

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058307.D
 Acq On : 23 Sep 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 01:37:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	446389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	752543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	694551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325927	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.58	113	233893	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.08	98	909863	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.41	95	336815	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	156763	42.750	ug/l	100
3) Chloromethane	2.04	50	138794	49.085	ug/l	99
4) Vinyl Chloride	2.17	62	154620	50.025	ug/l	96
5) Bromomethane	2.54	94	86411	52.772	ug/l	93
6) Chloroethane	2.68	64	105823	53.573	ug/l	99
7) Trichlorofluoromethane	3.00	101	232724	46.496	ug/l	97
8) Diethyl Ether	3.39	74	108512	47.315	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	168332	46.646	ug/l	99
10) Methyl Iodide	3.93	142	153396	50.728	ug/l	99
11) Tert butyl alcohol	4.76	59	216015	292.083	ug/l	99
12) 1,1-Dichloroethene	3.72	96	135885	49.615	ug/l	96
13) Acrolein	3.59	56	47795	436.082	ug/l	95
14) Allyl chloride	4.30	41	247927	41.985	ug/l	88
15) Acrylonitrile	4.96	53	581368	295.049	ug/l	100
16) Acetone	3.80	43	504093	238.860	ug/l	97
17) Carbon Disulfide	4.03	76	161827	42.023	ug/l	98
18) Methyl Acetate	4.30	43	309627	55.757	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	719123	52.834	ug/l	98
20) Methylene Chloride	4.53	84	194155	52.558	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	145717	48.819	ug/l	98
22) Diisopropyl ether	5.93	45	792565	52.837	ug/l	97
23) Vinyl Acetate	5.87	43	2909766	283.494	ug/l	100
24) 1,1-Dichloroethane	5.83	63	407733	50.929	ug/l	100
25) 2-Butanone	6.81	43	803082	279.315	ug/l	100
26) 2,2-Dichloropropane	6.81	77	291433	42.909	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	223710	49.419	ug/l	99
28) Bromochloromethane	7.18	49	199019	52.550	ug/l #	98
29) Tetrahydrofuran	7.19	42	505290	285.308	ug/l	99
30) Chloroform	7.36	83	445034	51.643	ug/l	97
31) Cyclohexane	7.64	56	249282	48.078	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	338889	51.657	ug/l	98
36) 1,1-Dichloropropene	7.78	75	246916	45.498	ug/l	99
37) Ethyl Acetate	6.91	43	325522	57.799	ug/l	100
38) Carbon Tetrachloride	7.76	117	267036	48.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	242348	46.192	ug/l	96
40) Benzene	8.03	78	822122	49.598	ug/l	99
41) Methacrylonitrile	7.19	41	492008	171.162	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	360480	51.828	ug/l	100
43) Isopropyl Acetate	8.15	43	559368	53.180	ug/l #	92
44) Trichloroethene	8.83	130	199477	49.177	ug/l	98
45) 1,2-Dichloropropane	9.11	63	260639	52.653	ug/l	99
46) Dibromomethane	9.20	93	155437	51.647	ug/l	99
47) Bromodichloromethane	9.40	83	339042	53.773	ug/l	99
48) Methyl methacrylate	9.19	41	270396	56.618	ug/l	100
49) 1,4-Dioxane	9.19	88	95952	1223.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1806835	323.407	ug/l	99
52) Toluene	10.15	92	520977	50.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	353169	54.682	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	368936	51.739	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252150	54.696	ug/l	98
56) Ethyl methacrylate	10.43	69	376367	56.584	ug/l	99
57) 1,3-Dichloropropane	10.71	76	429689	54.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	915811	289.056	ug/l	100
59) 2-Hexanone	10.75	43	1302575	313.925	ug/l	98
60) Dibromochloromethane	10.90	129	249047	56.154	ug/l	100
61) 1,2-Dibromoethane	11.01	107	234725	54.941	ug/l	100
64) Tetrachloroethene	10.63	164	161638	47.740	ug/l	99
65) Chlorobenzene	11.44	112	613697	50.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237881	53.700	ug/l	98
67) Ethyl Benzene	11.51	91	1096180	52.366	ug/l	100
68) m/p-Xylenes	11.63	106	795666	100.921	ug/l	98
69) o-Xylene	11.95	106	402032	51.860	ug/l	99
70) Styrene	11.97	104	720095	53.911	ug/l	100
71) Bromoform	12.13	173	162955	49.645	ug/l #	100
73) Isopropylbenzene	12.26	105	1148755	53.632	ug/l	100
74) N-amyl acetate	12.08	43	528573	58.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	408383	56.935	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	483188	78.898	ug/l #	100
77) Bromobenzene	12.53	156	273054	50.680	ug/l	97
78) n-propylbenzene	12.60	91	1348781	55.415	ug/l	99
79) 2-Chlorotoluene	12.68	91	806552	53.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	982616	54.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	98356	48.054	ug/l	98
82) 4-Chlorotoluene	12.78	91	854921	53.466	ug/l	100
83) tert-Butylbenzene	13.00	119	874527	54.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	998917	55.419	ug/l	100
85) sec-Butylbenzene	13.18	105	1176934	55.721	ug/l	100
86) p-Isopropyltoluene	13.30	119	1058993	56.396	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	522715	53.117	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	520632	51.821	ug/l	100
89) n-Butylbenzene	13.62	91	945078	53.086	ug/l	100
90) Hexachloroethane	13.88	117	168134	51.001	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	534755	54.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75242	58.267	ug/l	98

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QLast Update : Thu Sep 19 09:27:53 2019
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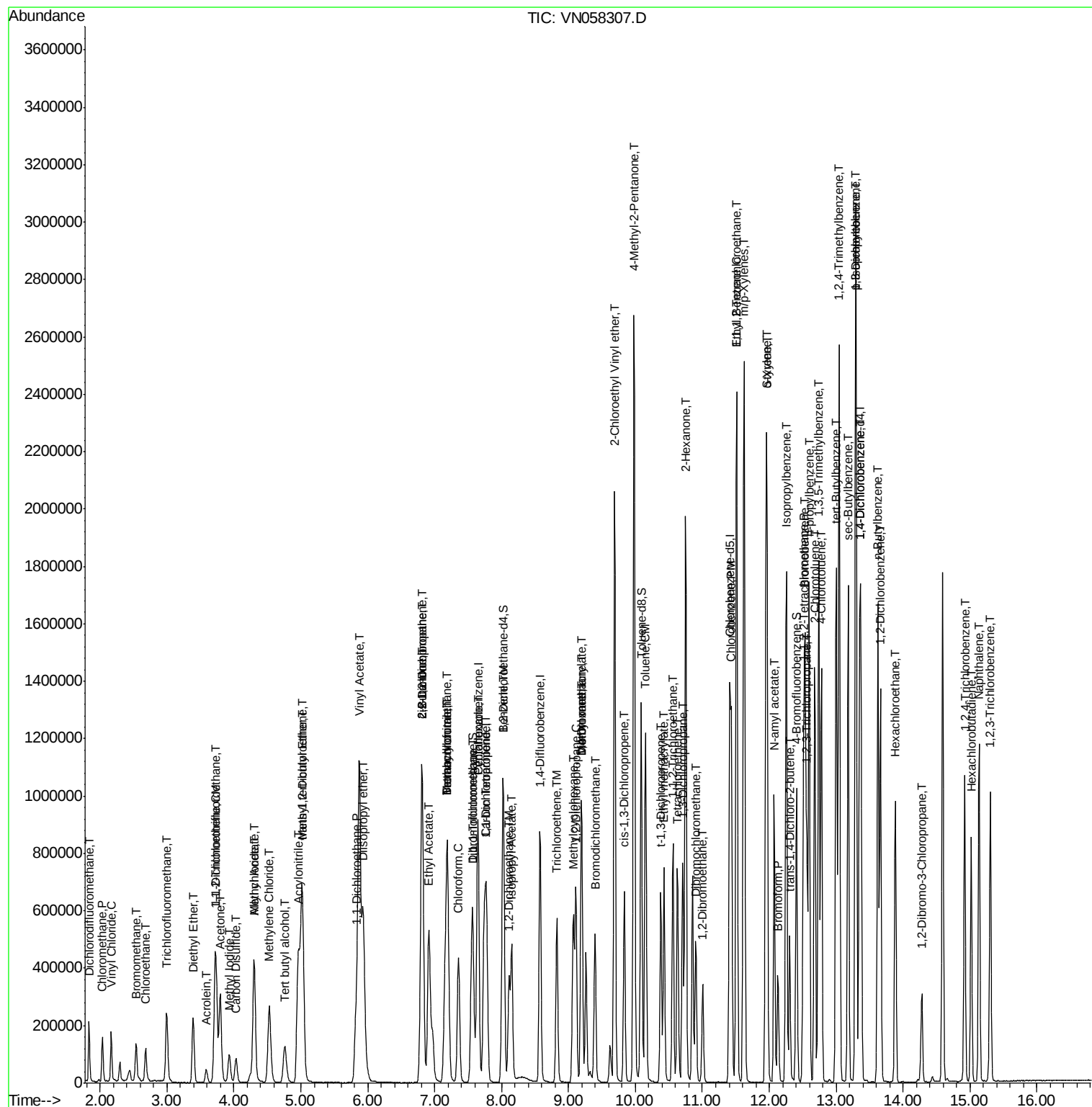
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	313886	49.767	ug/l	100
94) Hexachlorobutadiene	15.02	225	148023	48.557	ug/l	96
95) Naphthalene	15.14	128	913442	55.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302711	50.779	ug/l	100

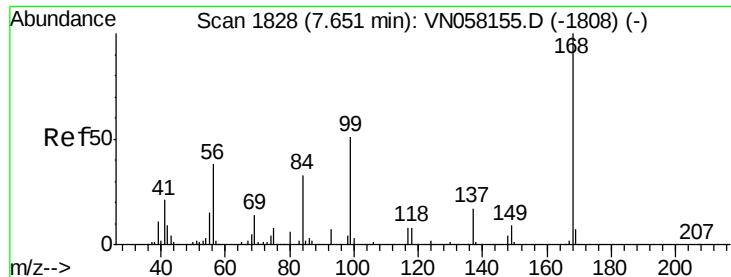
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

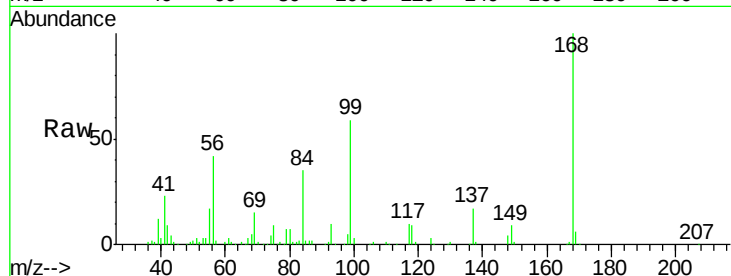
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 446389

