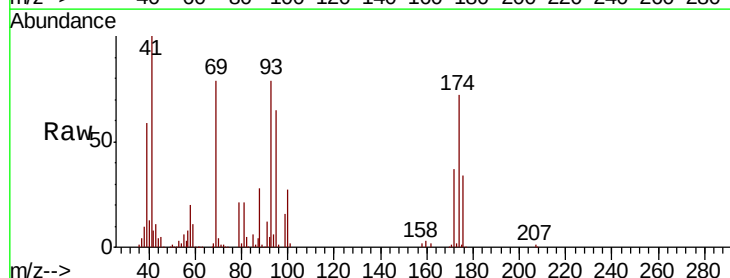
Tgt Ion: 93 Resp: 144632

Ion Ratio Lower Upper

93 100

95 82.7 0.0 167.6

174 91.6 0.0 187.2



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

100000

80000

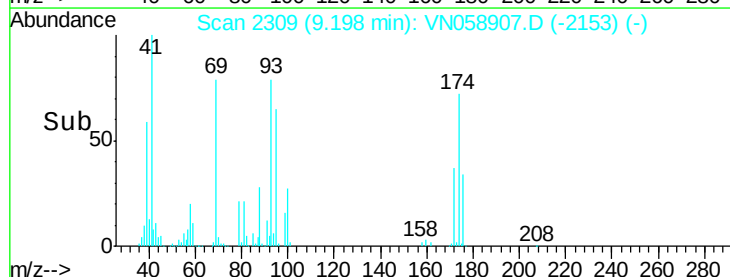
60000

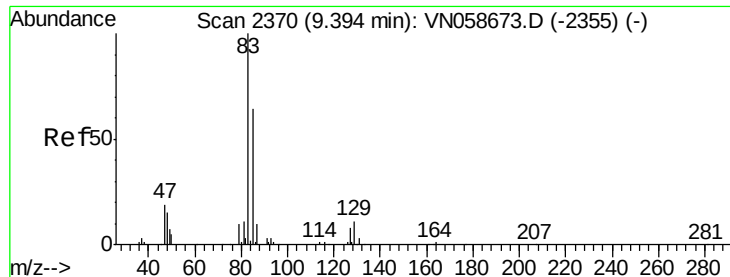
40000

20000

0

Time--> 9.10 9.15 9.20 9.25





#41

Bromodichloromethane

Concen: 34.252 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

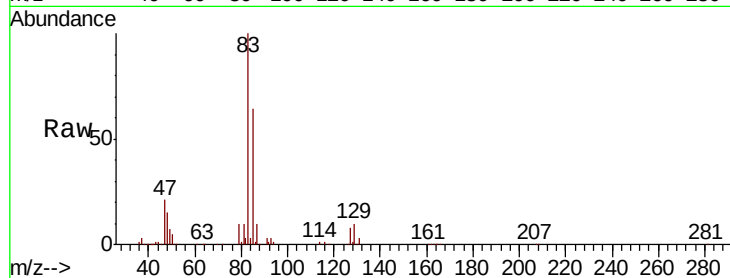
Tot Ion: 83 Resp: 300587

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

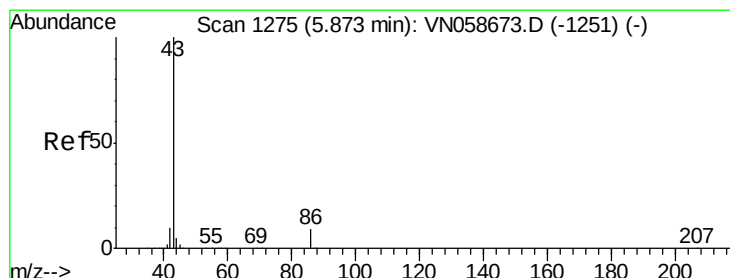
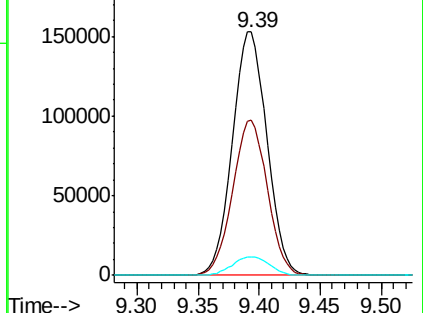
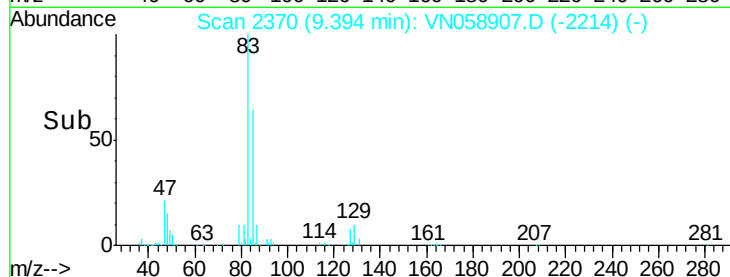
127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058907.D (-2214) (-)

Ion 85.00 (84.70 to 85.70): VN058907.D (-2214) (-)

Ion 127.00 (126.70 to 127.70): VN058907.D (-2214) (-)



#42

Vinyl Acetate

Concen: 176.276 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058907.D

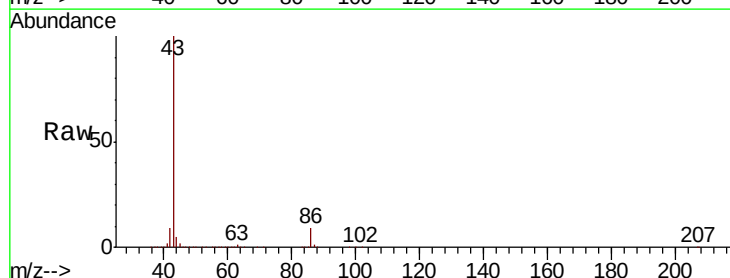
Acq: 22 Oct 2019 14:33

Tgt Ion: 43 Resp: 2950603

Ion Ratio Lower Upper

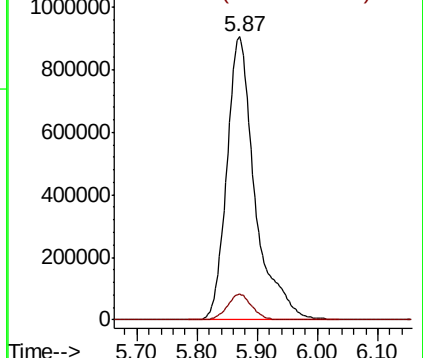
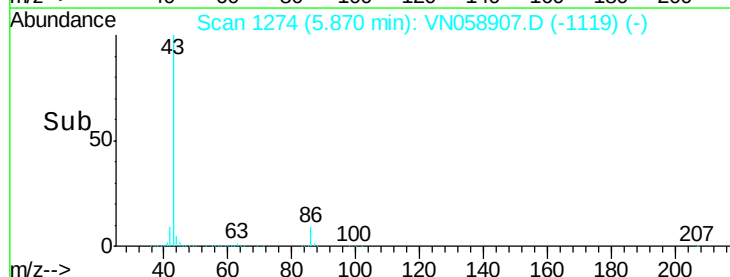
43 100

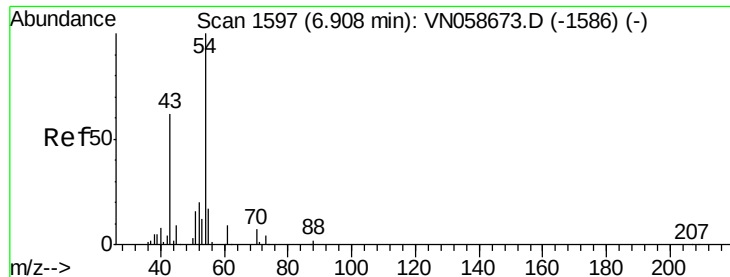
86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058907.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN058907.D (-1119) (-)

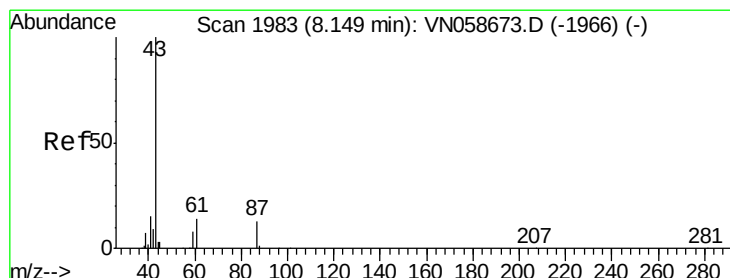
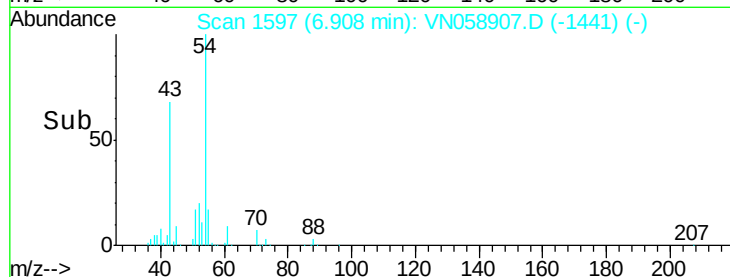
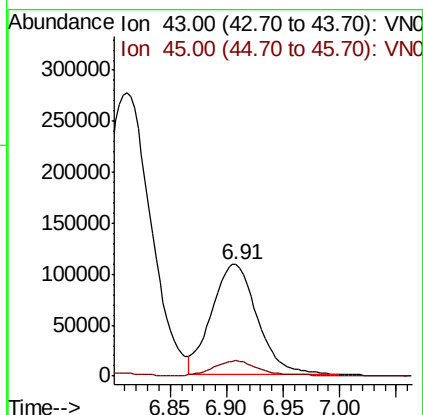
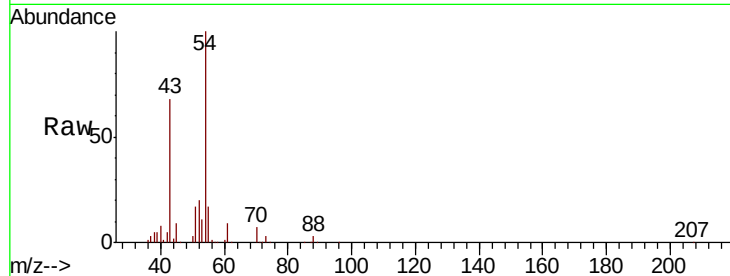




#43
Ethyl Acetate
Concen: 32.588 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

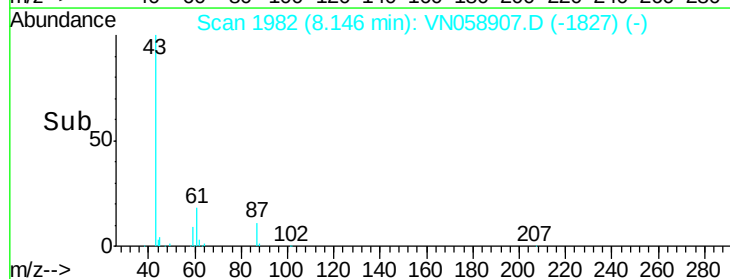
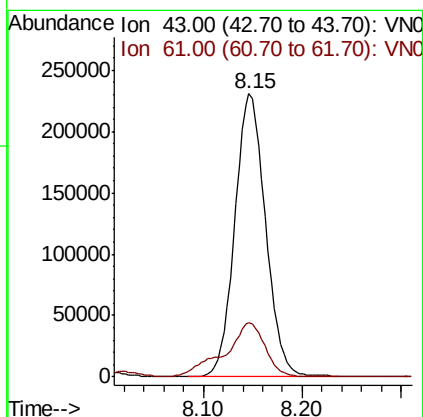
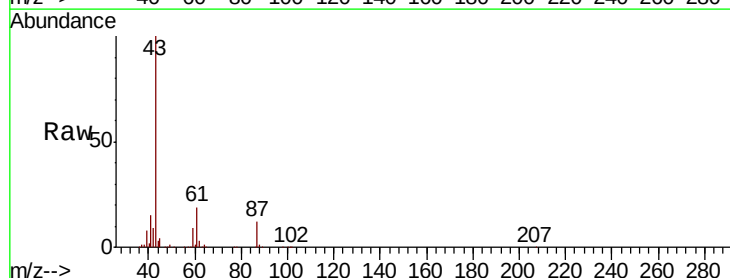
Instrument :
MSVOA_N
ClientSampleId :

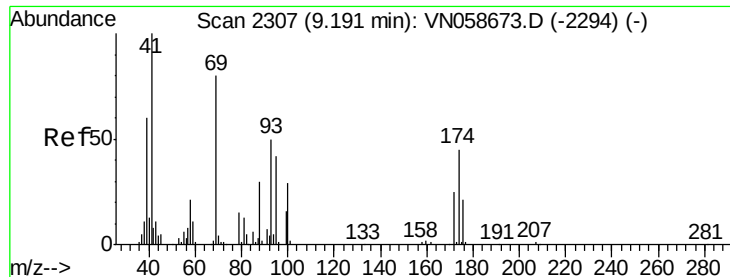
Tot Ion: 43 Resp: 305700
Ion Ratio Lower Upper
43 100
45 14.2 9.7 14.5



#44
Isopropyl Acetate
Concen: 32.797 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 43 Resp: 498349
Ion Ratio Lower Upper
43 100
61 25.3 19.9 29.9



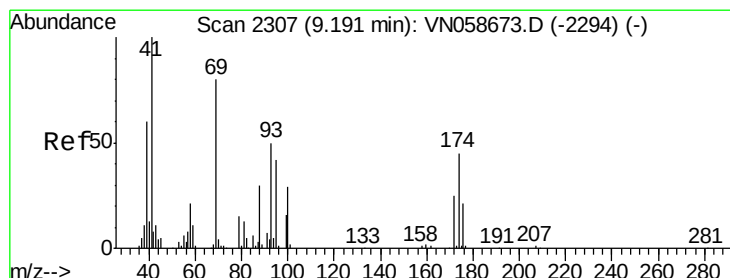
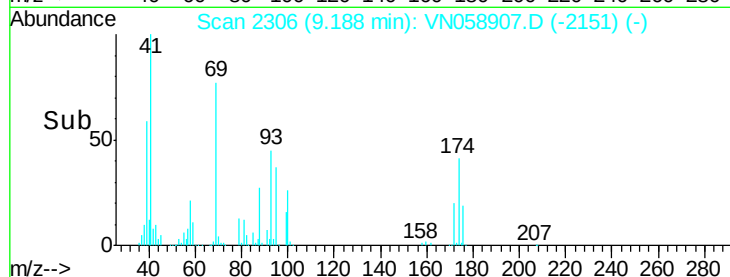
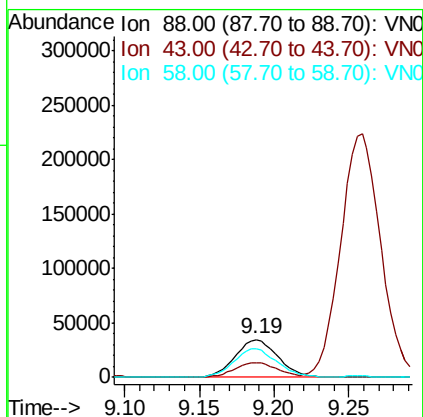
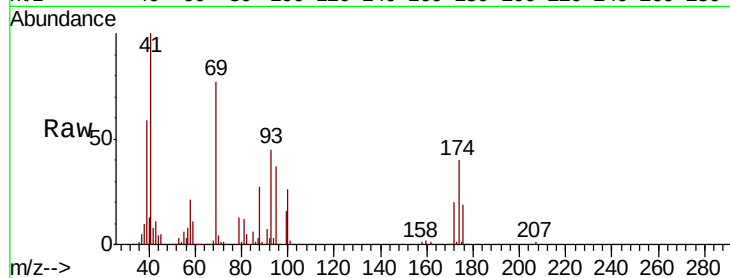


#45
 1,4-Dioxane
 Concen: 595.905 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 69529

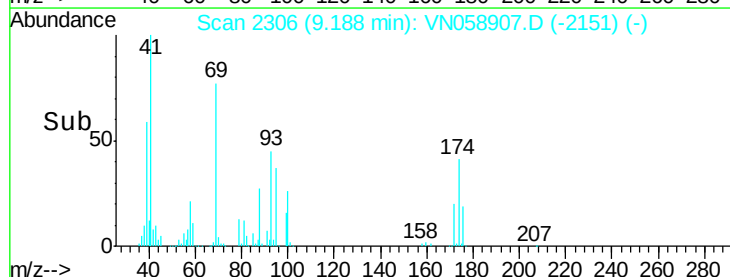
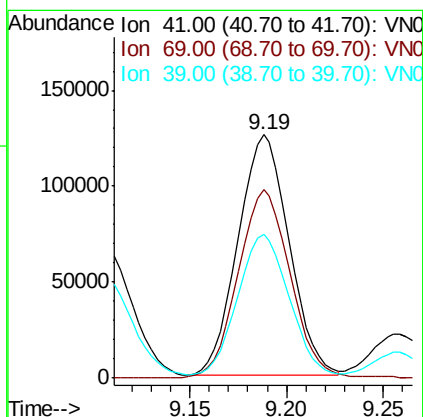
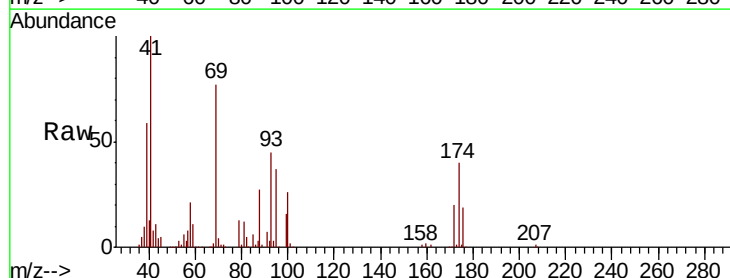
Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.8	44.8
58	76.8	58.2	87.4