Ion Ratio Lower Upper

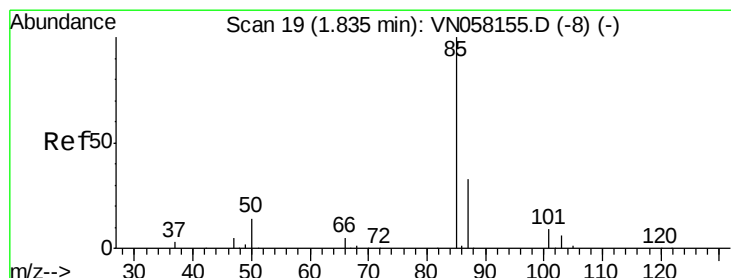
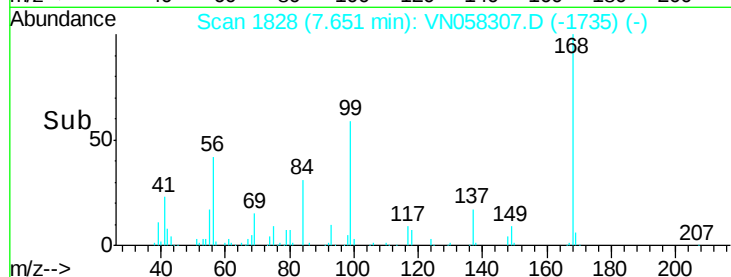
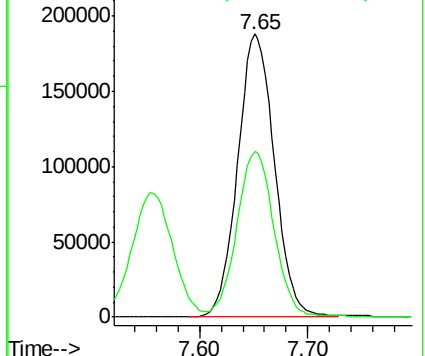
168 100

99 58.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.750 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058307.D

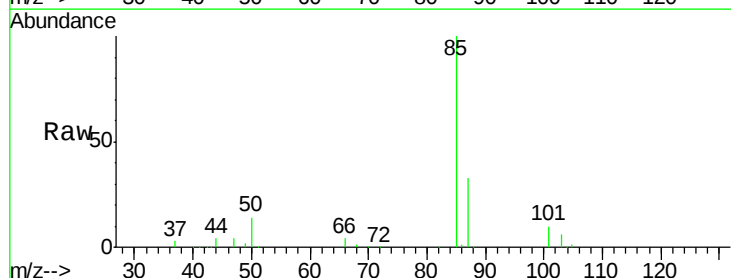
Acq: 23 Sep 2019 21:03

Tgt Ion: 85 Resp: 156763

Ion Ratio Lower Upper

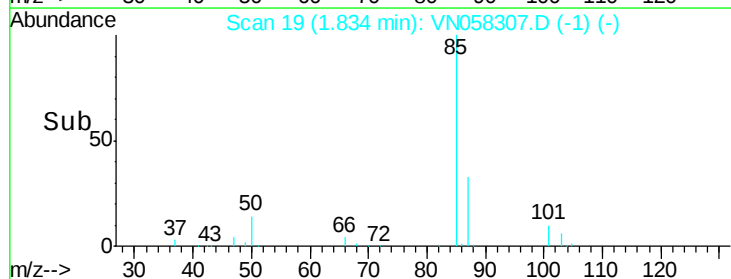
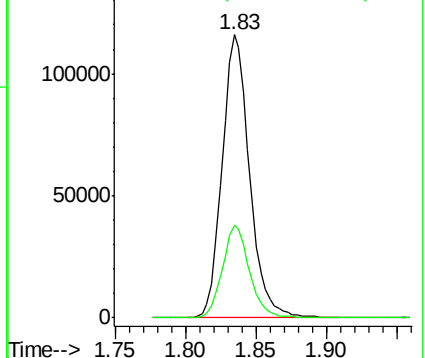
85 100

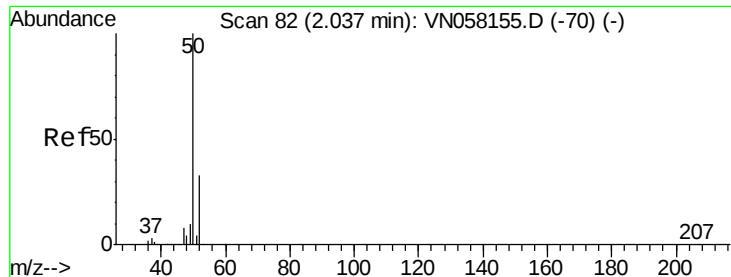
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.085 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

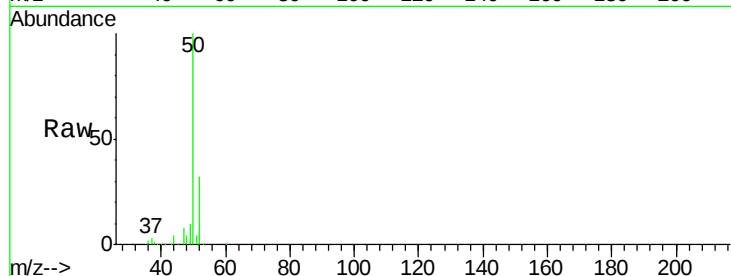
ClientSampleId :

Tot Ion: 50 Resp: 138794

Ion Ratio Lower Upper

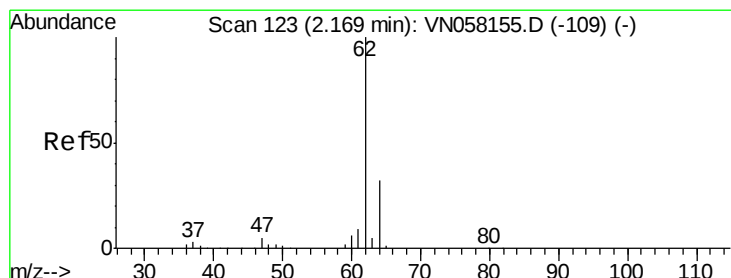
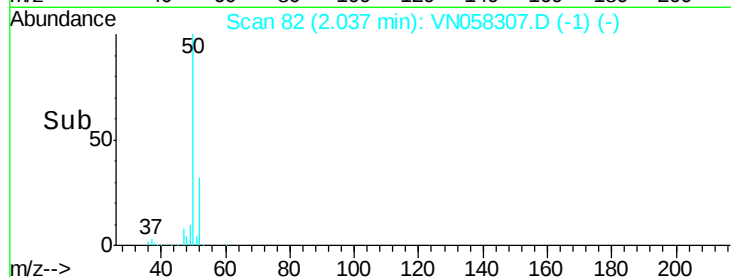
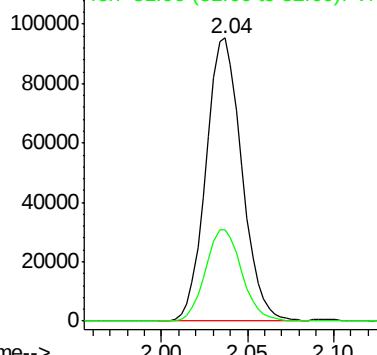
50 100

52 32.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.025 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058307.D

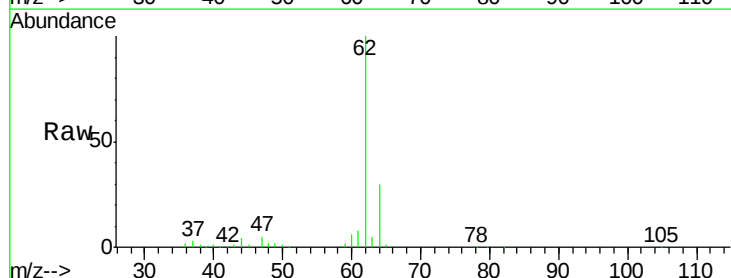
Acq: 23 Sep 2019 21:03

Tgt Ion: 62 Resp: 154620

Ion Ratio Lower Upper

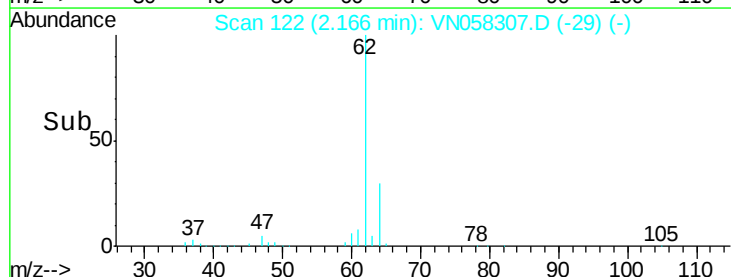
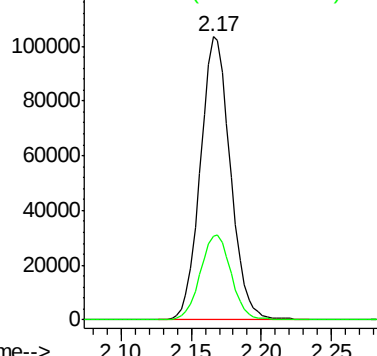
62 100

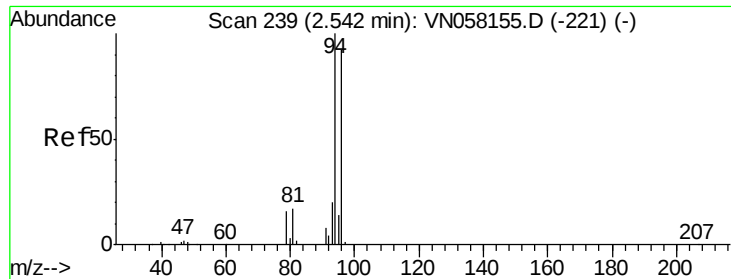
64 29.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 52.772 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

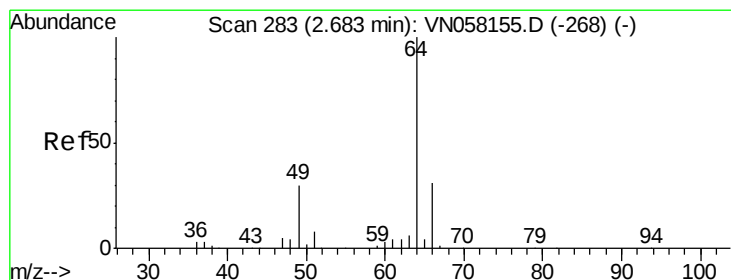
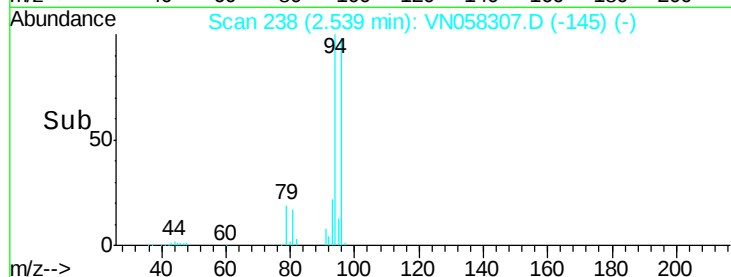
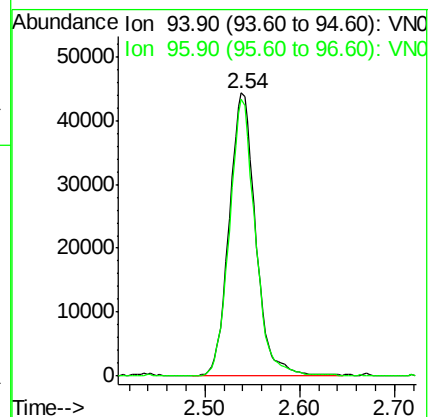
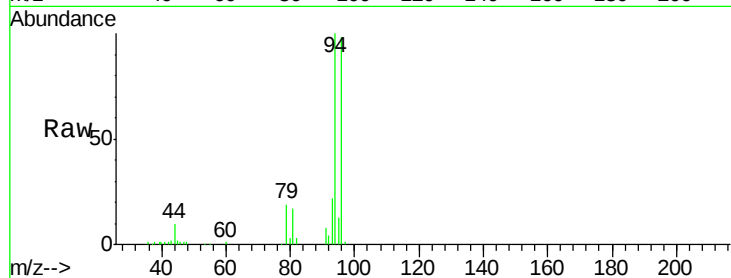
ClientSampled :

Tot Ion: 94 Resp: 86411

Ion Ratio Lower Upper

94 100

96 98.0 73.3 109.9



#6

Chloroethane

Concen: 53.573 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058307.D

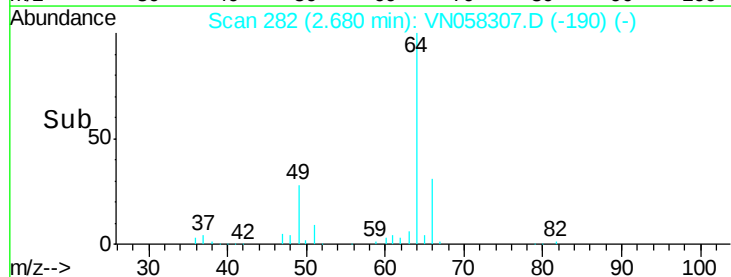
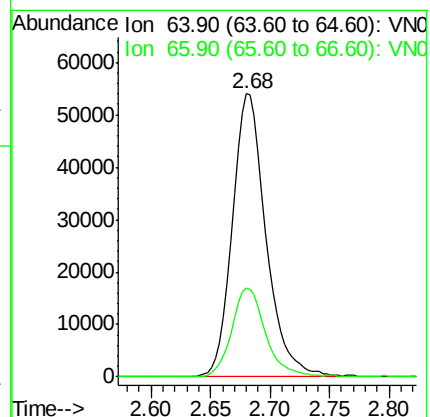
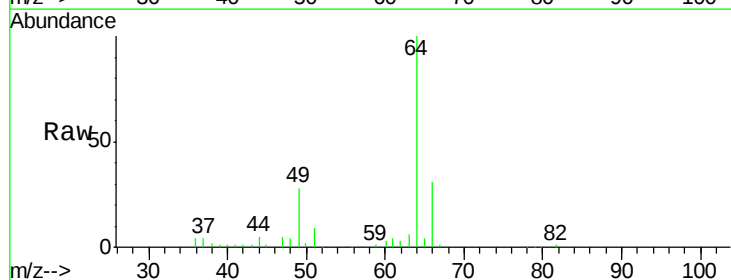
Acq: 23 Sep 2019 21:03

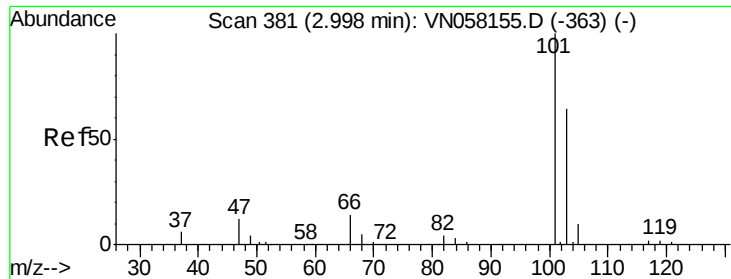
Tgt Ion: 64 Resp: 105823

Ion Ratio Lower Upper

64 100

66 31.2 24.6 37.0



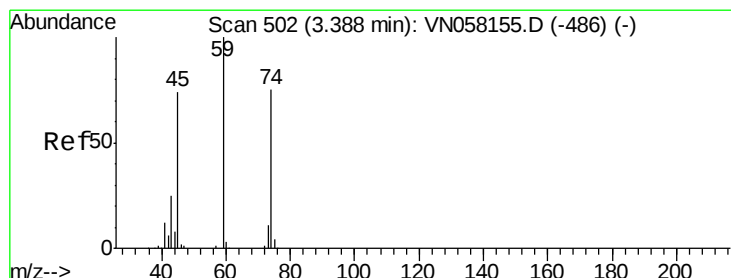
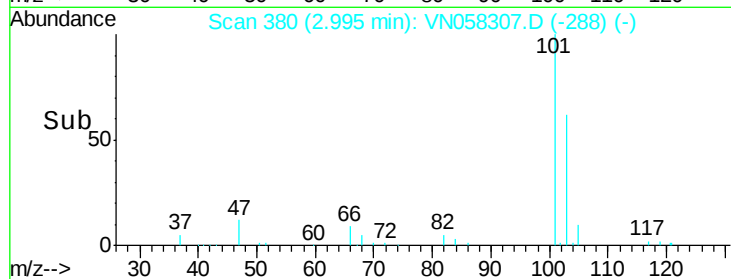
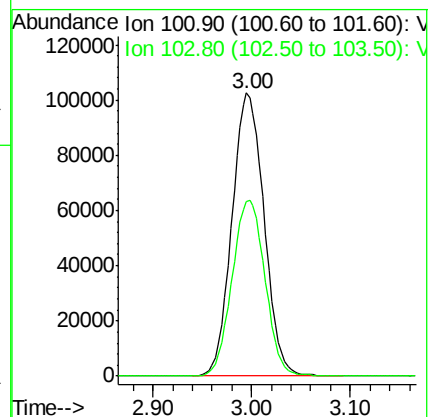
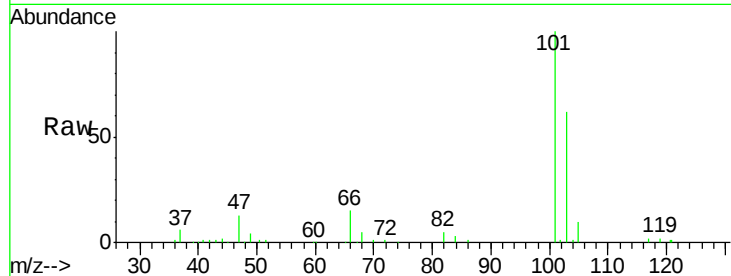


#7

Trichlorofluoromethane
 Concen: 46.496 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :

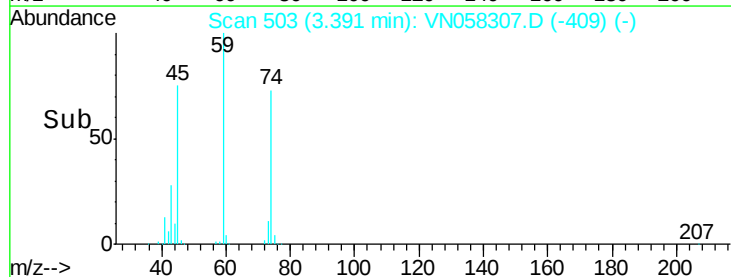
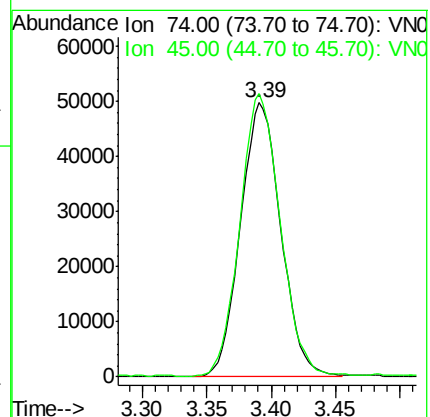
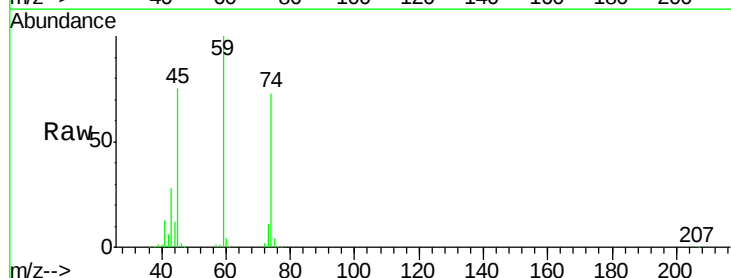
Tot Ion:101 Resp: 232724
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.0 76.6

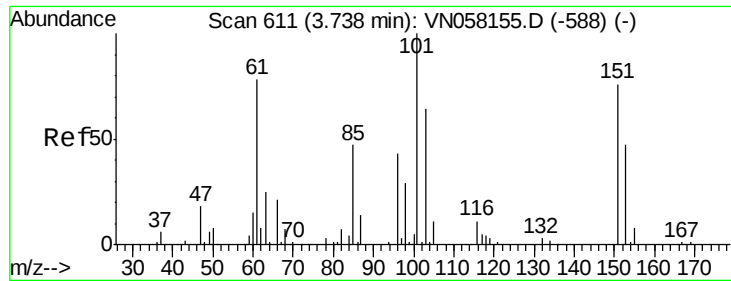


#8

Diethyl Ether
 Concen: 47.315 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 74 Resp: 108512
 Ion Ratio Lower Upper
 74 100
 45 103.5 48.5 145.5

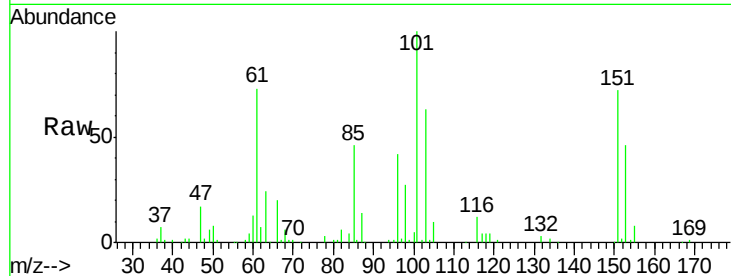




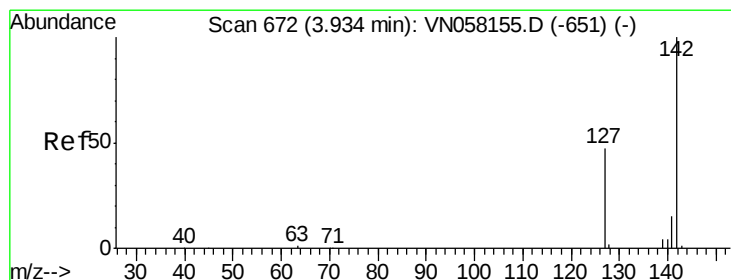
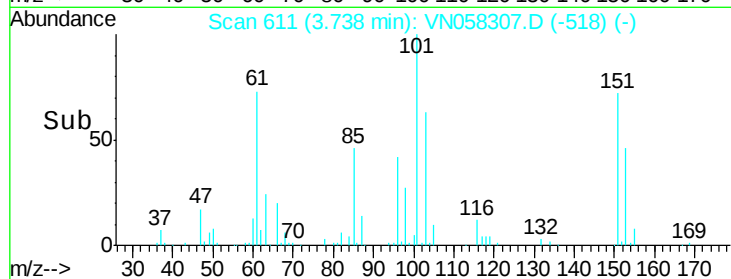
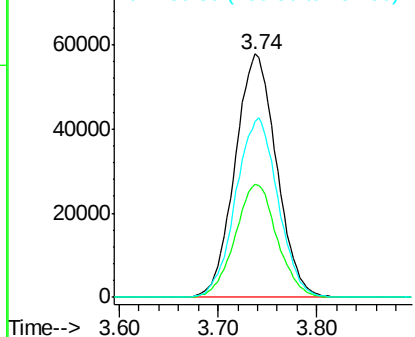
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.646 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 168332
 Ion Ratio Lower Upper
 101 100
 85 46.9 37.3 55.9
 151 75.0 59.6 89.4