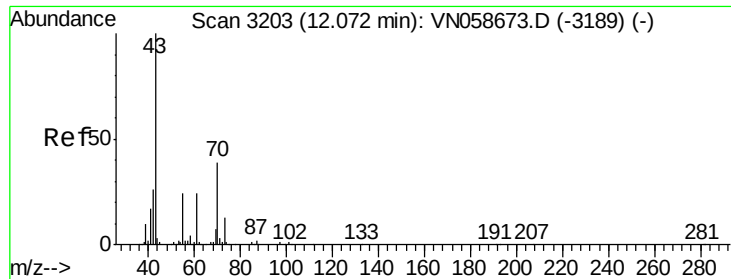


#46
 Methyl methacrylate
 Concen: 33.115 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion: 41 Resp: 231004

Ion	Ratio	Lower	Upper
41	100		
69	77.7	40.2	120.5
39	58.5	29.9	89.8





#47

n-amvl Acetate

Concen: 33.765 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

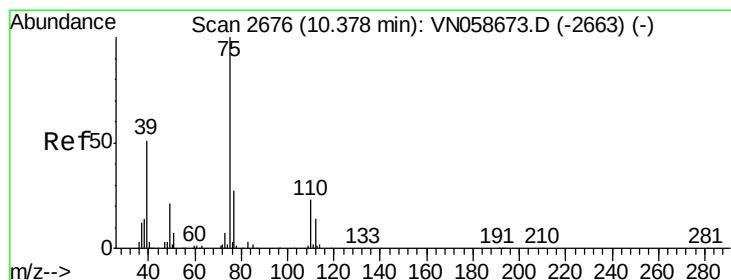
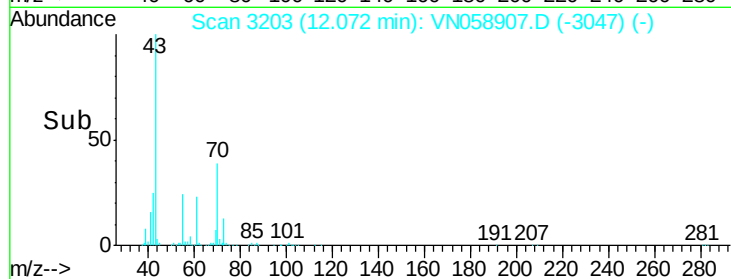
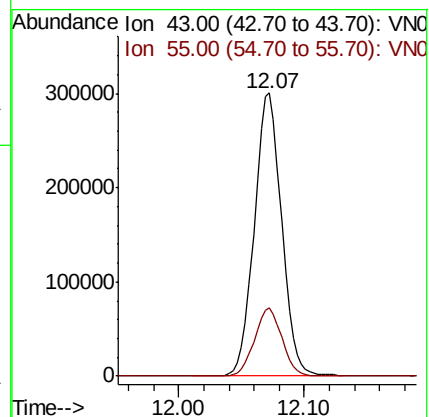
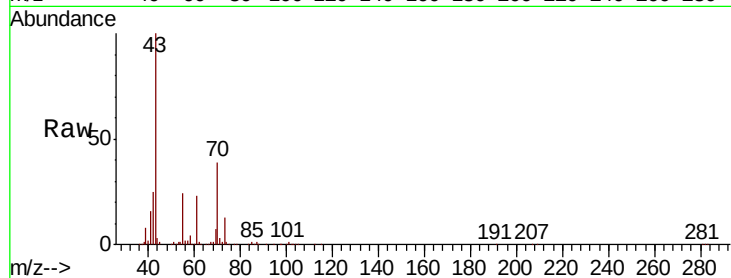
ClientSampleId :

Tot Ion: 43 Resp: 454819

Ion Ratio Lower Upper

43 100

55 24.3 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 33.392 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058907.D

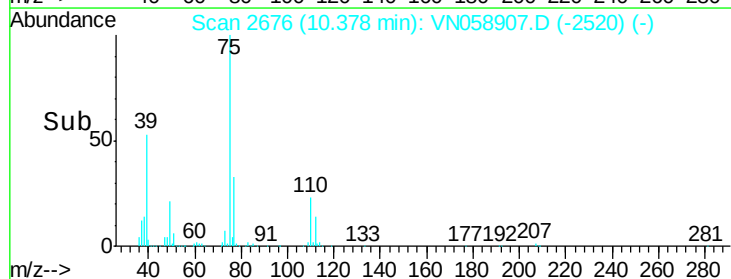
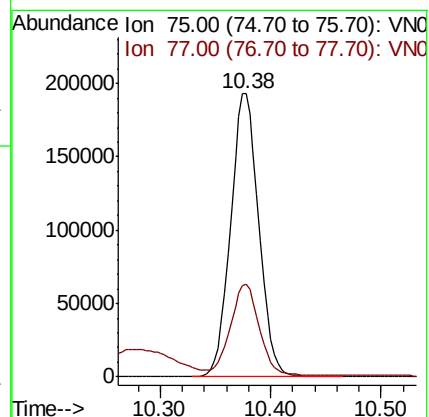
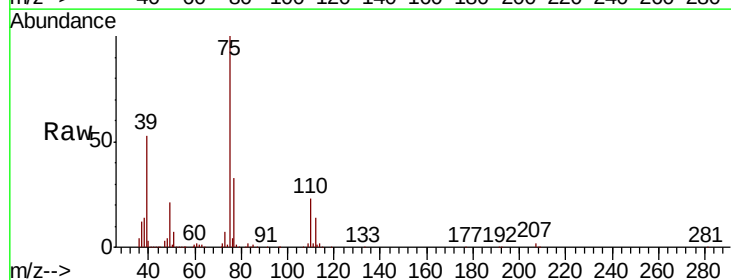
Acq: 22 Oct 2019 14:33

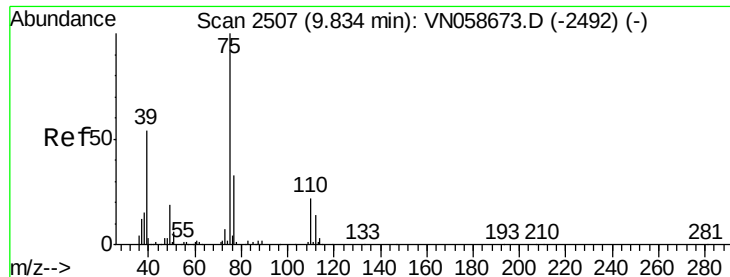
Tgt Ion: 75 Resp: 339856

Ion Ratio Lower Upper

75 100

77 32.3 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 34.102 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

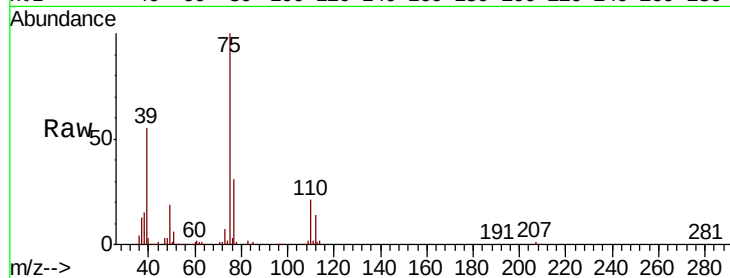
Tot Ion: 75 Resp: 364469

Ion Ratio Lower Upper

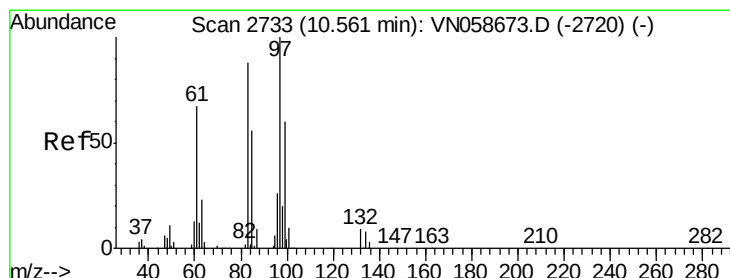
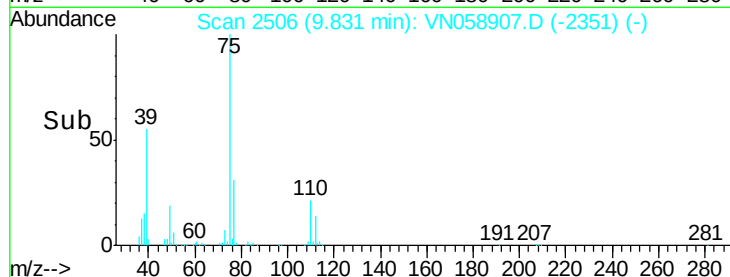
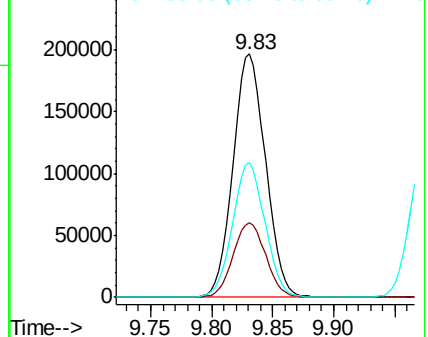
75 100

77 30.6 26.1 39.1

39 55.1 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 33.452 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion: 97 Resp: 205139

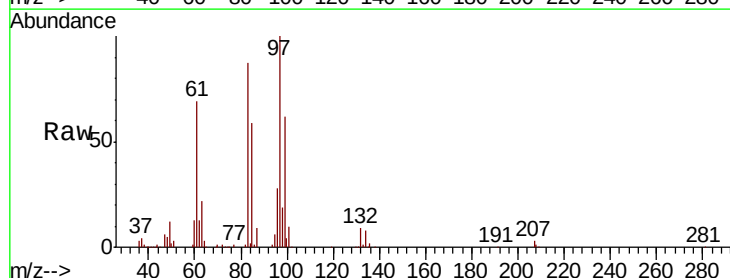
Ion Ratio Lower Upper

97 100

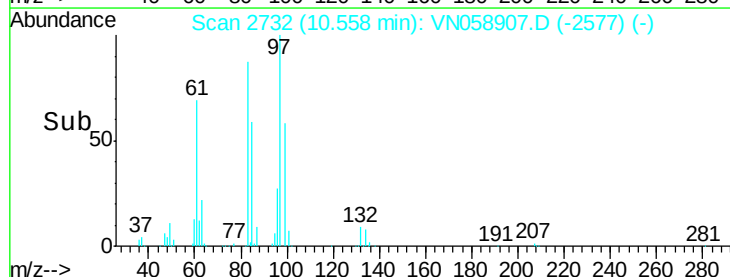
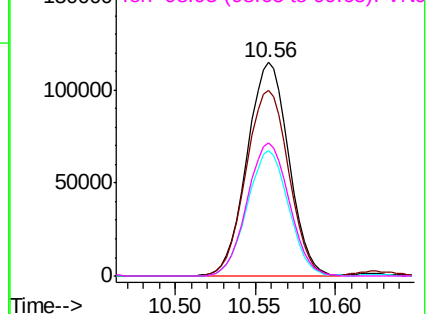
83 87.1 70.7 106.1

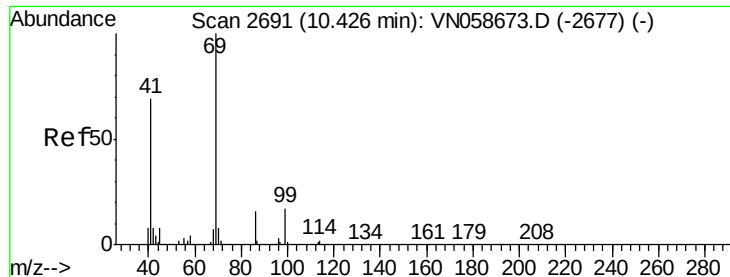
85 58.9 45.1 67.7

99 62.4 48.2 72.4



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 32.910 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

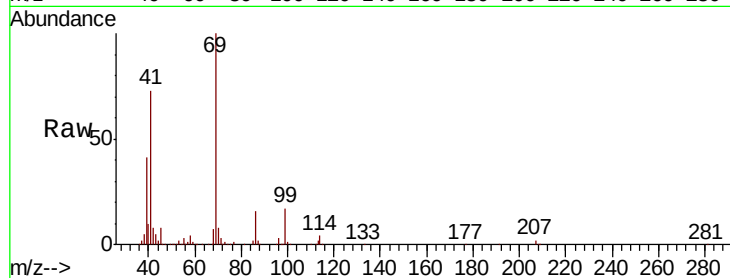
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 322707

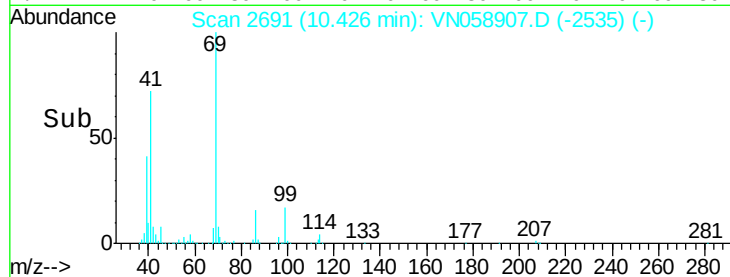
Ion	Ratio	Lower	Upper
69	100		
41	72.3	34.7	104.1
39	40.9	20.3	60.8



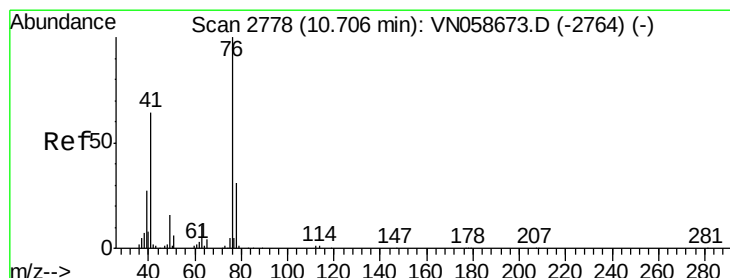
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#52

1,3-Dichloropropane

Concen: 32.968 ug/l

RT: 10.70 min Scan# 2777

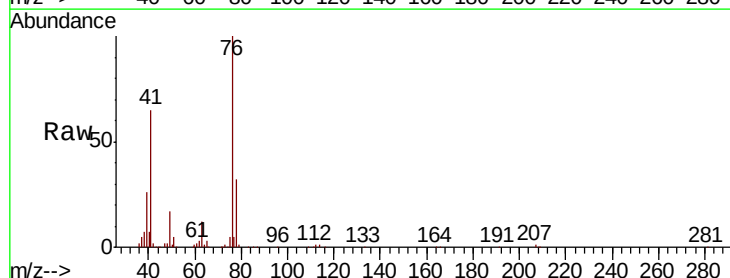
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

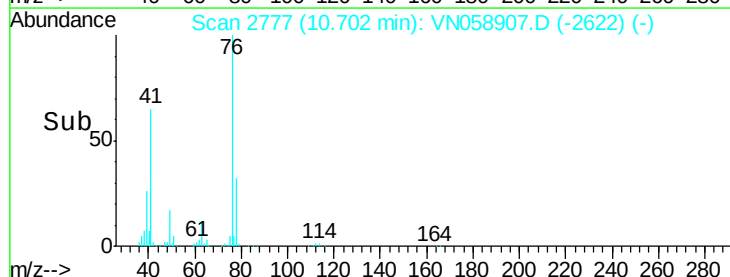
Tgt Ion: 76 Resp: 360043

Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.2

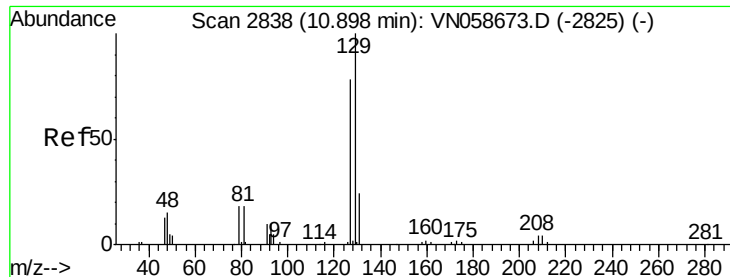


Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->



#53

Dibromochloromethane

Concen: 34.396 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

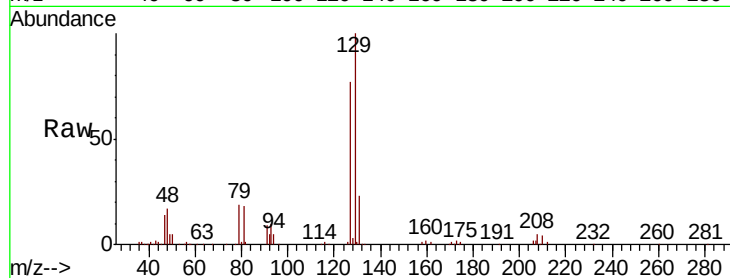
ClientSampleId :