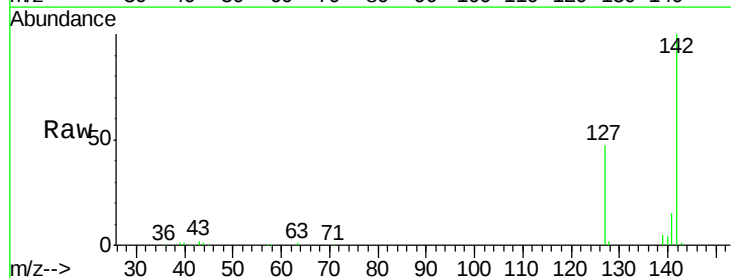


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

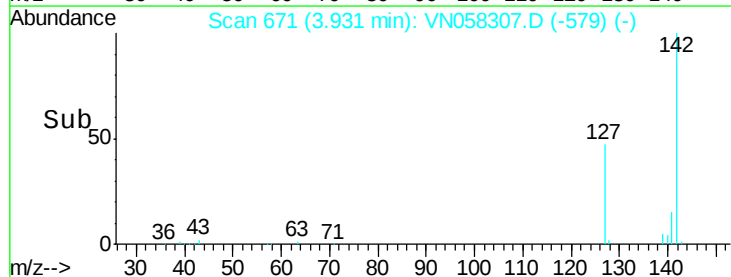
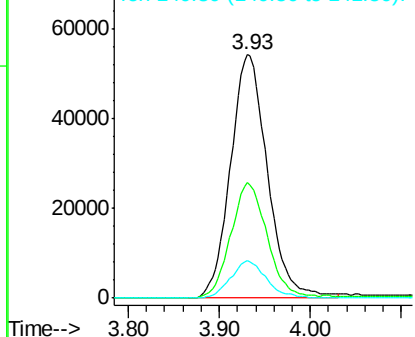


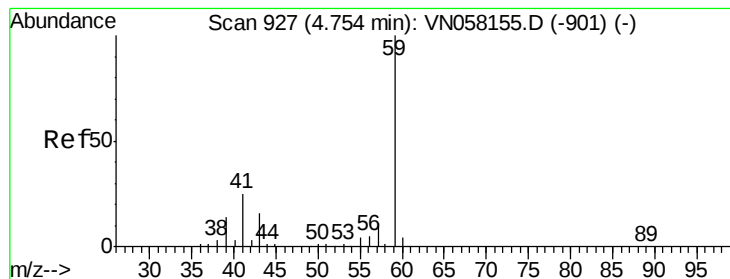
#10
 Methyl Iodide
 Concen: 50.728 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion:142 Resp: 153396
 Ion Ratio Lower Upper
 142 100
 127 46.6 37.5 56.3
 141 14.7 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



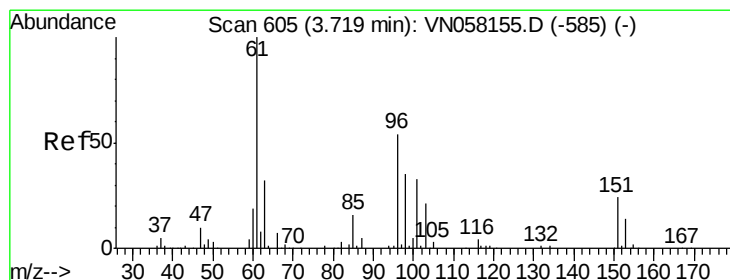
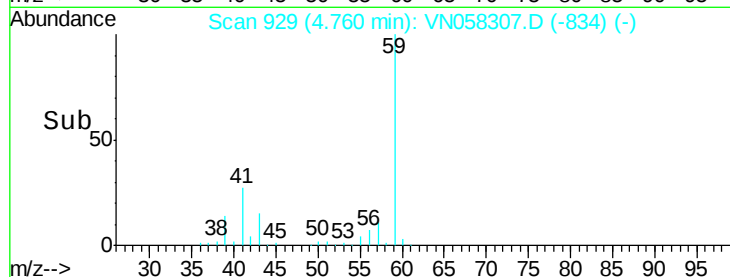
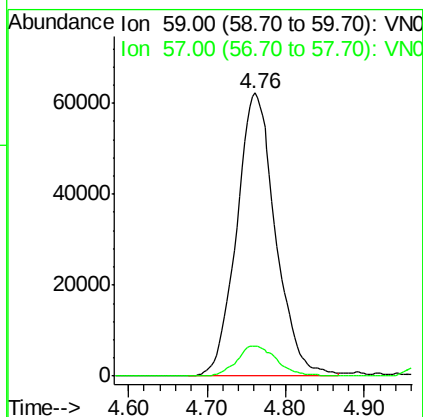
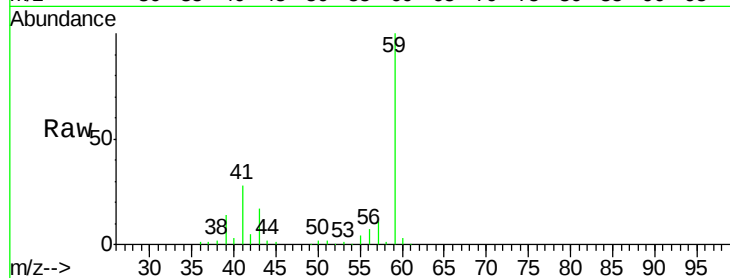


#11

Tert butyl alcohol
 Concen: 292.083 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampleId :

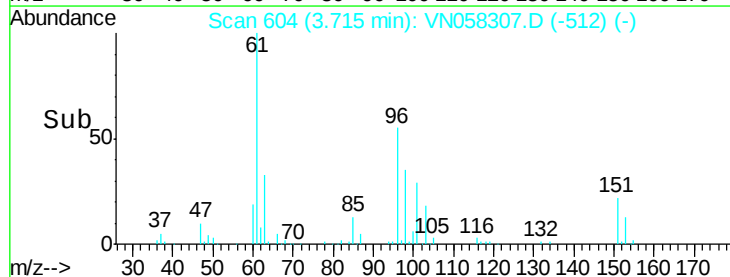
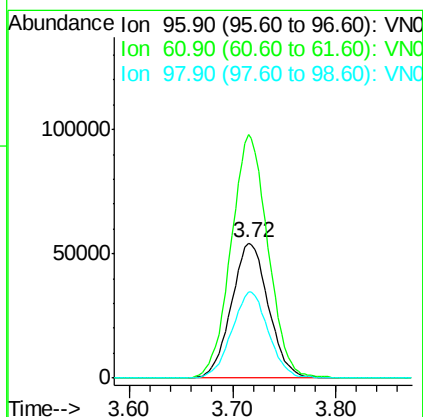
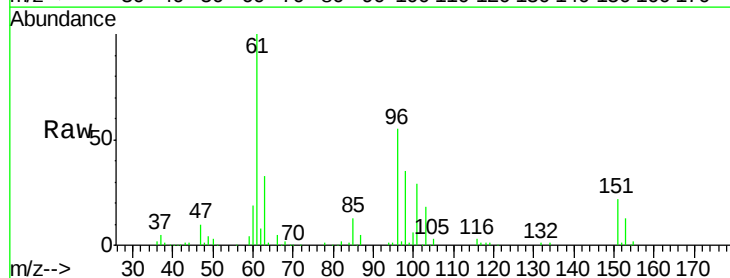
Tot Ion: 59 Resp: 216015
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 13.0

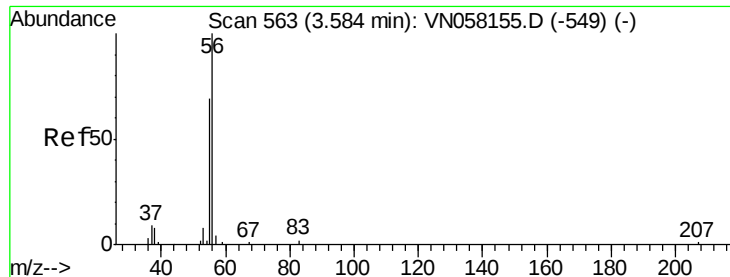


#12

1,1-Dichloroethene
 Concen: 49.615 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 96 Resp: 135885
 Ion Ratio Lower Upper
 96 100
 61 179.9 149.5 224.3
 98 63.7 52.4 78.6





#13

Acrolein

Concen: 436.082 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

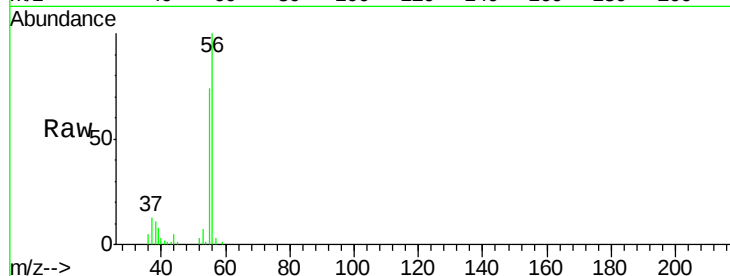
ClientSampleId :

Tot Ion: 56 Resp: 47795

Ion Ratio Lower Upper

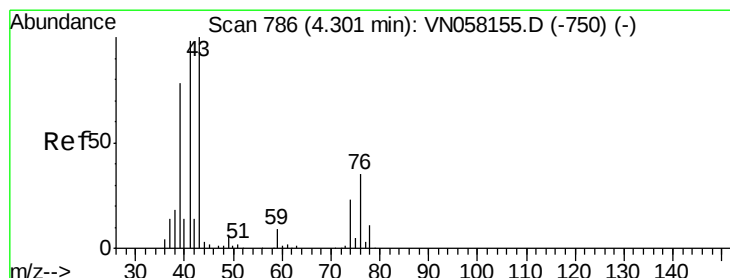
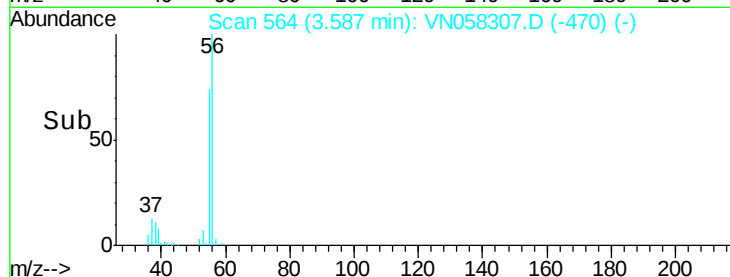
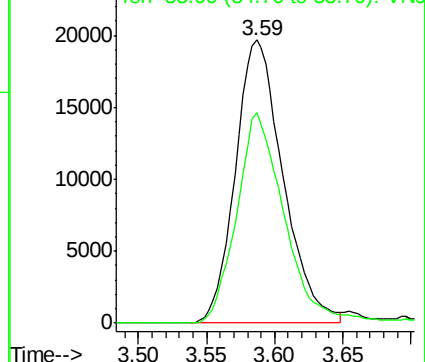
56 100