Tot Ion:129 Resp: 226361

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

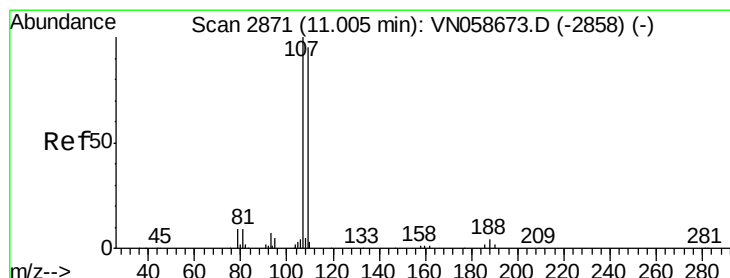
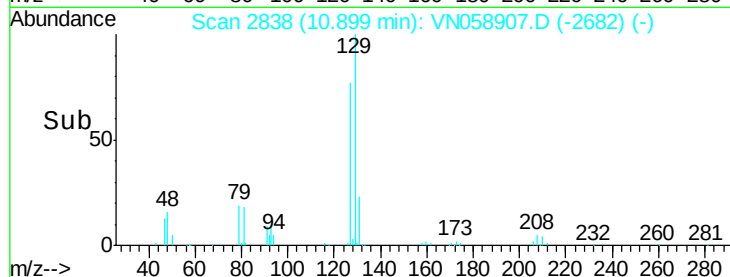
150000

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 33.335 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058907.D

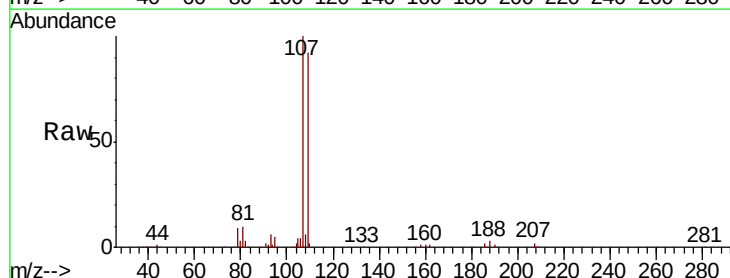
Acq: 22 Oct 2019 14:33

Tgt Ion:107 Resp: 211883

Ion Ratio Lower Upper

107 100

109 92.8 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

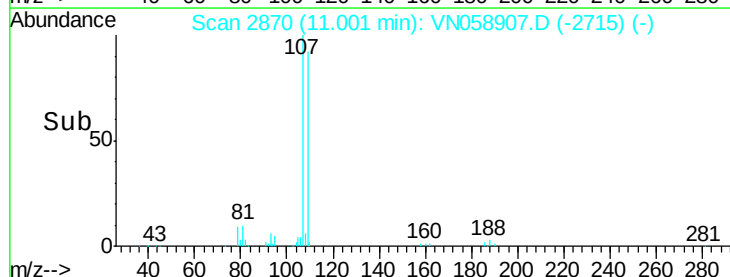
11.00

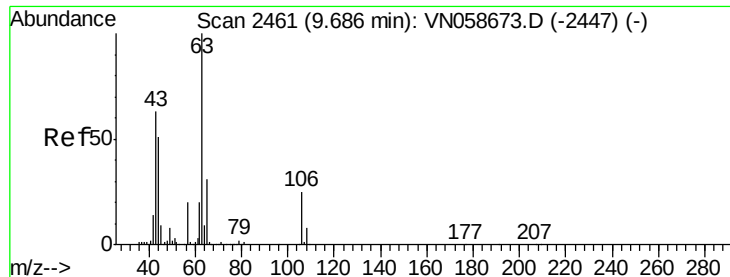
100000

50000

0

Time-->

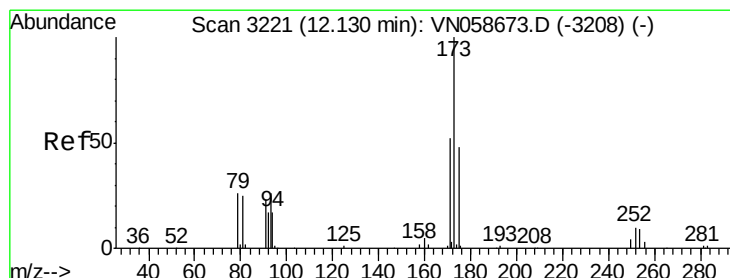
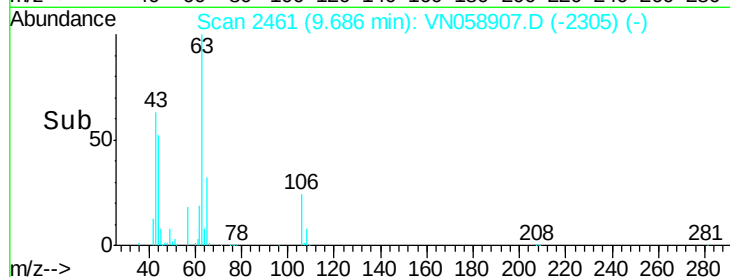
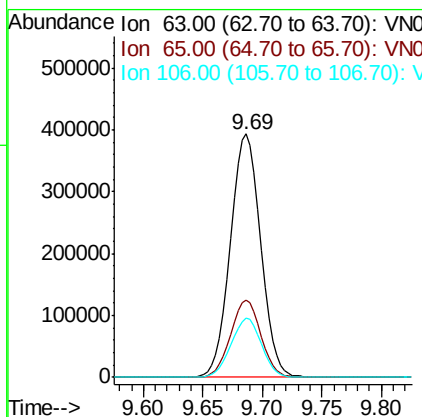
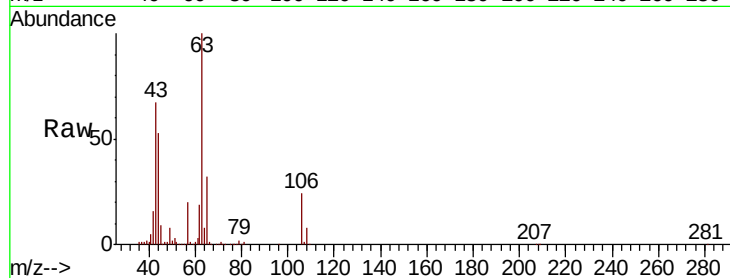




#55
2-Chloroethyl vinyl ether
Concen: 142.662 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

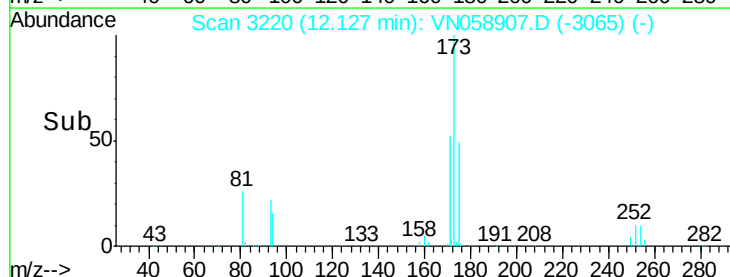
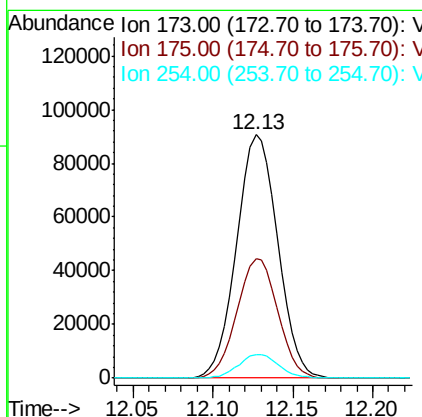
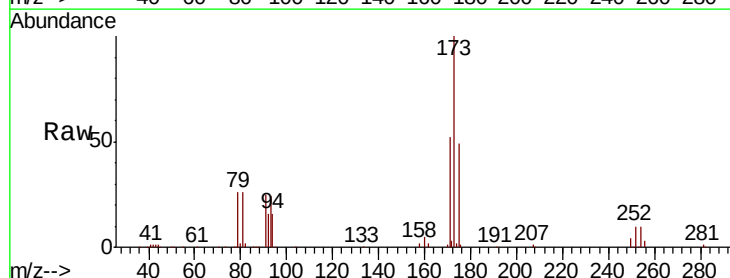
Instrument :
MSVOA_N
ClientSampled :

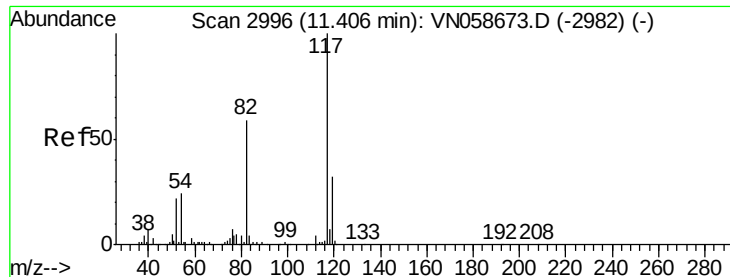
Tot Ion: 63 Resp: 695846
Ion Ratio Lower Upper
63 100
65 31.7 25.3 37.9
106 24.3 19.8 29.6



#56
Bromoform
Concen: 34.683 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 173 Resp: 159001
Ion Ratio Lower Upper
173 100
175 48.6 38.7 58.1
254 9.5 7.4 11.2

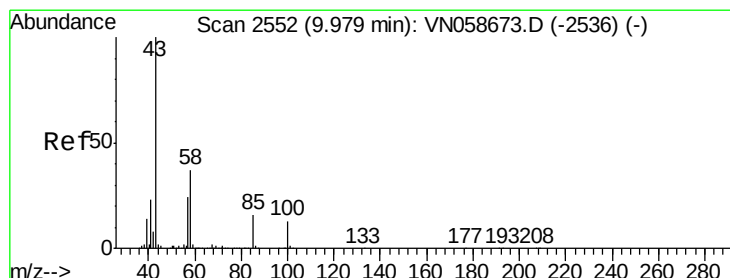
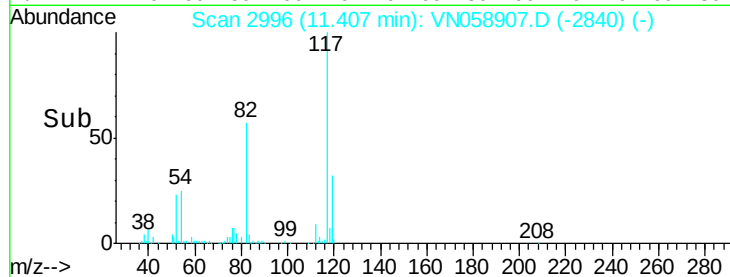
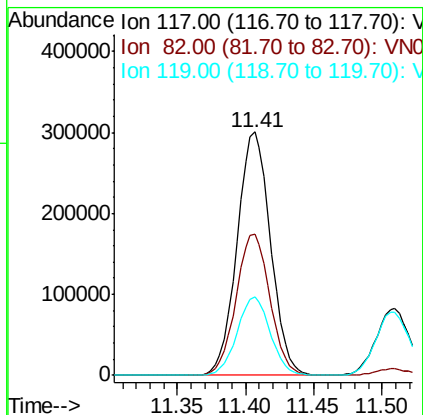
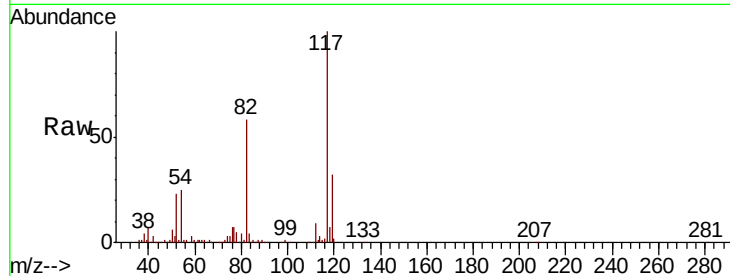




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

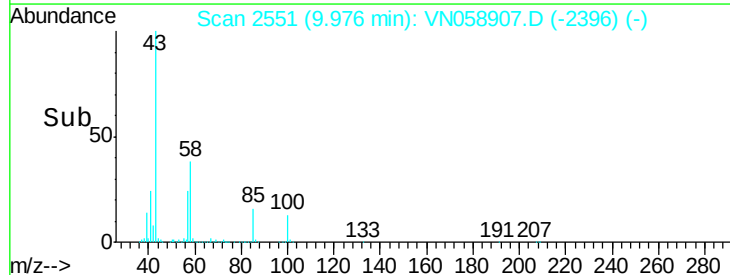
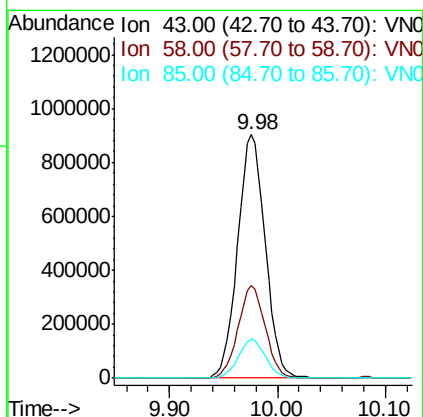
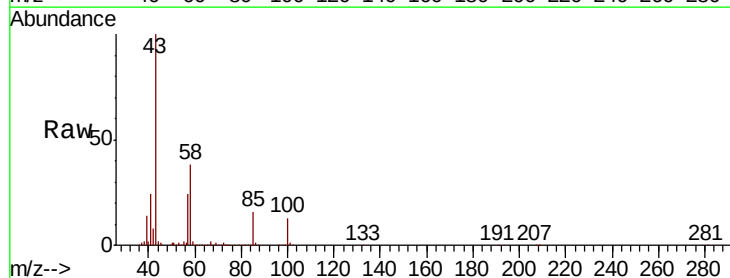
Instrument :
MSVOA_N
ClientSampleId :

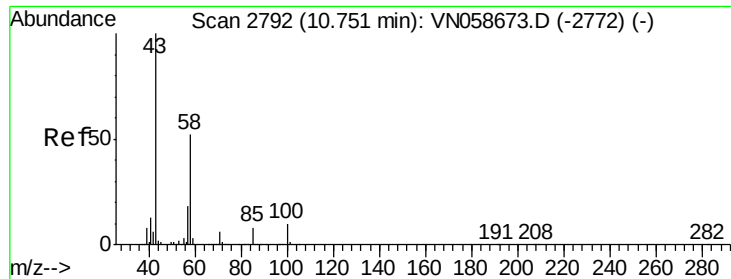
Tot Ion:117 Resp: 512451
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 172.333 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 43 Resp: 1611052
Ion Ratio Lower Upper
43 100
58 37.3 30.1 45.1
85 15.7 13.2 19.8

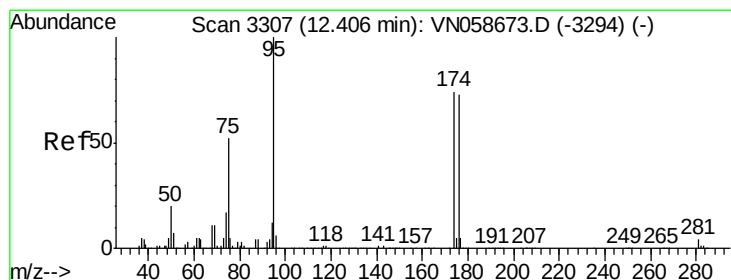
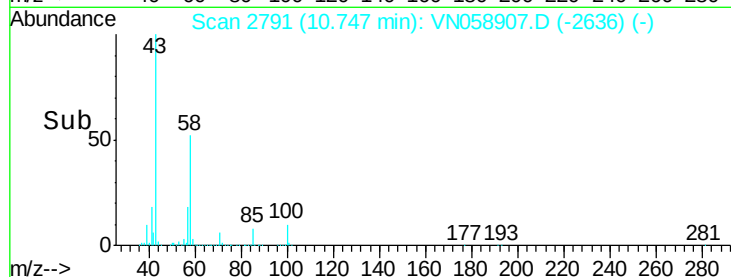
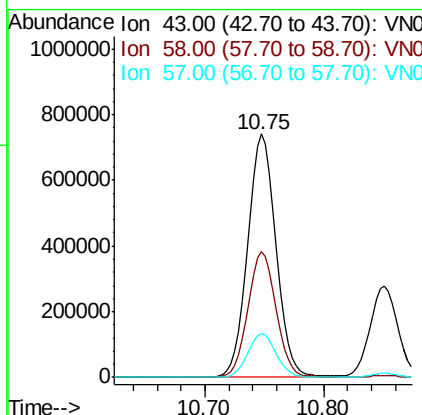
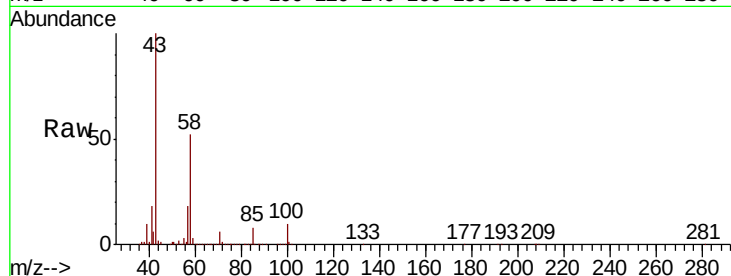




#59
2-Hexanone
Concen: 166.561 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

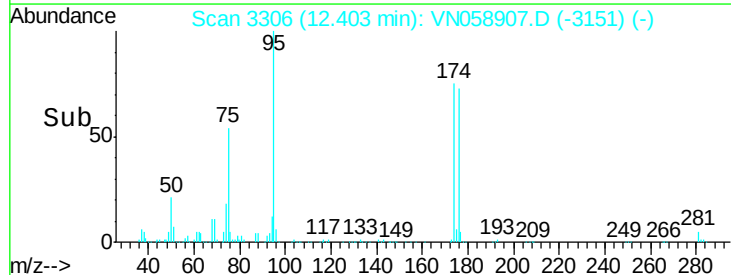
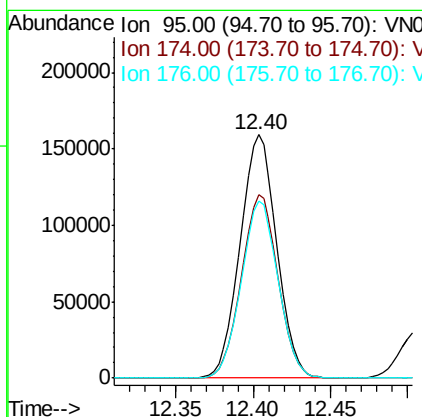
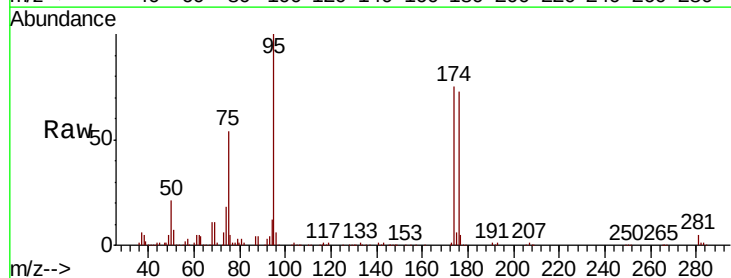
Instrument :
MSVOA_N
ClientSampled :

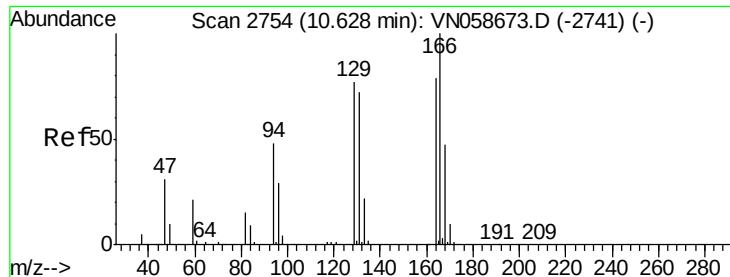
Tot Ion: 43 Resp: 1220710
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.1 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.256 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion: 95 Resp: 262256
Ion Ratio Lower Upper
95 100
174 75.3 59.9 89.9
176 73.1 58.3 87.5





#61

Tetrachloroethene

Concen: 32.600 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 180528

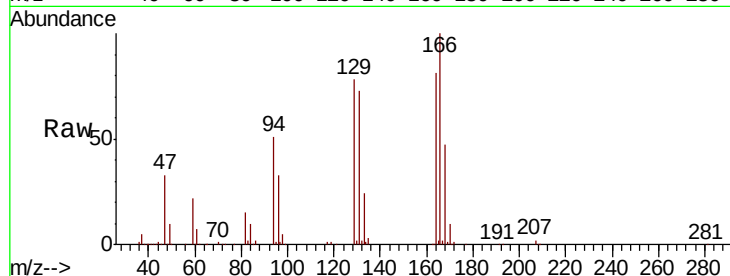
Ion Ratio Lower Upper

164 100

166 124.0 101.4 152.2

129 96.6 78.1 117.1

131 91.2 73.2 109.8

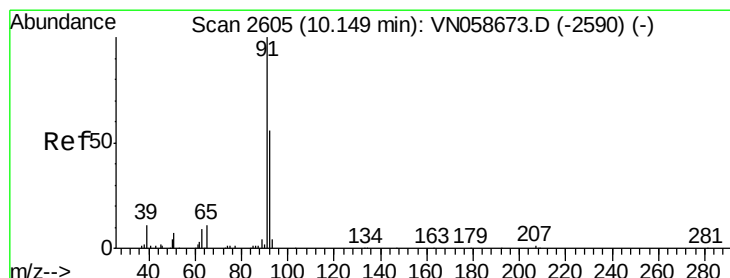
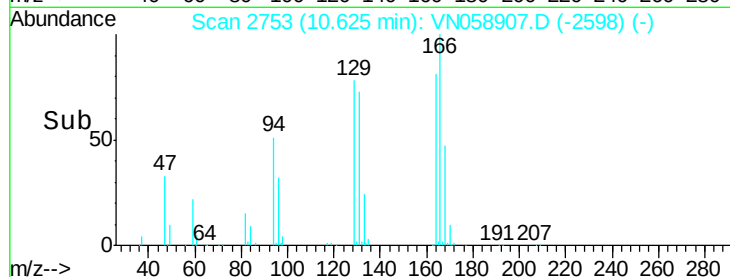
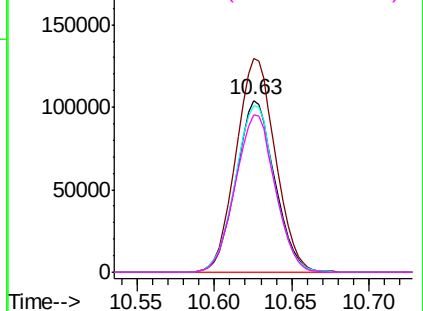


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 32.601 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058907.D

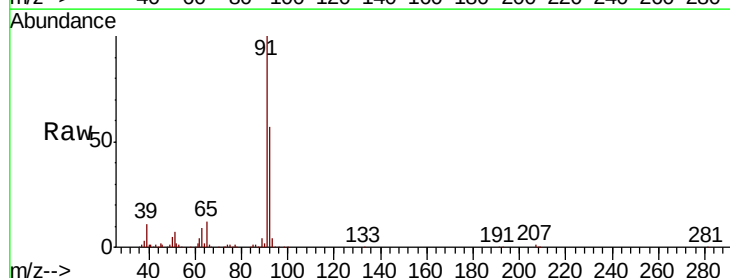
Acq: 22 Oct 2019 14:33

Tgt Ion: 91 Resp: 898661

Ion Ratio Lower Upper

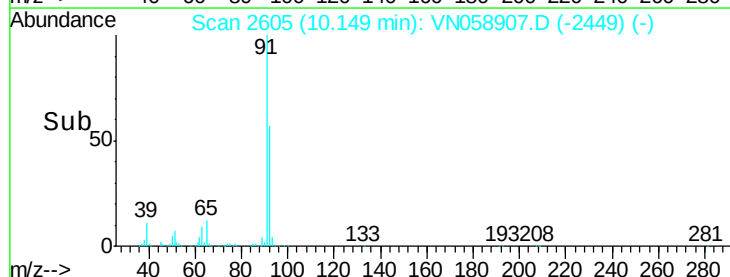
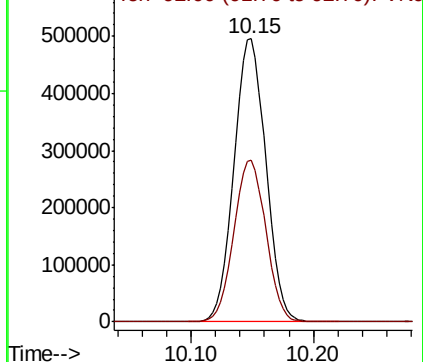
91 100

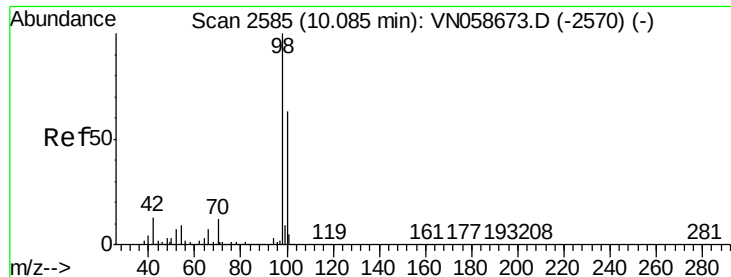
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.269 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

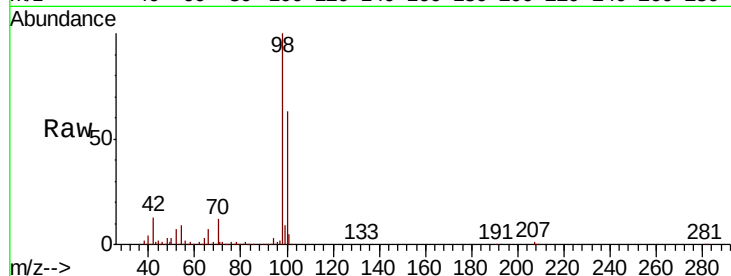
ClientSampleId :

Tot Ion: 98 Resp: 708182

Ion Ratio Lower Upper

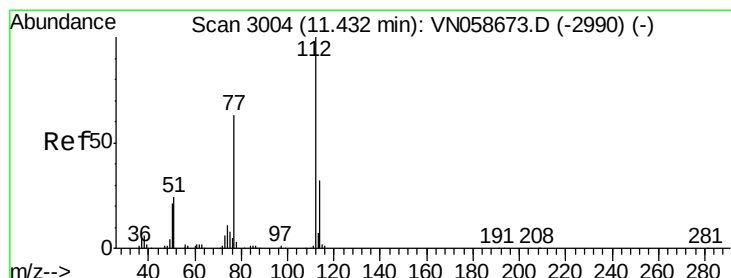
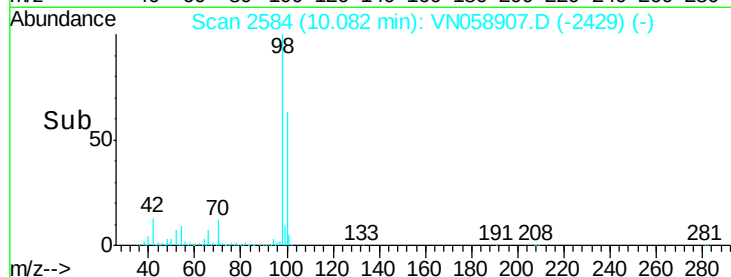
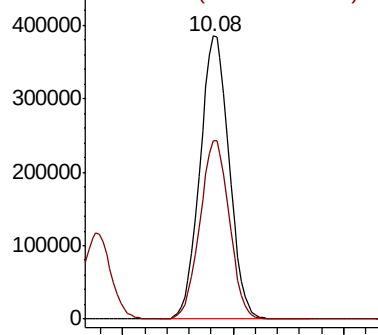
98 100

100 63.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 32.134 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058907.D

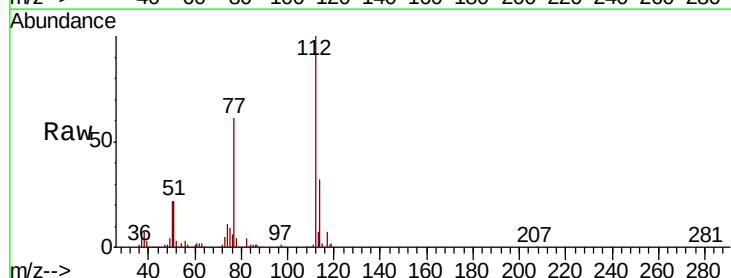
Acq: 22 Oct 2019 14:33

Tgt Ion: 112 Resp: 541548

Ion Ratio Lower Upper

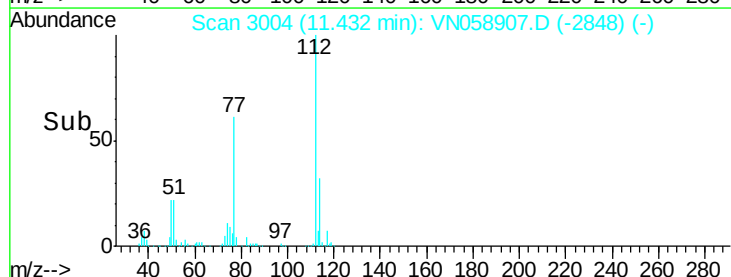
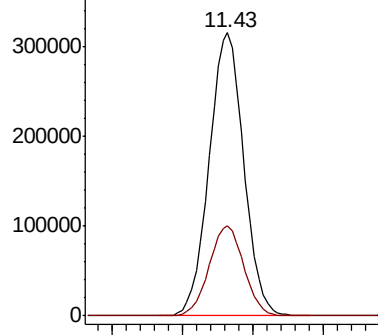
112 100

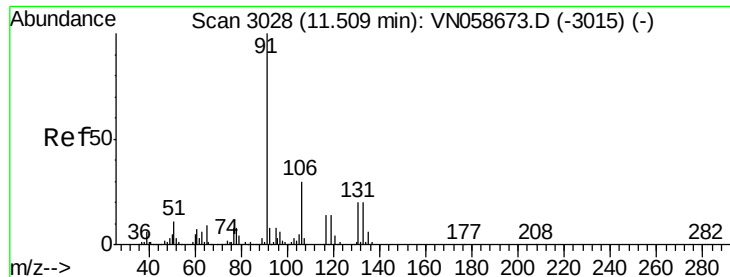
114 31.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

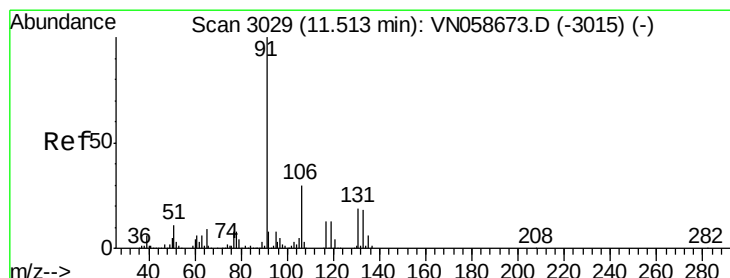
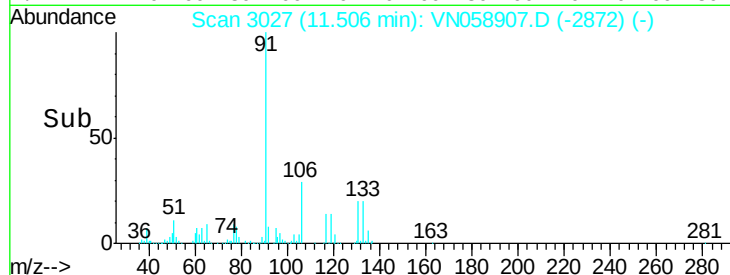
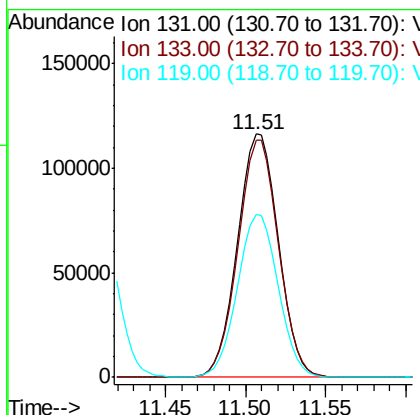
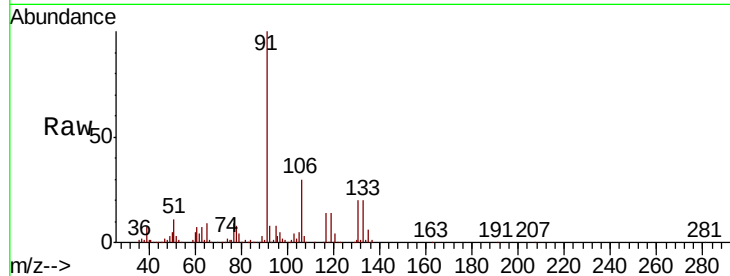




#65
 1,1,1,2-Tetrachloroethane
 Concen: 32.054 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

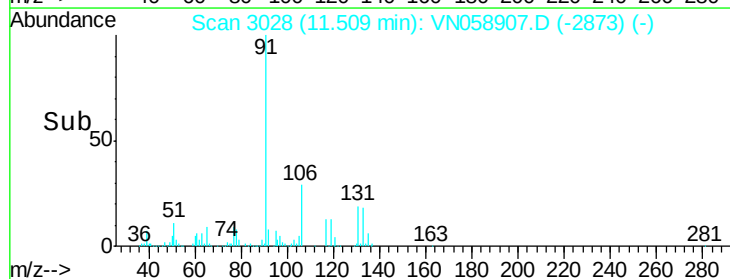
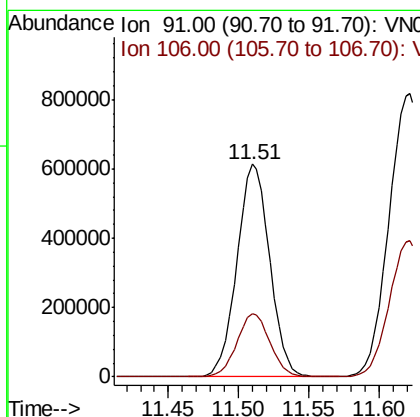
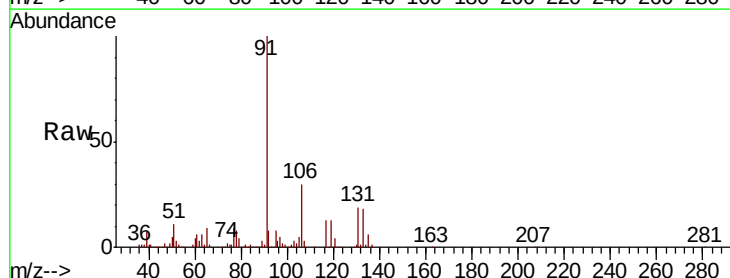
Instrument :
 MSVOA_N
 ClientSampled :