55 74.1 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 41.985 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

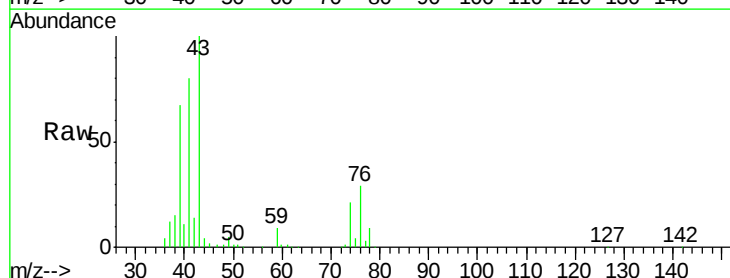
Tgt Ion: 41 Resp: 247927

Ion Ratio Lower Upper

41 100

39 85.2 59.1 88.7

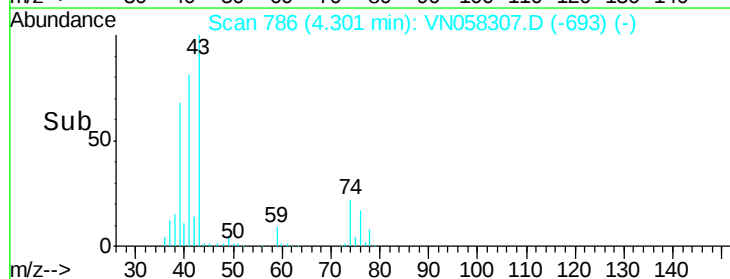
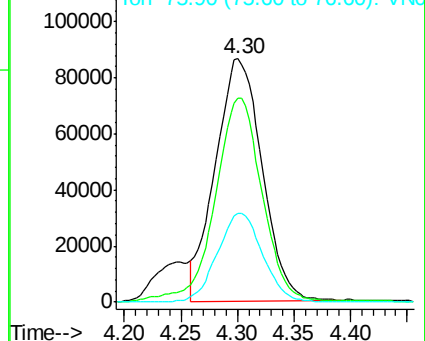
76 35.6 25.1 37.7

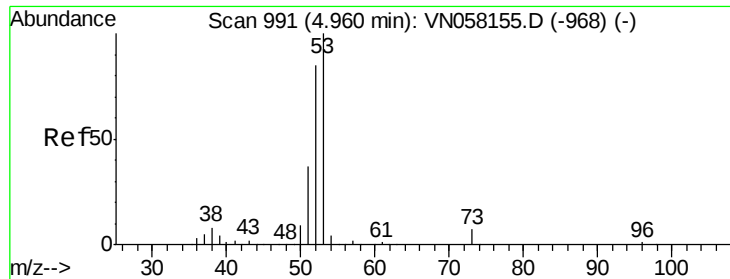


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 295.049 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

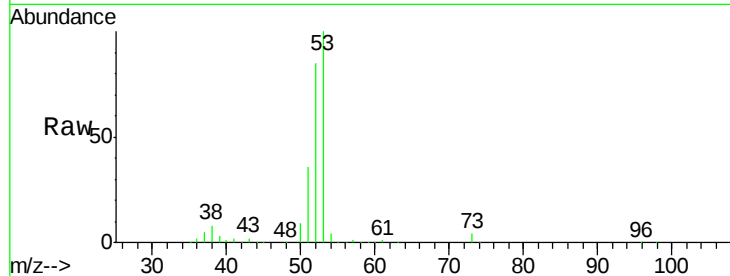
Tot Ion: 53 Resp: 581368

Ion Ratio Lower Upper

53 100

52 83.8 66.6 100.0

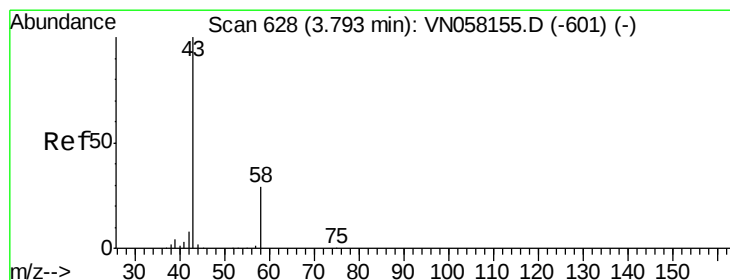
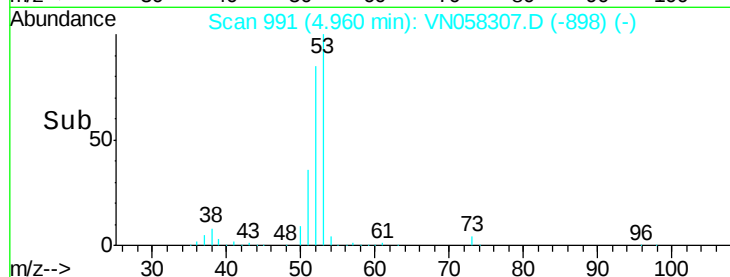
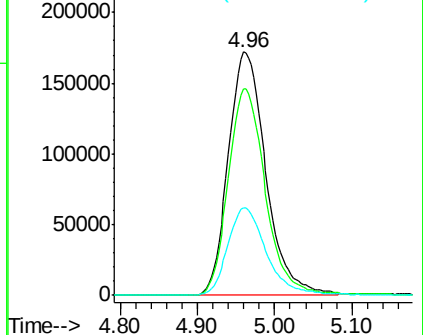
51 37.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 238.860 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058307.D

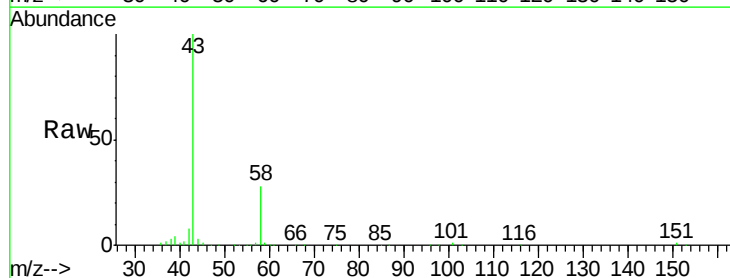
Acq: 23 Sep 2019 21:03

Tgt Ion: 43 Resp: 504093

Ion Ratio Lower Upper

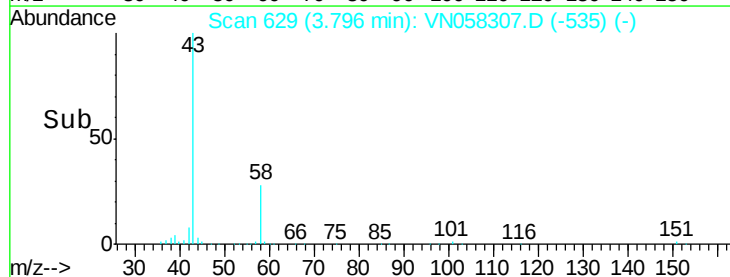
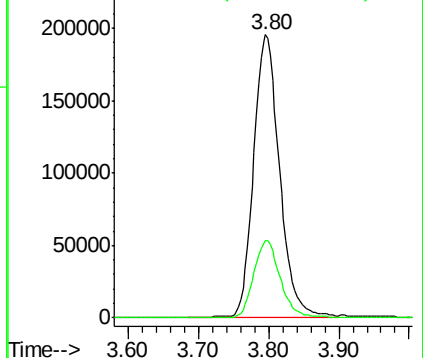
43 100

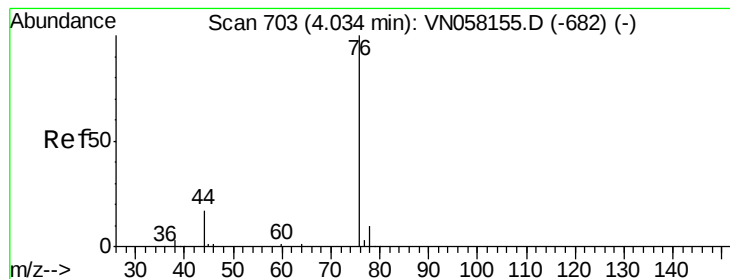
58 27.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.023 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

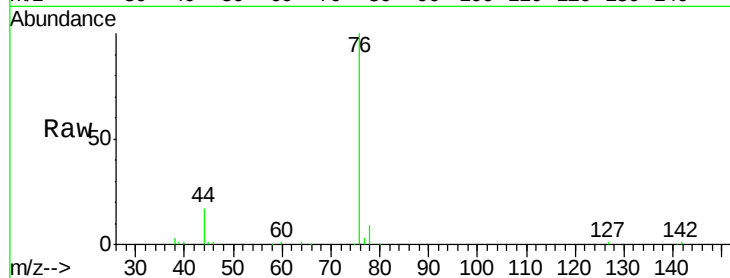
ClientSampleId :

Tot Ion: 76 Resp: 161827

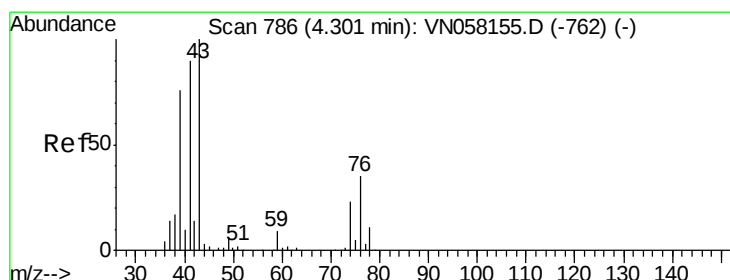
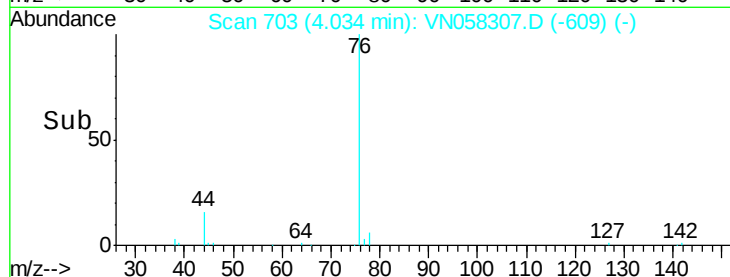
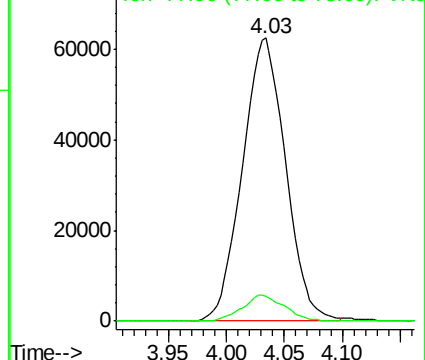
Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 55.757 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058307.D