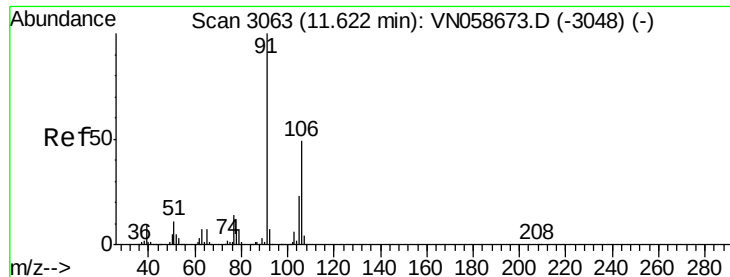
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.8	0.0	194.0
119	66.9	0.0	136.8



#66
 Ethyl Benzene
 Concen: 32.752 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4

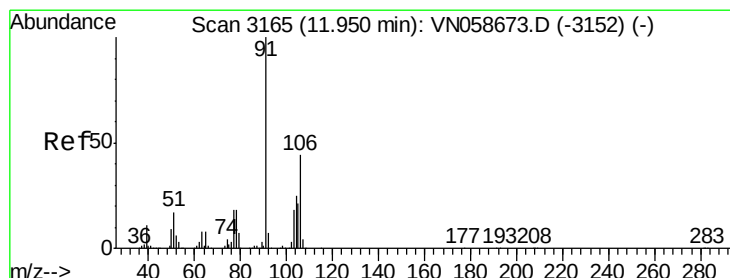
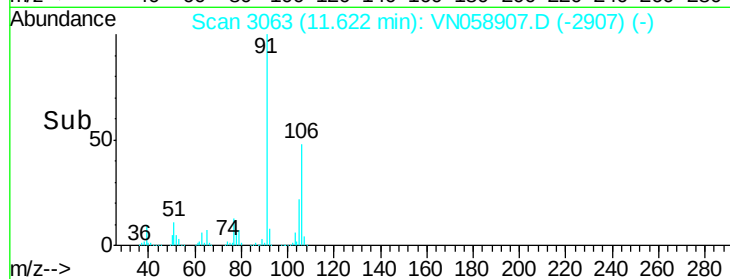
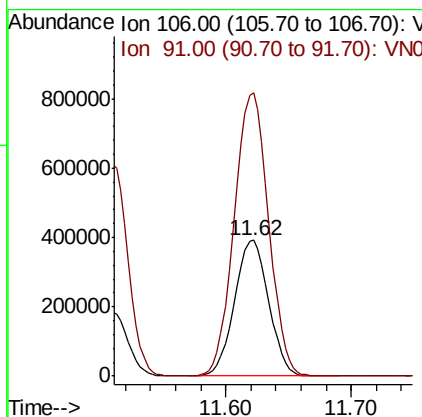
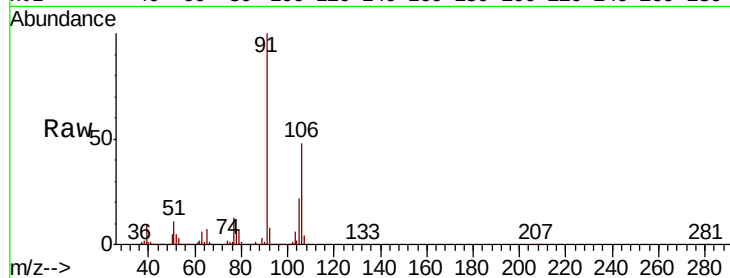




#67
m/p-Xylenes
Concen: 64.899 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

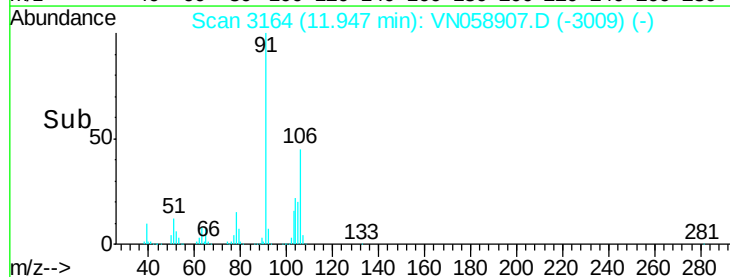
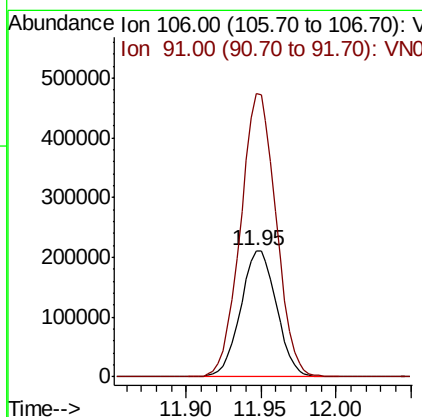
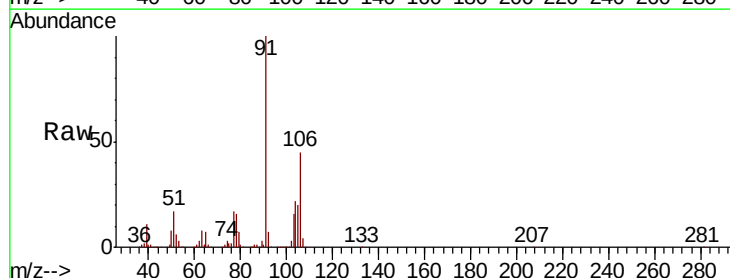
Instrument :
MSVOA_N
ClientSampled :

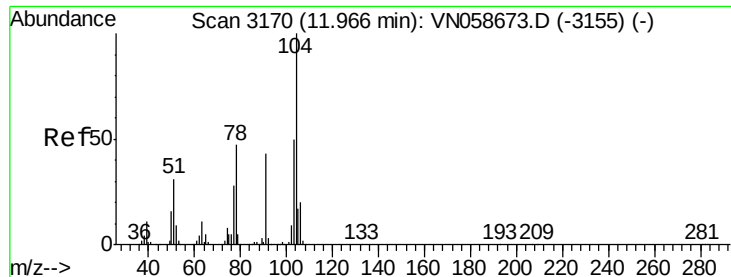
Tot Ion:106 Resp: 740061
Ion Ratio Lower Upper
106 100
91 210.1 165.6 248.4



#68
o-Xylene
Concen: 31.894 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion:106 Resp: 352588
Ion Ratio Lower Upper
106 100
91 222.3 109.8 329.4

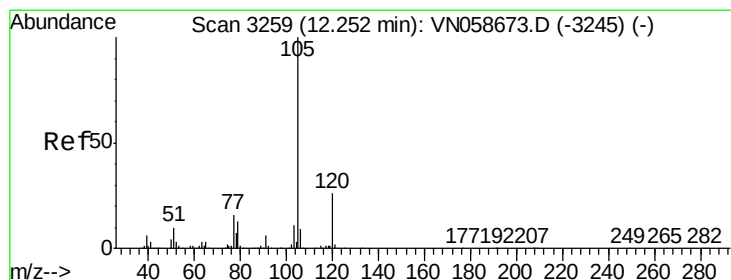
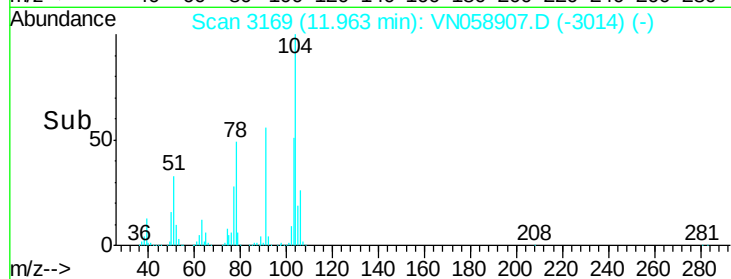
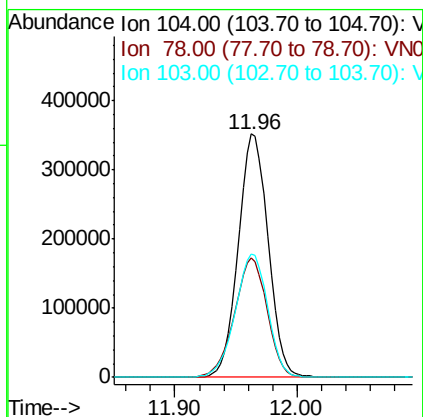
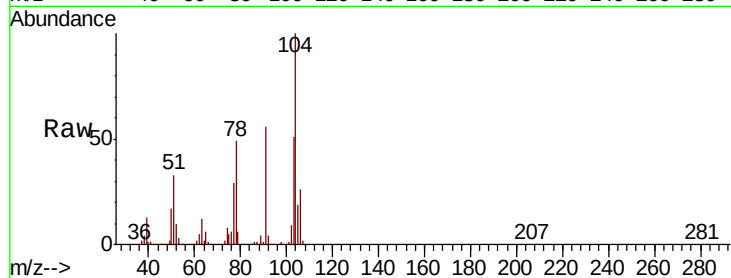




#69
Stvrene
Concen: 32.567 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

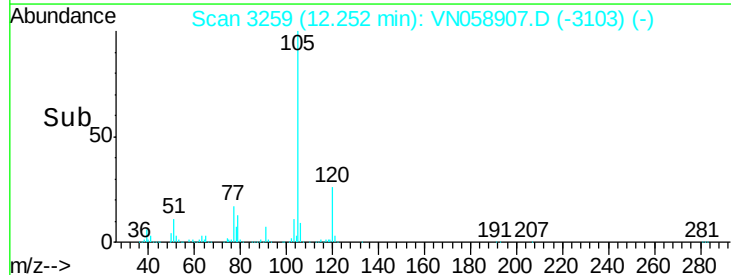
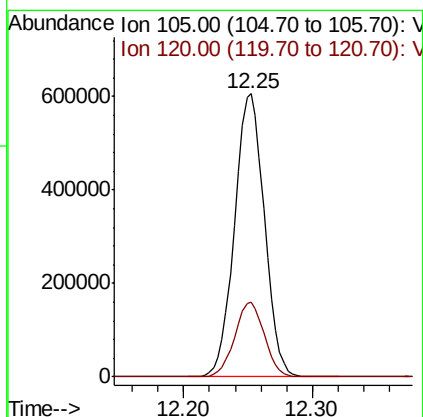
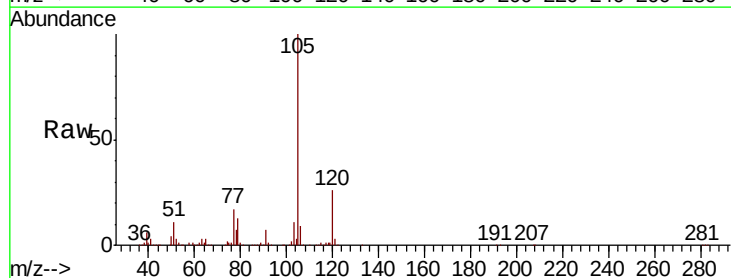
Instrument :
MSVOA_N
ClientSampled :

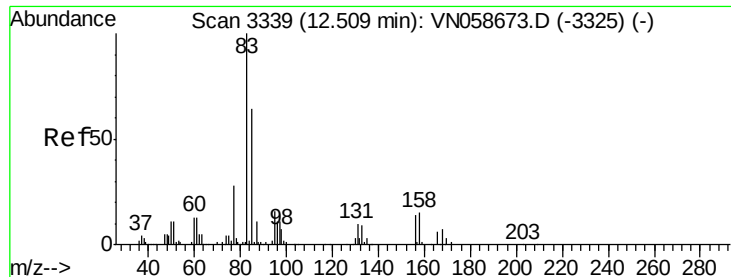
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.4	63.6
103	55.2	44.6	66.8



#70
Isopropylbenzene
Concen: 32.613 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2

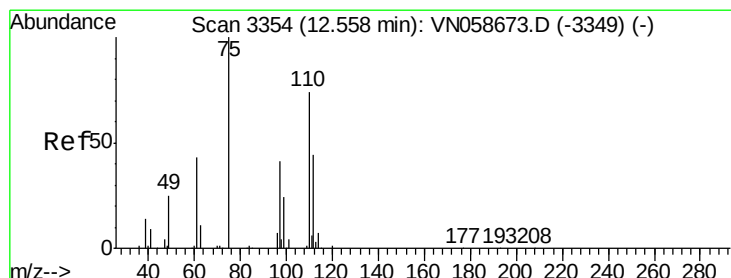
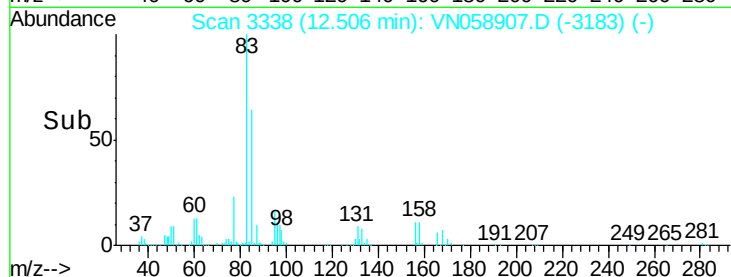
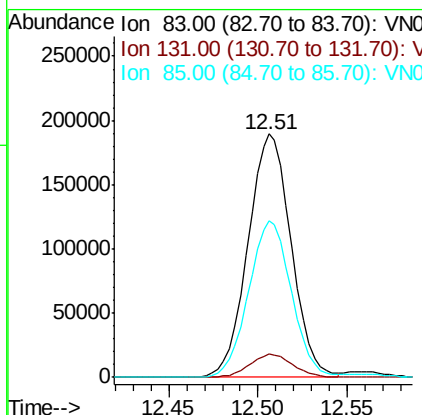
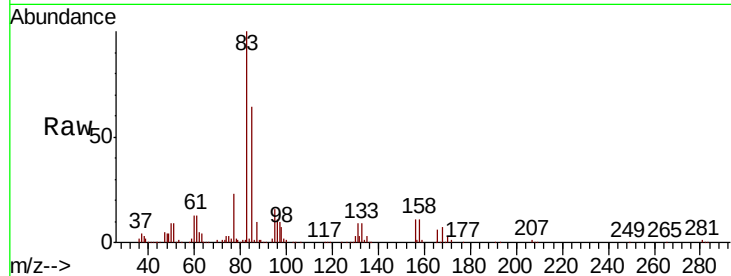




#71
 1,1,2,2-Tetrachloroethane
 Concen: 31.852 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

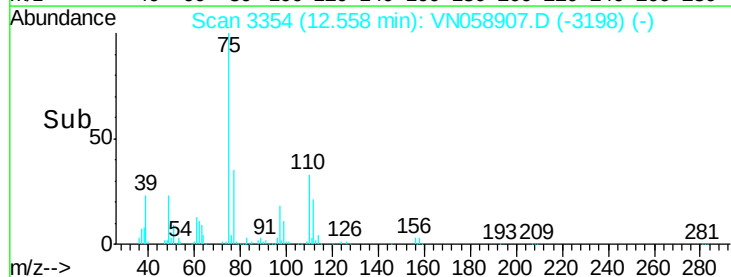
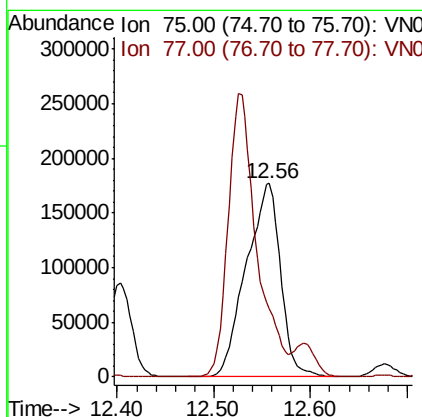
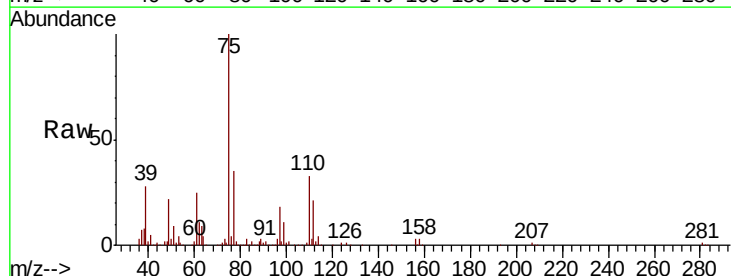
Instrument :
 MSVOA_N
 ClientSampled :

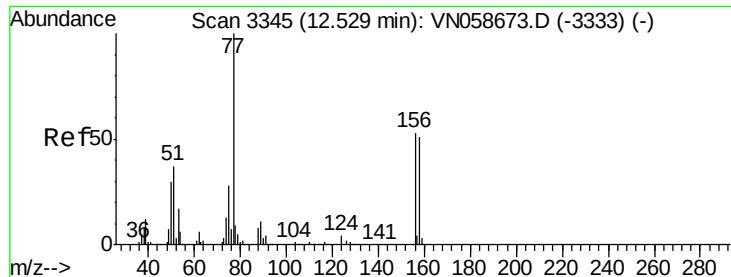
Tot Ion	83	Resp	320046
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.7	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 47.918 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	75	Resp	436277
Ion Ratio	Lower	Upper	
75	100		
77	121.9	0.0	359.4