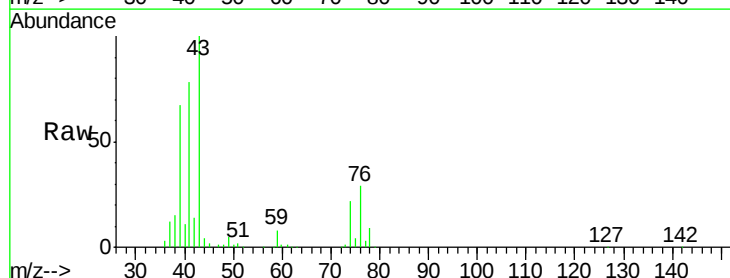
Acq: 23 Sep 2019 21:03

Tgt Ion: 43 Resp: 309627

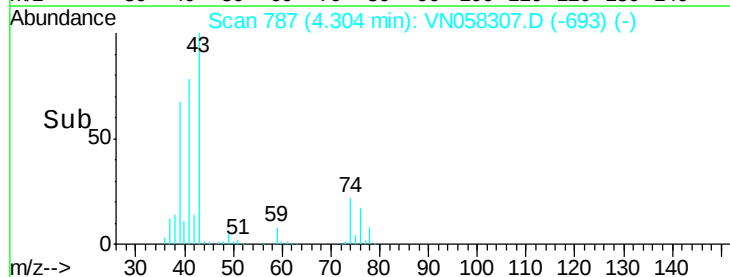
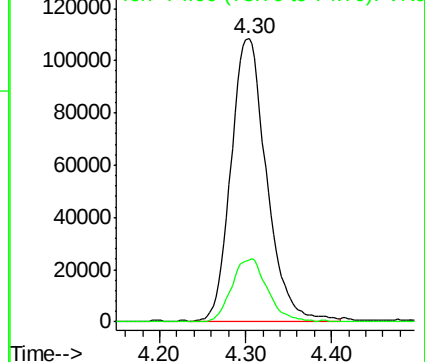
Ion Ratio Lower Upper

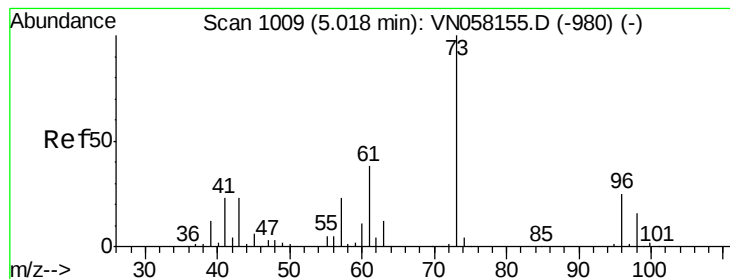
43 100

74 22.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO



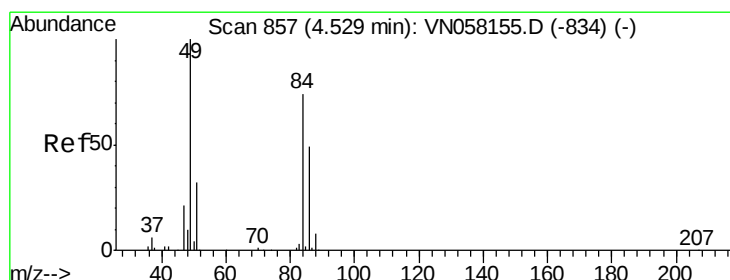
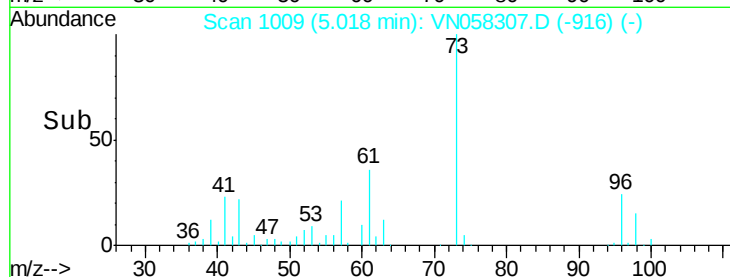
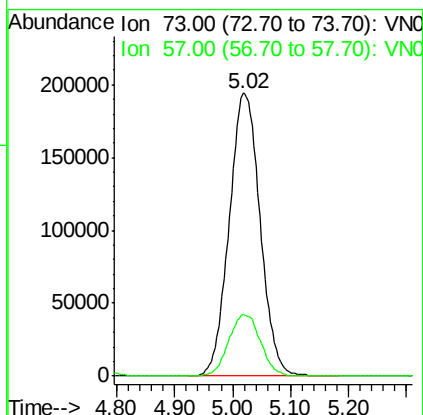
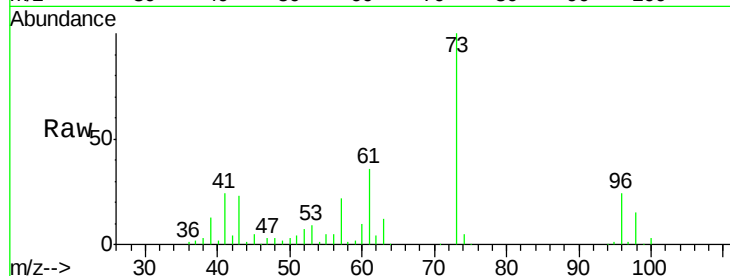


#19

Methyl tert-butyl Ether
 Concen: 52.834 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Instrument :
 MSVOA_N
 ClientSampled :

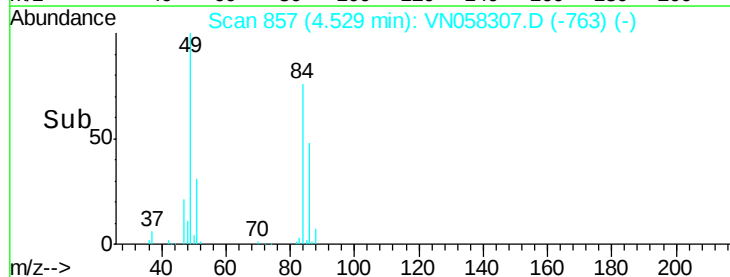
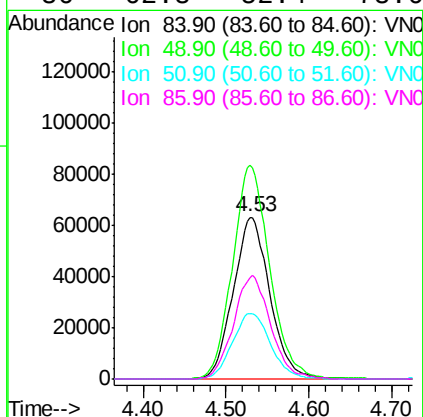
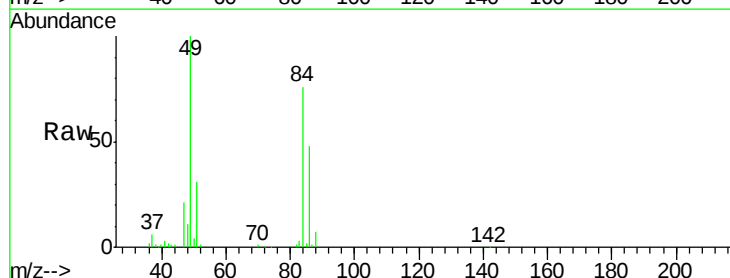
Tot Ion: 73 Resp: 719123
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.1 27.1

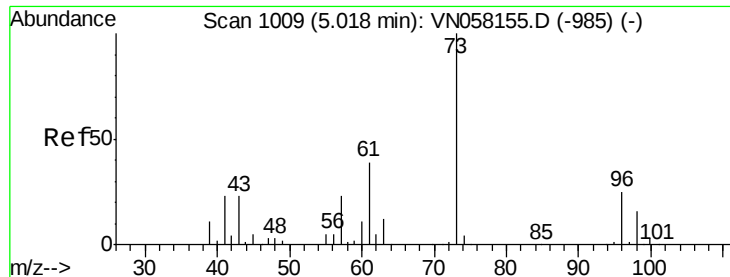


#20

Methylene Chloride
 Concen: 52.558 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 84 Resp: 194155
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.5 161.3
 51 40.8 33.9 50.9
 86 62.8 52.4 78.6



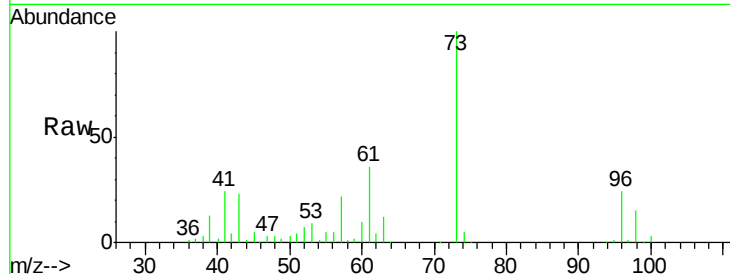


#21

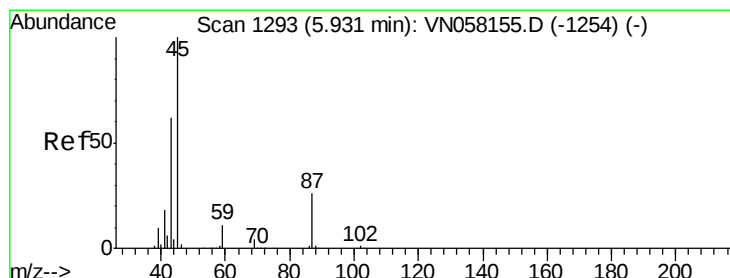
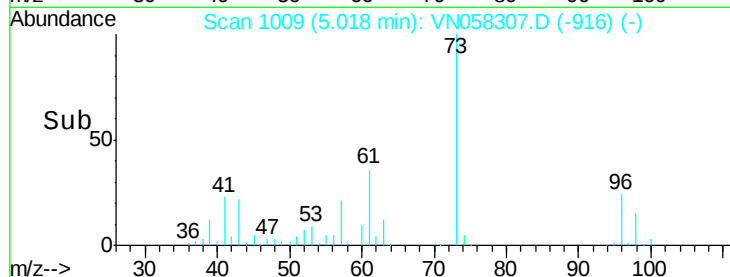
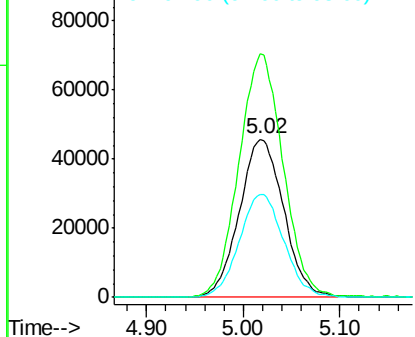
trans-1,2-Dichloroethene
Concen: 48.819 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 145717
Ion Ratio Lower Upper
96 100
61 154.2 122.2 183.4
98 64.9 49.9 74.9