#73

Bromobenzene

Concen: 31.597 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

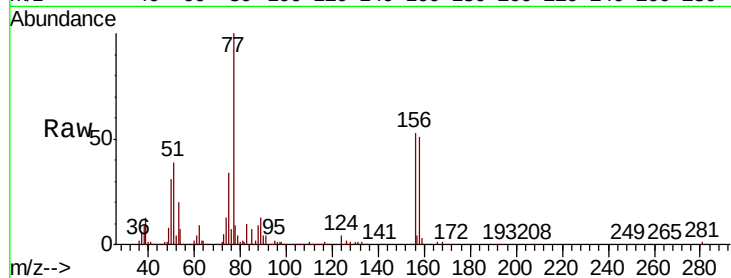
Tot Ion:156 Resp: 229061

Ion Ratio Lower Upper

156 100

77 232.2 0.0 456.0

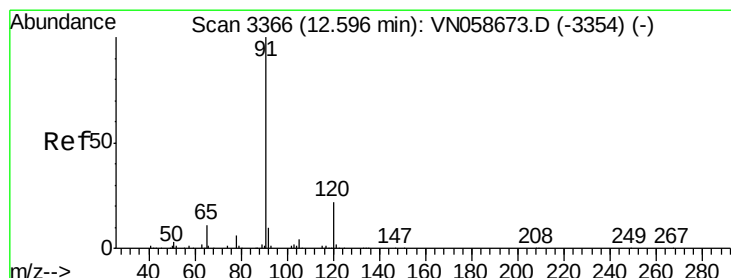
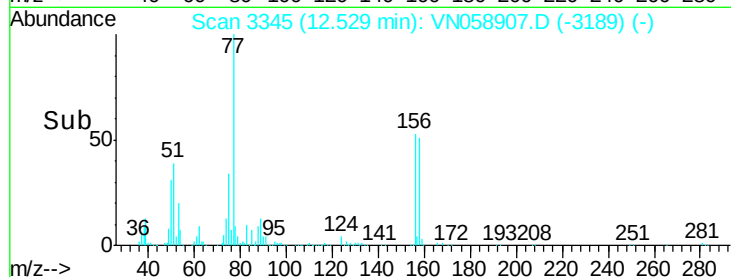
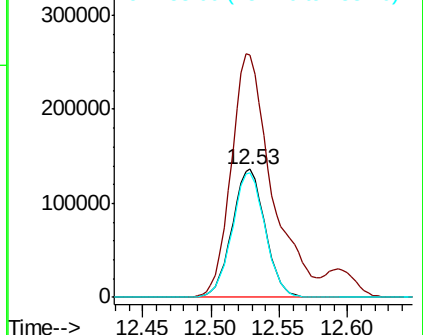
158 97.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 34.005 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058907.D

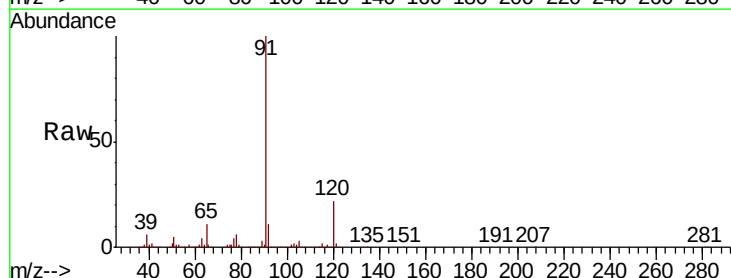
Acq: 22 Oct 2019 14:33

Tgt Ion: 91 Resp: 1187960

Ion Ratio Lower Upper

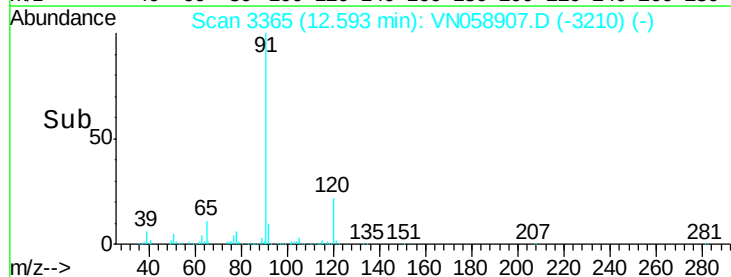
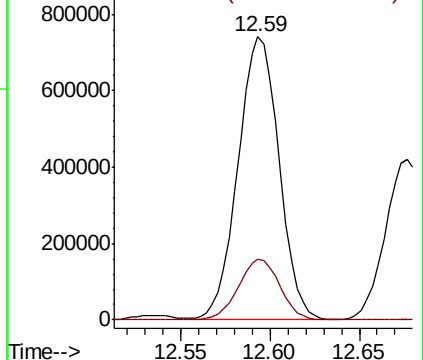
91 100

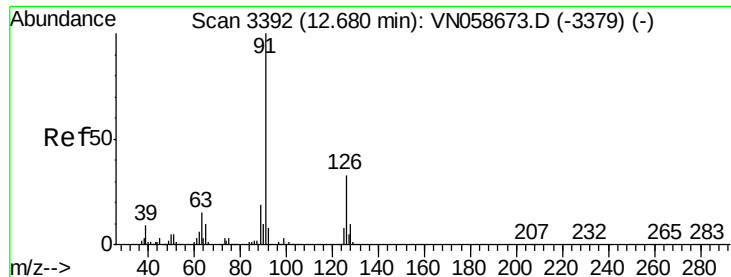
120 21.6 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 33.059 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

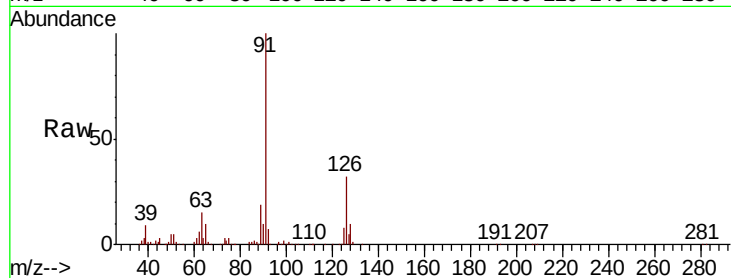
ClientSampled :

Tot Ion: 91 Resp: 694866

Ion Ratio Lower Upper

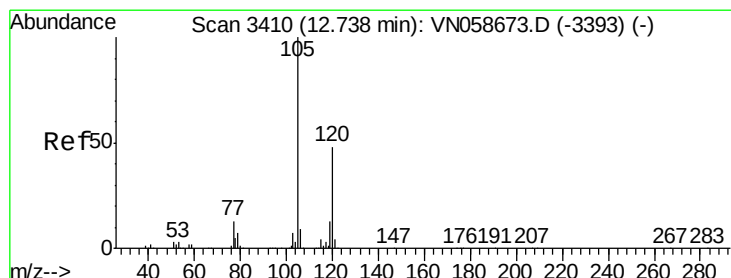
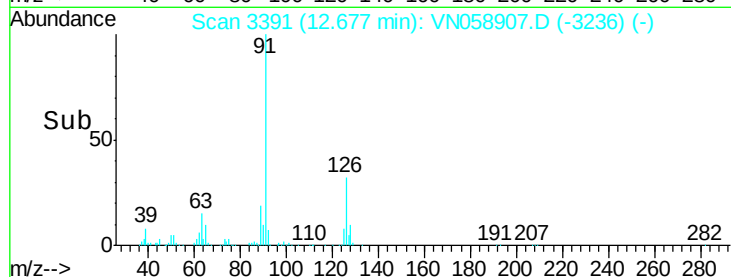
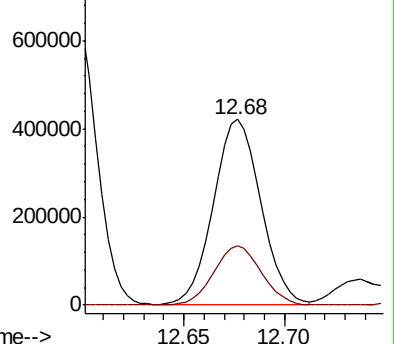
91 100

126 31.9 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 33.177 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058907.D

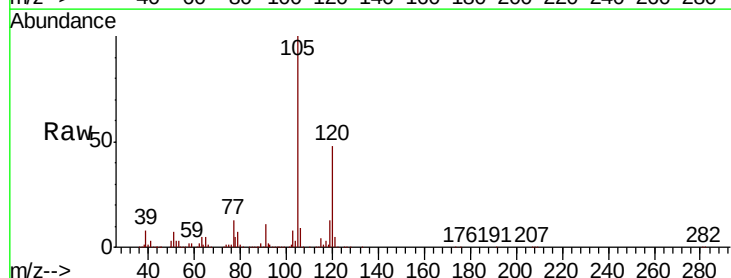
Acq: 22 Oct 2019 14:33

Tgt Ion: 105 Resp: 848116

Ion Ratio Lower Upper

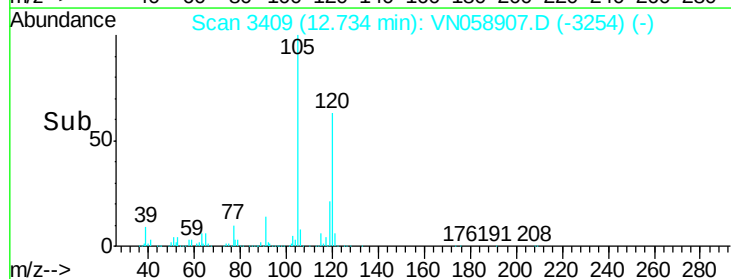
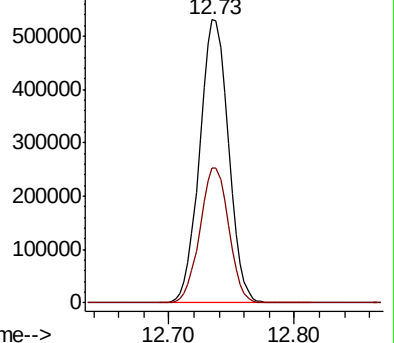
105 100

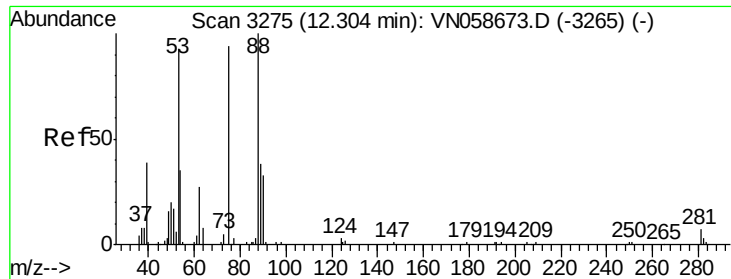
120 47.7 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

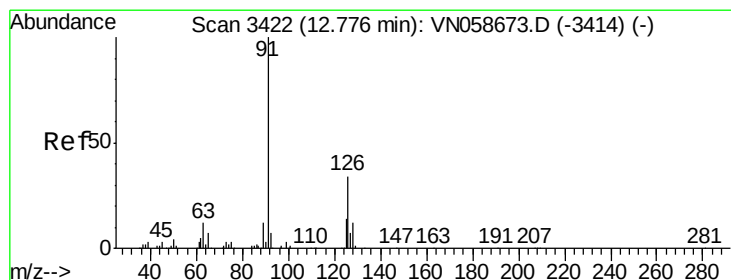
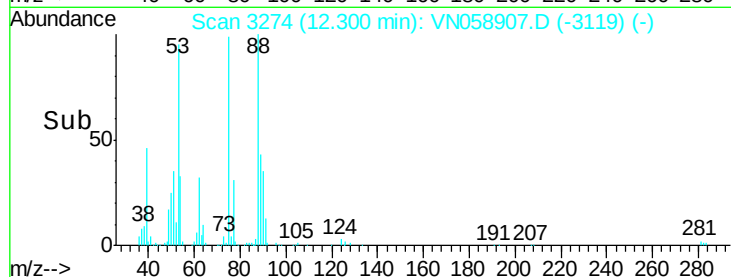
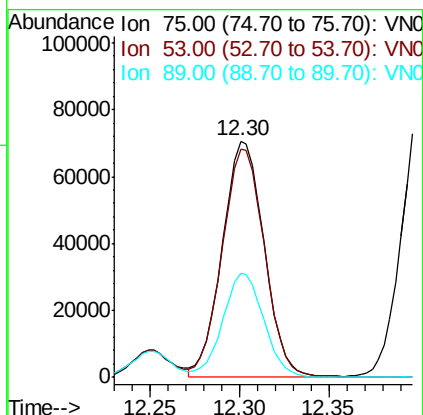
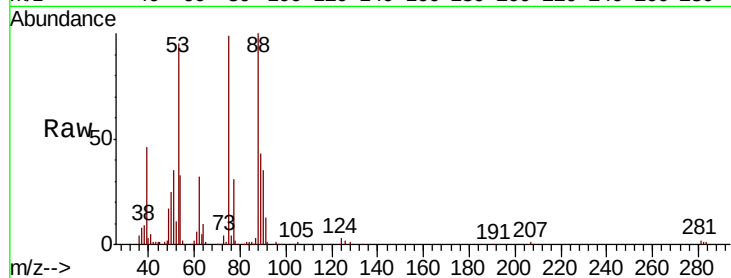




#77
t-1,4-Dichloro-2-butene
Concen: 33.247 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

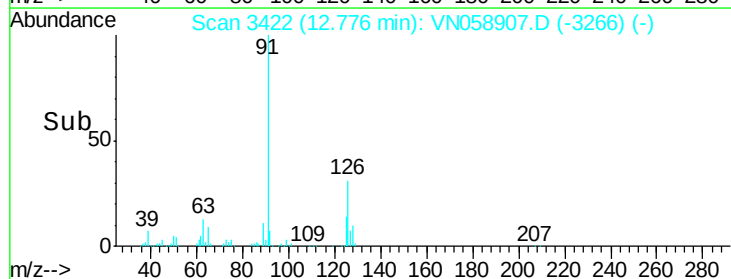
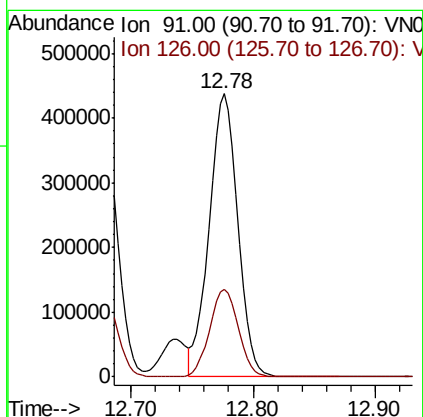
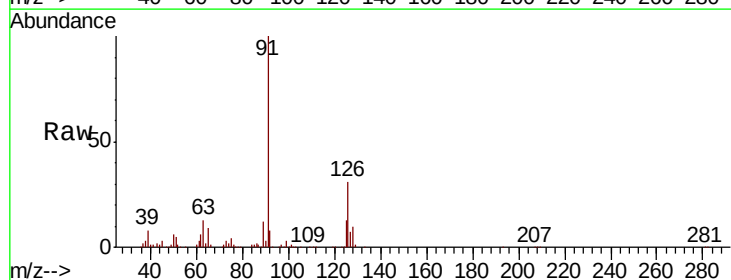
Instrument :
MSVOA_N
ClientSampled :

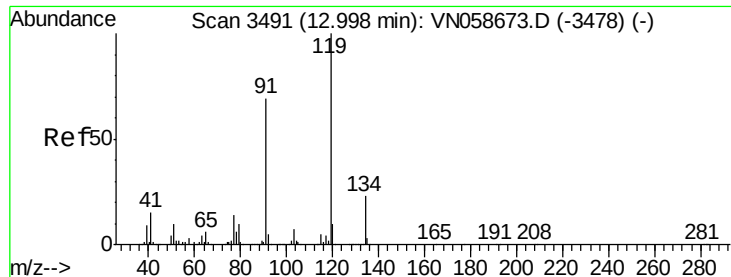
Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	50.0	150.0
89	44.0	20.7	62.1



#78
4-Chlorotoluene
Concen: 33.174 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.4

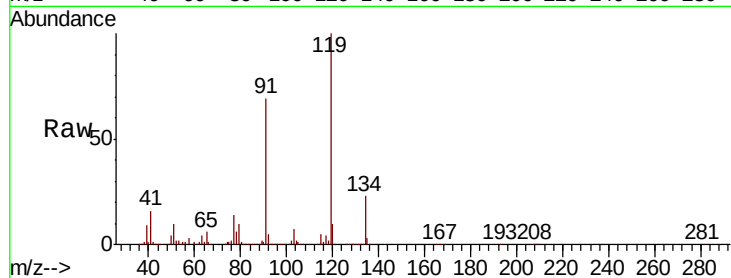




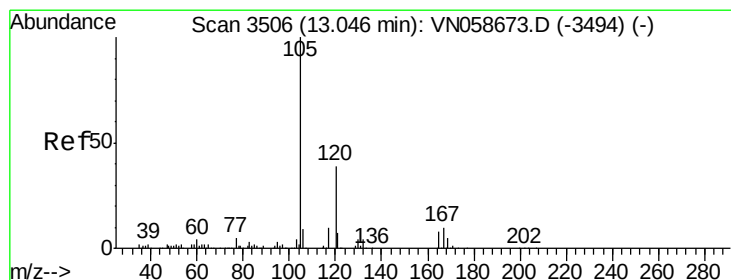
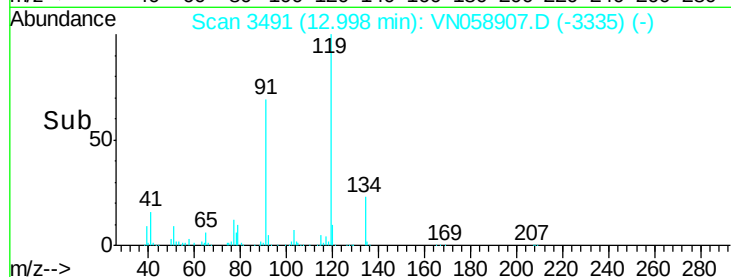
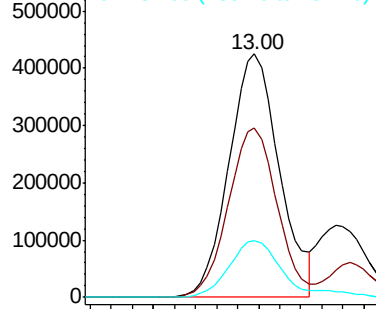
#79
tert-butylbenzene
Concen: 32.374 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 707047
Ion Ratio Lower Upper
119 100
91 67.9 0.0 136.4
134 23.4 0.0 47.2

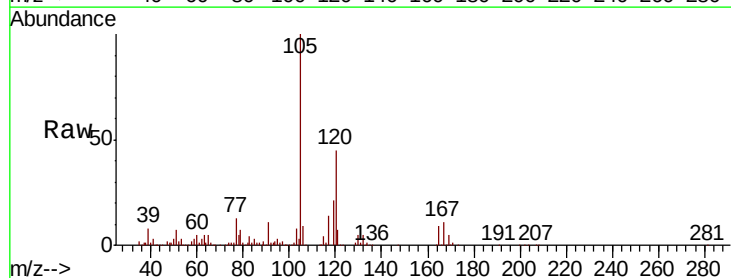


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

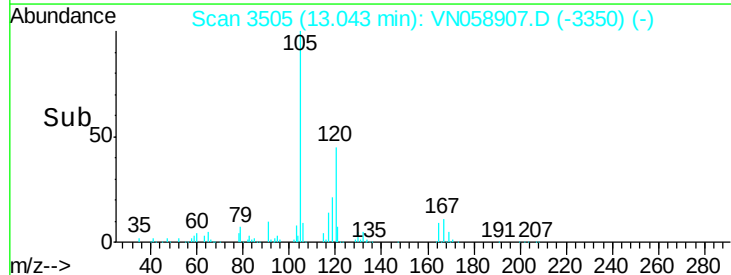
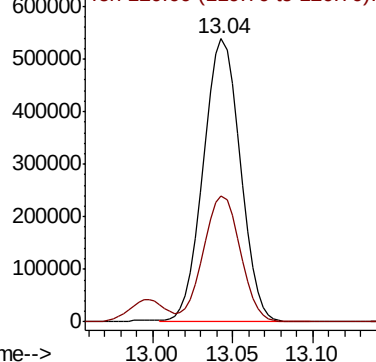


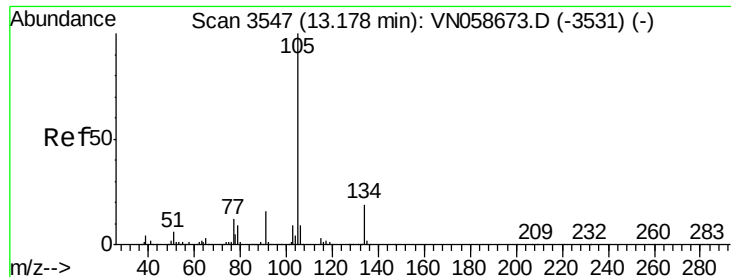
#80
1,2,4-Trimethylbenzene
Concen: 33.374 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058907.D
Acq: 22 Oct 2019 14:33

Tgt Ion:105 Resp: 847746
Ion Ratio Lower Upper
105 100
120 44.6 0.0 89.2



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





#81

sec-Butylbenzene

Concen: 33.109 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

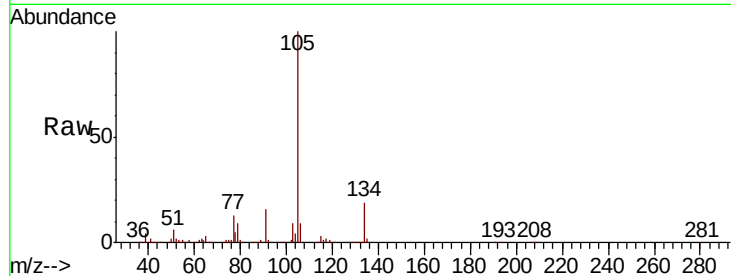
ClientSampled :

Tot Ion:105 Resp: 973130

Ion Ratio Lower Upper

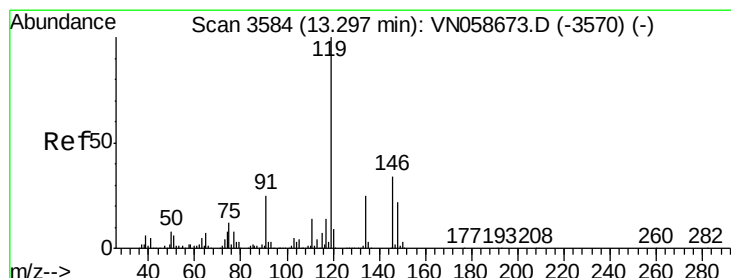
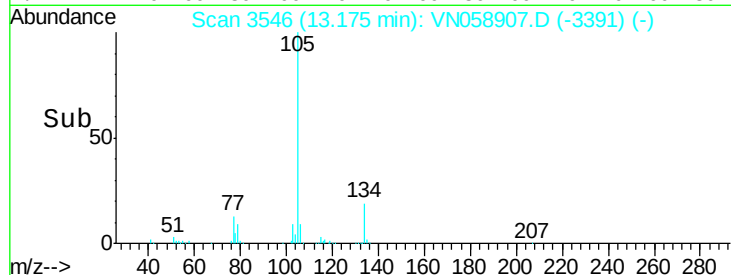
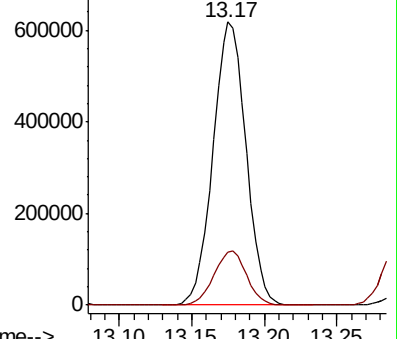
105 100

134 19.1 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 33.181 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

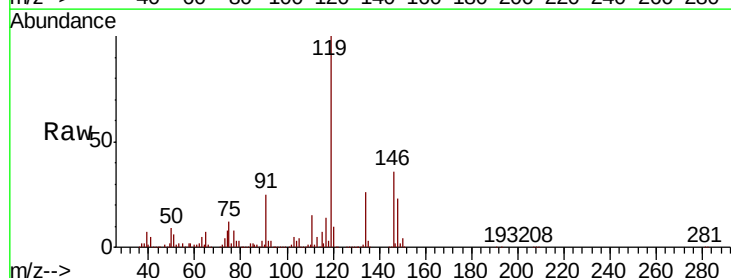
Tgt Ion:119 Resp: 875750

Ion Ratio Lower Upper

119 100

134 26.0 0.0 50.8

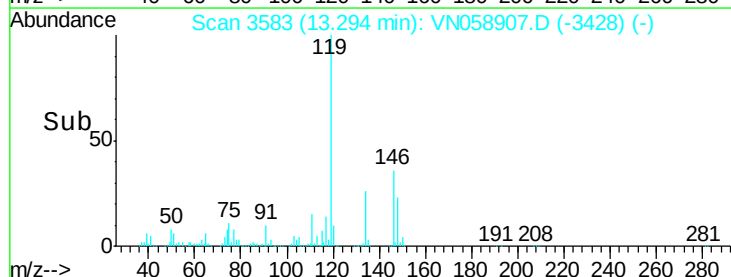
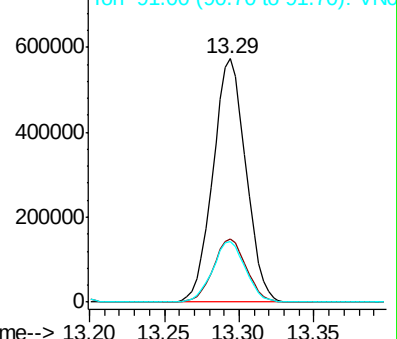
91 24.8 0.0 49.4

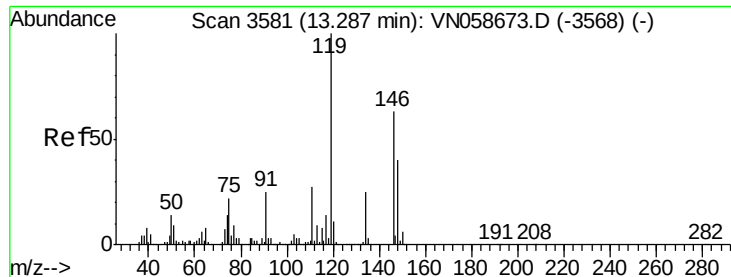


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 32.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

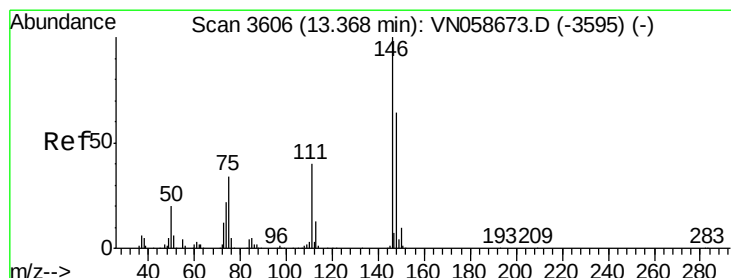
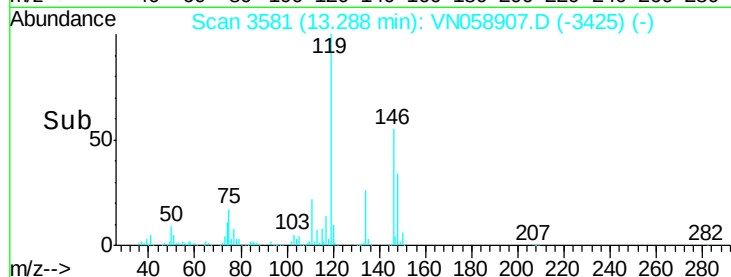
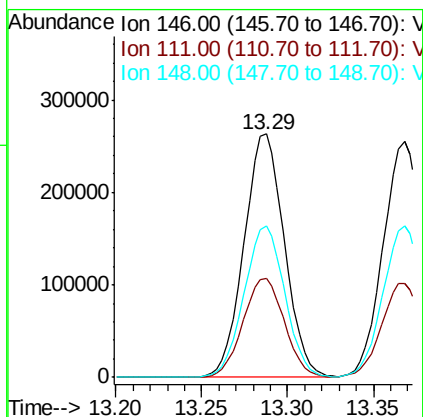
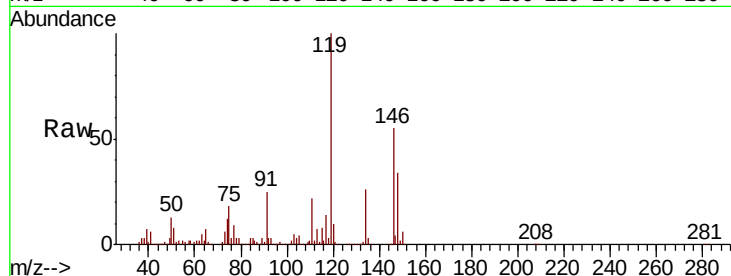
Tot Ion:146 Resp: 428988

Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

148 62.6 31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 32.015 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

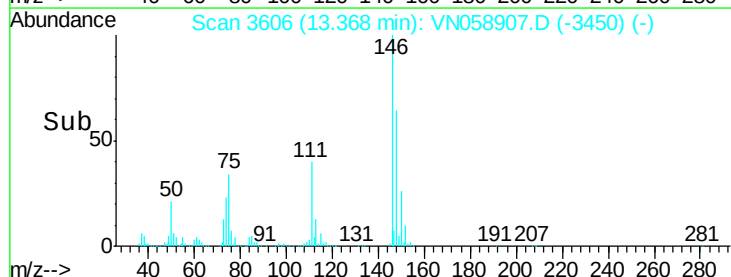
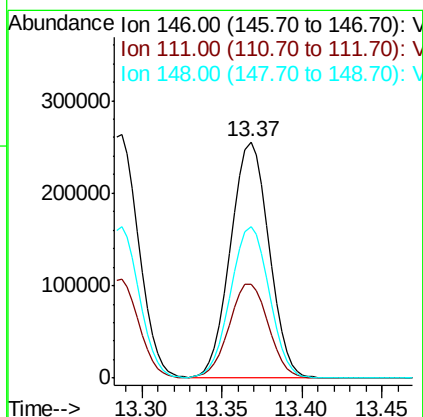
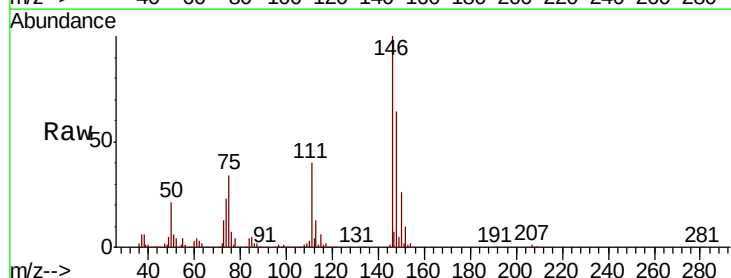
Tgt Ion:146 Resp: 419486

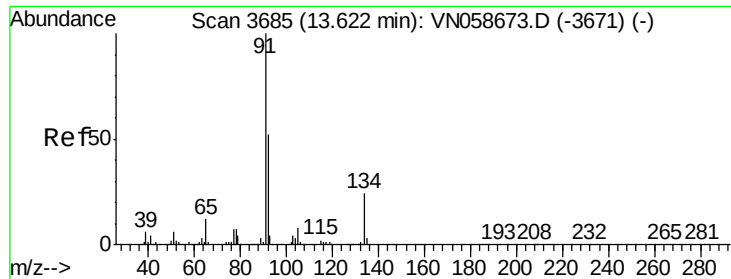
Ion Ratio Lower Upper

146 100

111 40.8 19.8 59.4

148 64.3 31.6 94.8





#85

n-Butylbenzene

Concen: 33.200 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058907.D

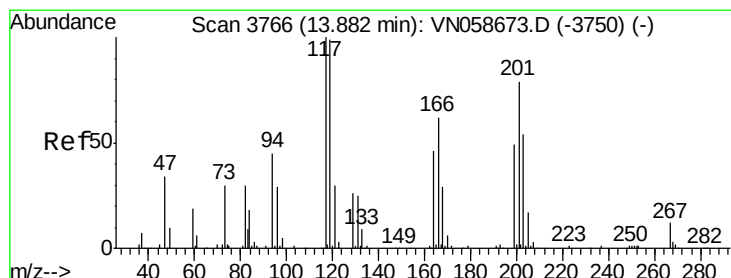
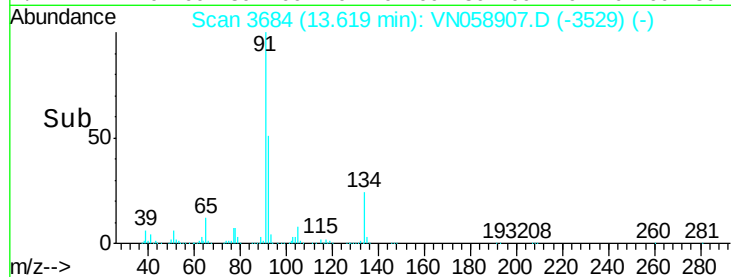
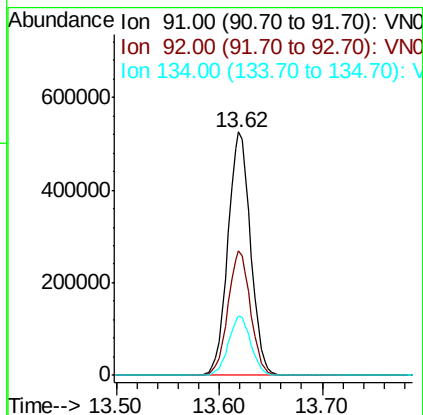
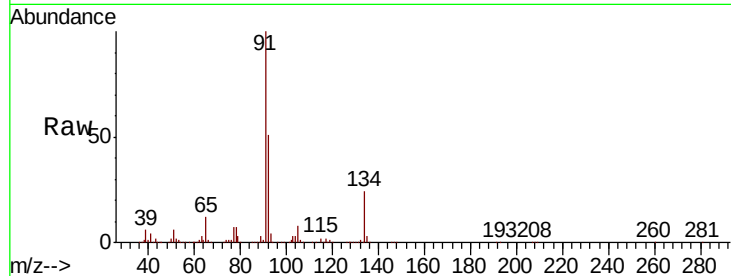
Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	91	Resp:	802255
Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	102.8
134	23.9	0.0	48.6