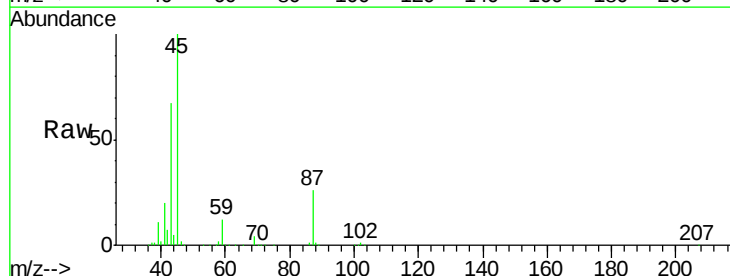
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



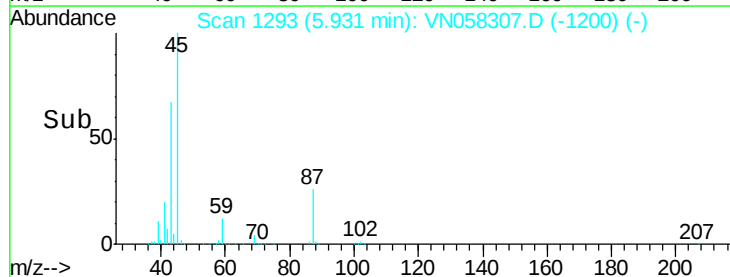
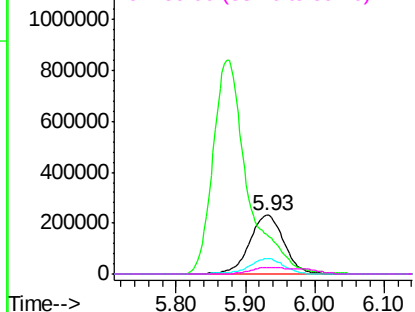
#22

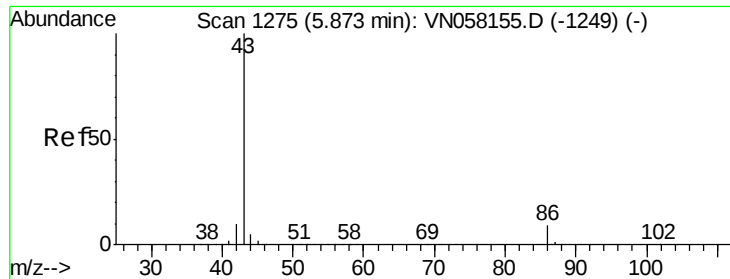
Diisopropyl ether
Concen: 52.837 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 45 Resp: 792565
Ion Ratio Lower Upper
45 100
43 65.4 49.7 74.5
87 26.1 20.7 31.1
59 11.5 9.1 13.7



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

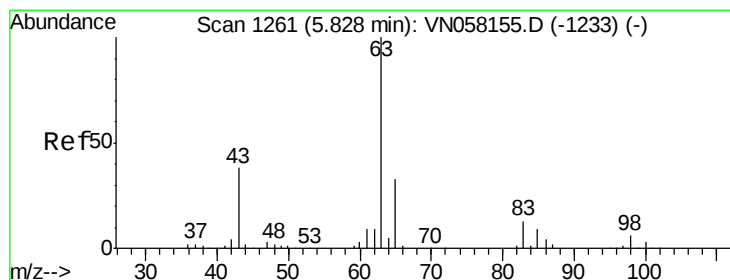
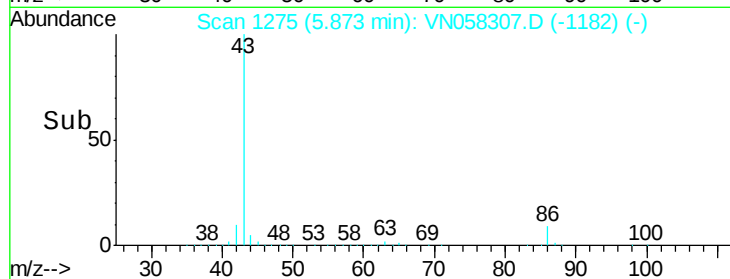
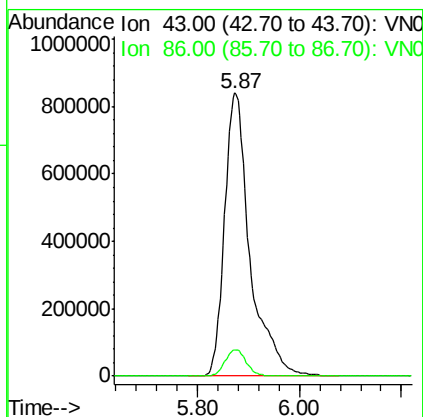
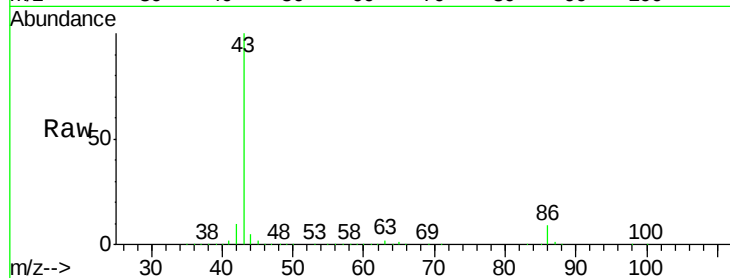




#23
 Vinyl Acetate
 Concen: 283.494 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

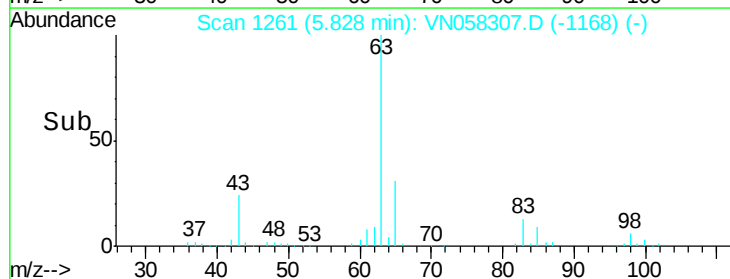
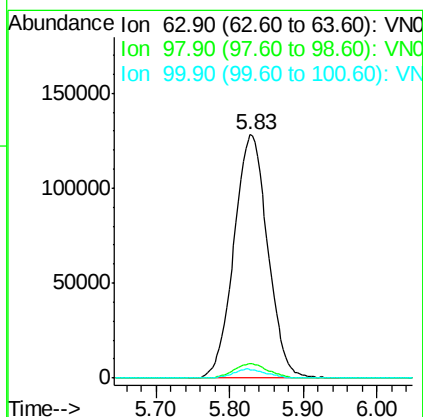
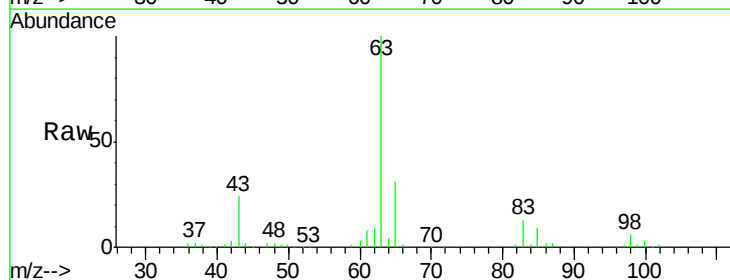
Instrument :
 MSVOA_N
 ClientSampleId :

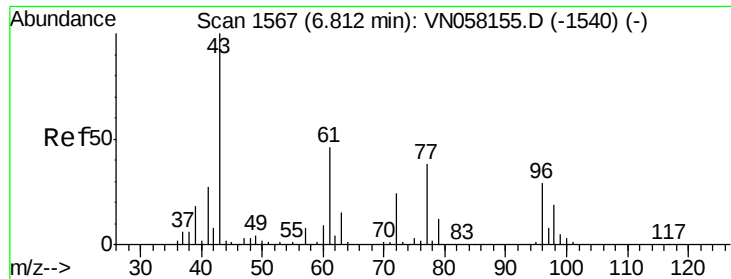
Tot Ion: 43 Resp: 2909766
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 50.929 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 63 Resp: 407733
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.5 1.8 5.3

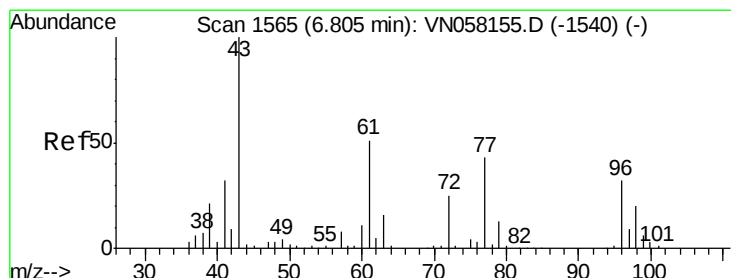
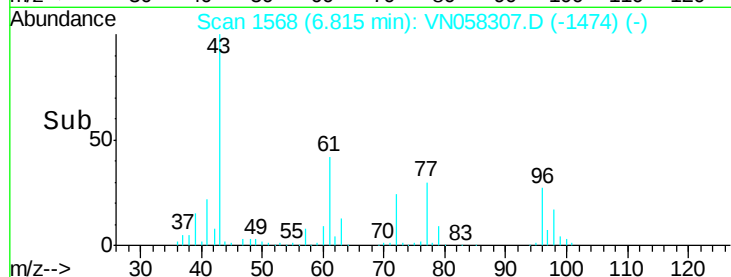
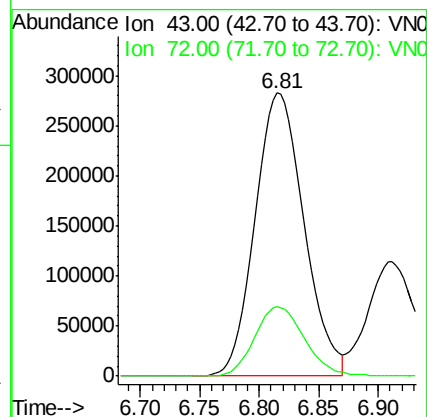
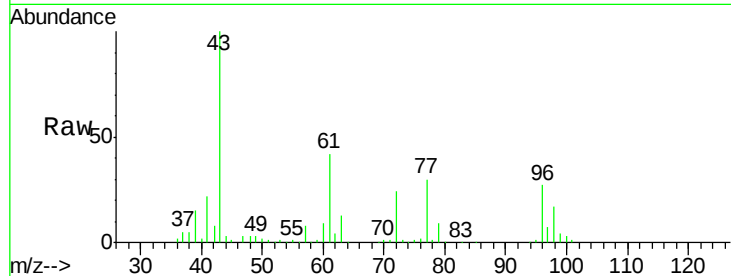