#86

Hexachloroethane

Concen: 33.578 ug/l

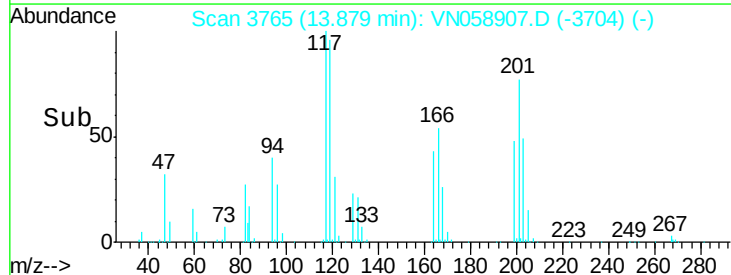
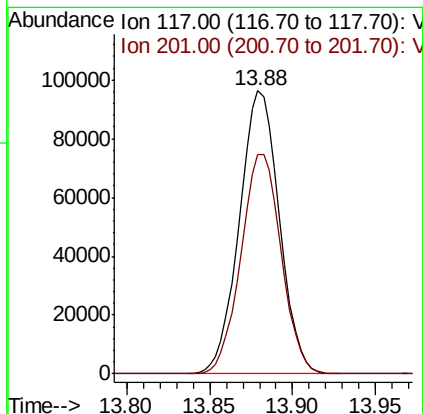
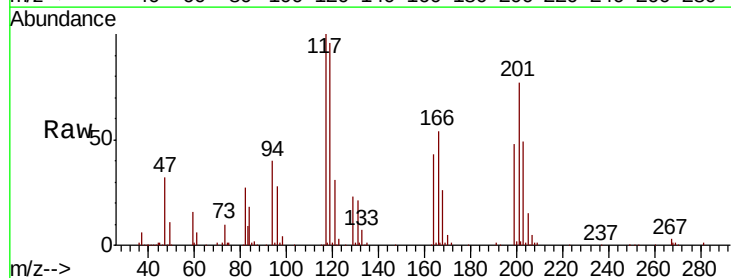
RT: 13.88 min Scan# 3765

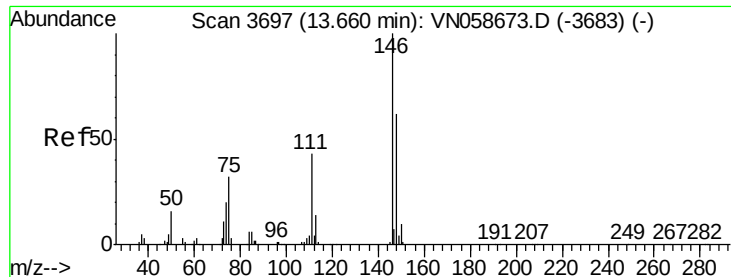
Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Tgt Ion:	117	Resp:	161283
Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.7	116.1

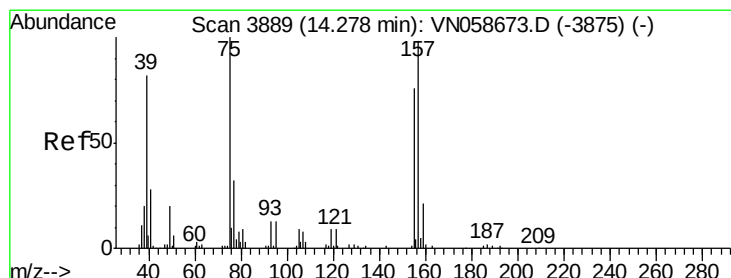
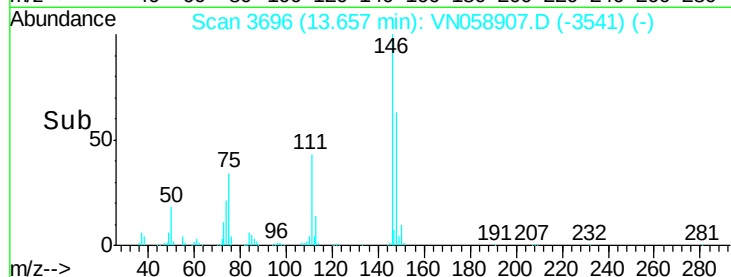
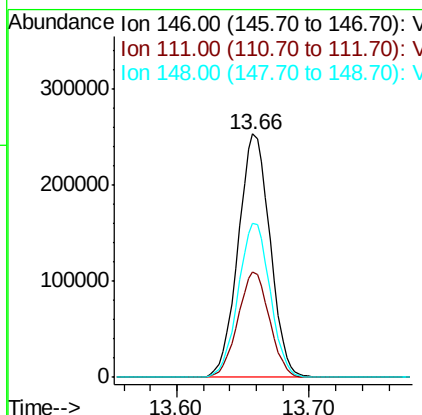
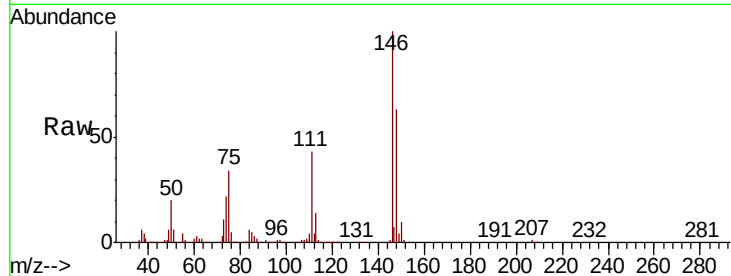




#87
 1,2-Dichlorobenzene
 Concen: 32.571 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

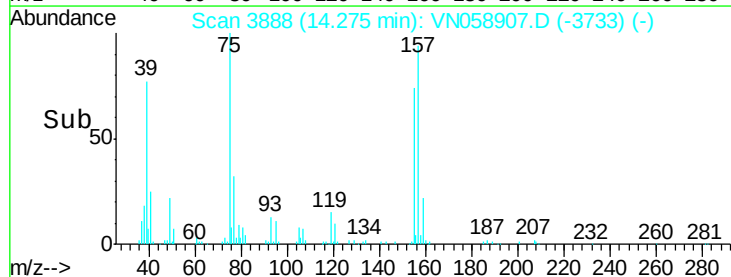
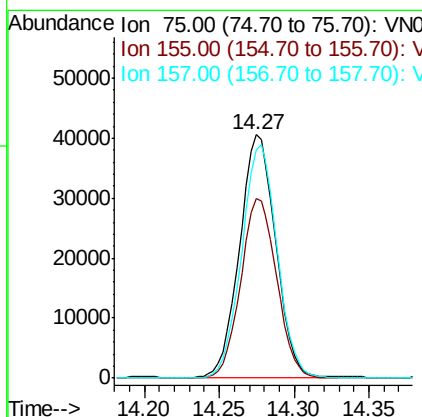
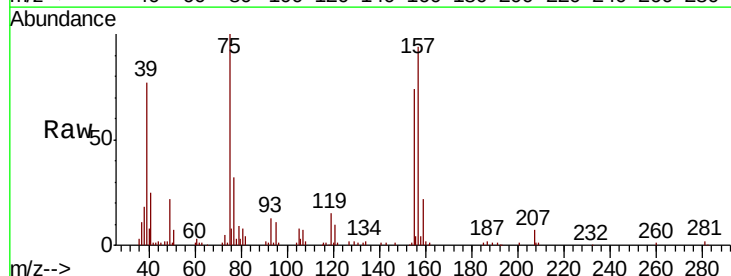
Instrument :
 MSVOA_N
 ClientSampleId :

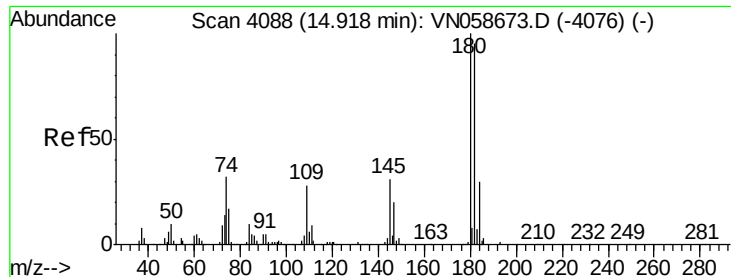
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.6	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 30.702 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	58.3	87.5
157	93.7	75.0	112.6

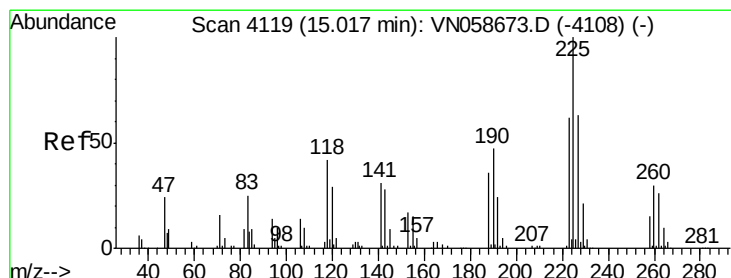
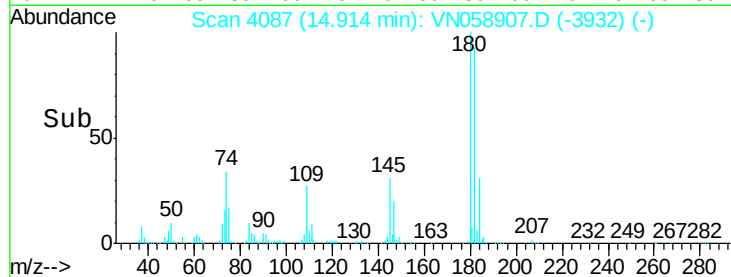
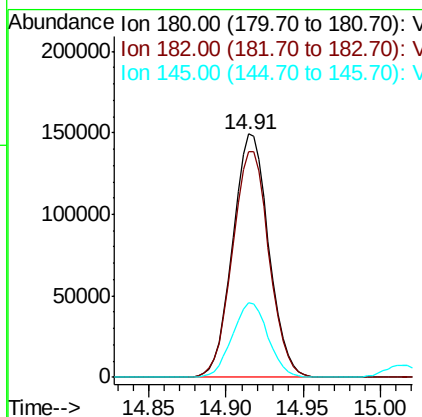
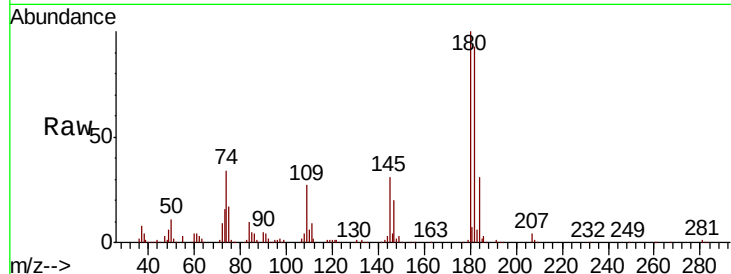




#89
 1,2,4-Trichlorobenzene
 Concen: 29.508 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

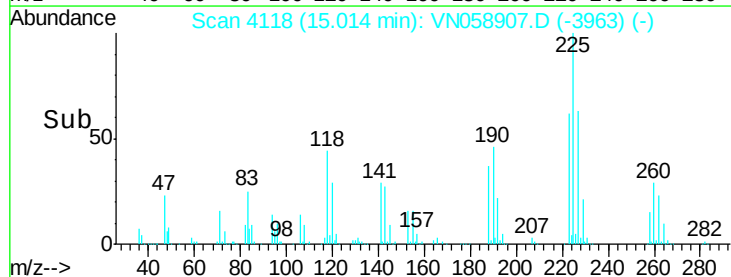
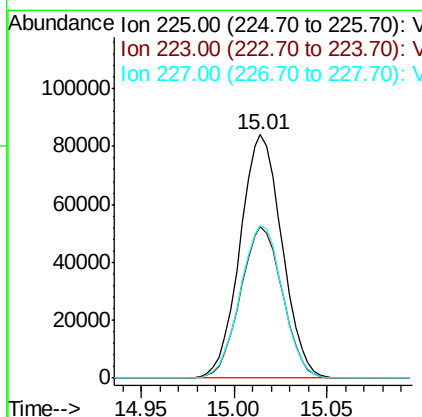
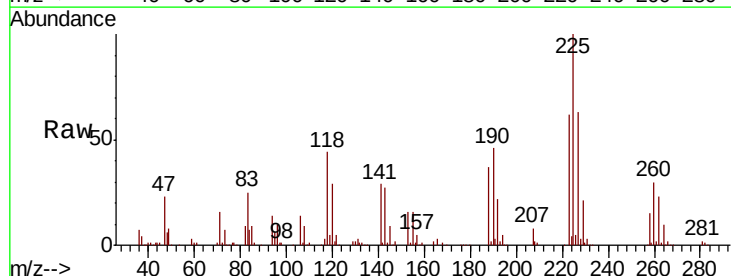
Instrument :
 MSVOA_N
 ClientSampleId :

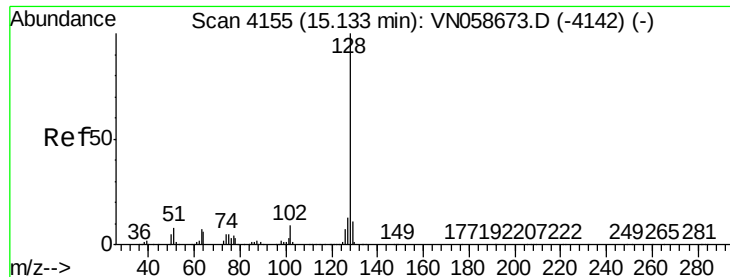
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.3	112.9
145	30.5	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 31.386 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058907.D
 Acq: 22 Oct 2019 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.2
227	63.5	0.0	127.0





#91

Naphthalene

Concen: 27.639 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

Instrument :

MSVOA_N

ClientSampled :

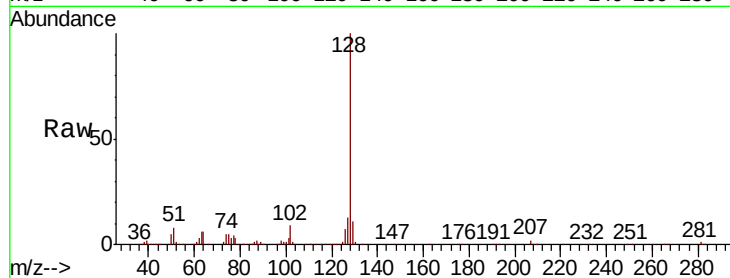
Tot Ion:128 Resp: 667283

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

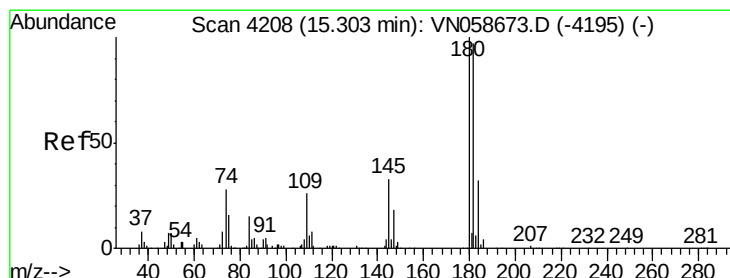
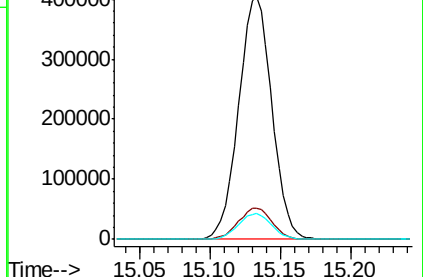
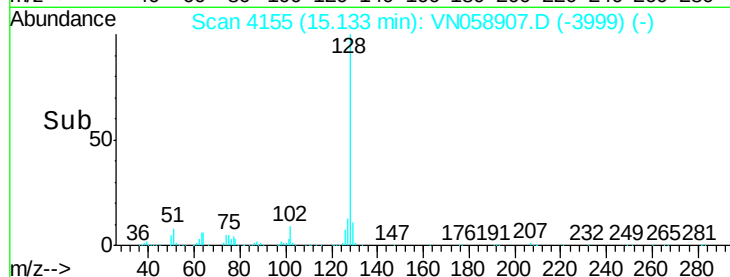
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 29.478 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058907.D

Acq: 22 Oct 2019 14:33

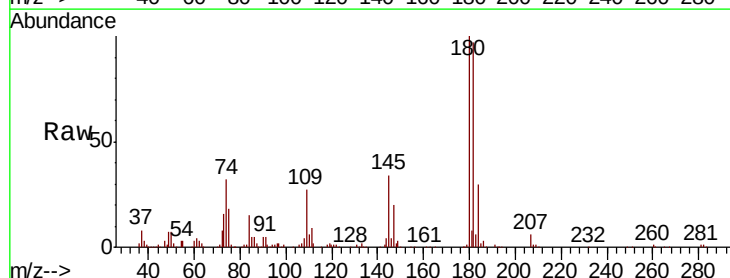
Tgt Ion:180 Resp: 234648

Ion Ratio Lower Upper

180 100

182 94.8 0.0 193.4

145 32.5 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