#25
2-Butanone
Concen: 279.315 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

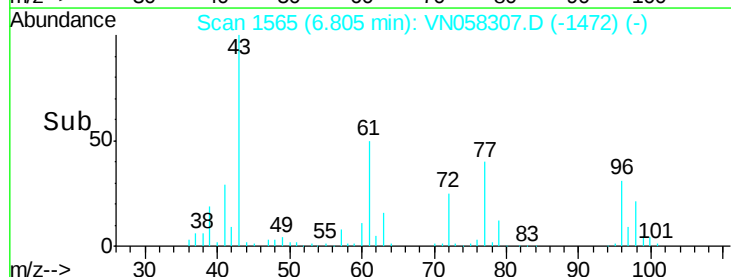
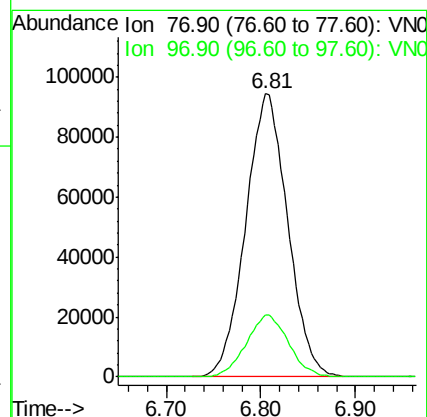
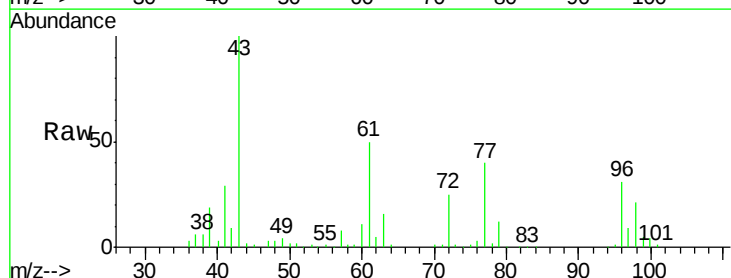
Instrument :
MSVOA_N
ClientSampled :

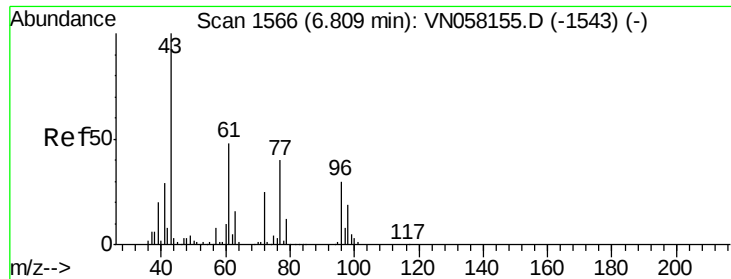
Tot Ion: 43 Resp: 803082
Ion Ratio Lower Upper
43 100
72 24.5 19.5 29.3



#26
2,2-Dichloropropane
Concen: 42.909 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 77 Resp: 291433
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 49.419 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :

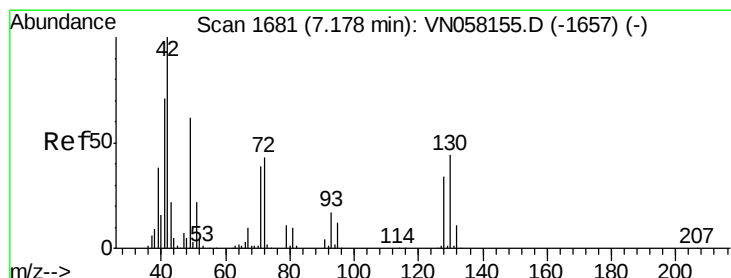
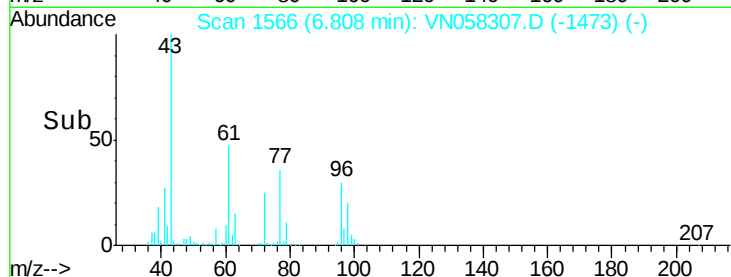
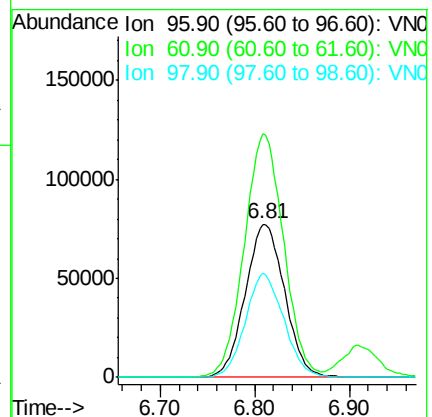
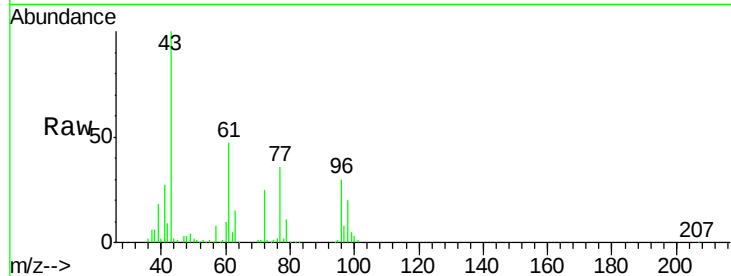
Tot Ion: 96 Resp: 223710

Ion Ratio Lower Upper

96 100

61 159.1 0.0 319.0

98 66.3 0.0 126.6



#28

Bromochloromethane

Concen: 52.550 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

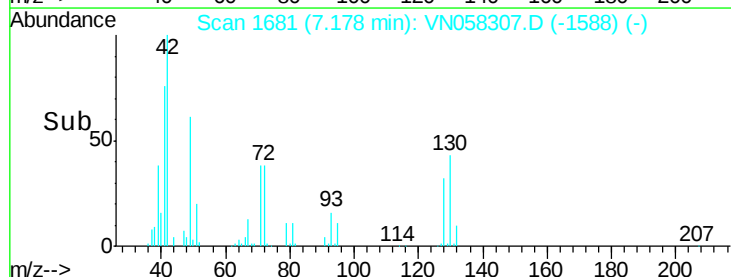
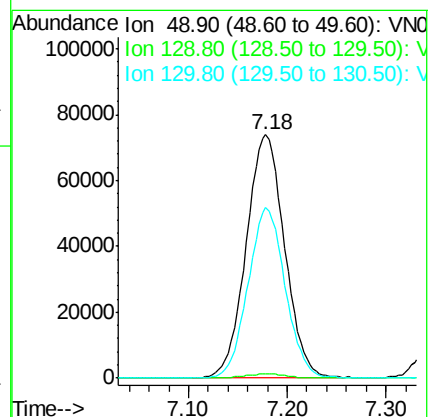
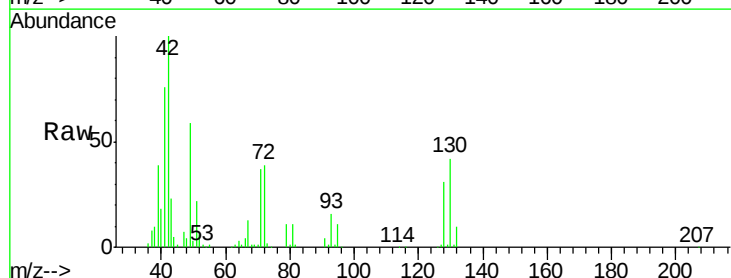
Tgt Ion: 49 Resp: 199019

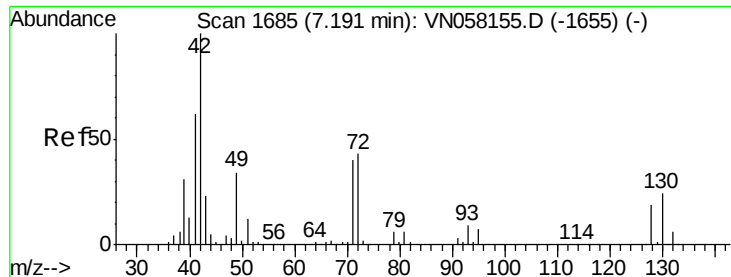
Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8#

130 67.7 55.4 83.2

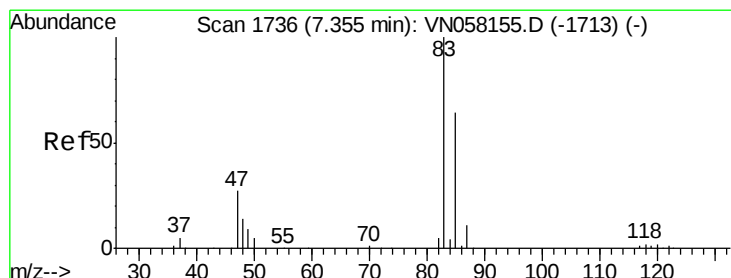
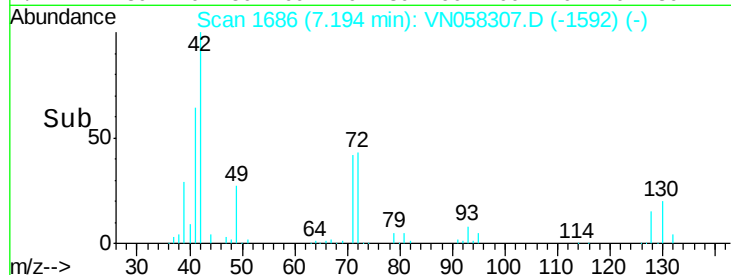
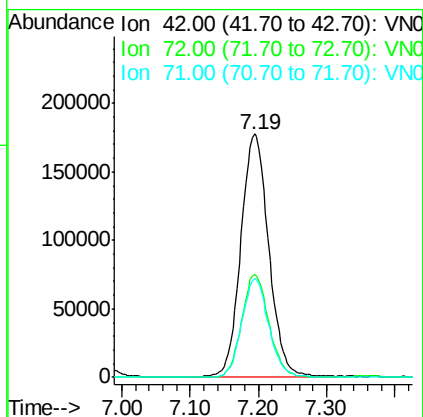
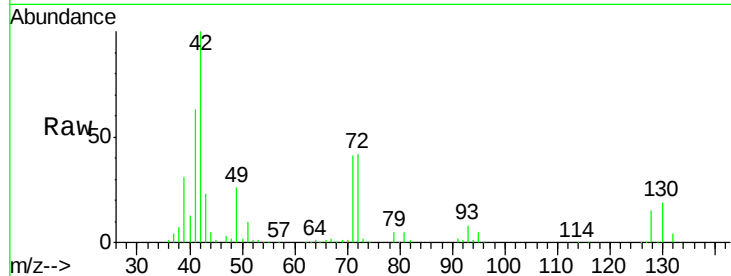




#29
Tetrahydrofuran
Concen: 285.308 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

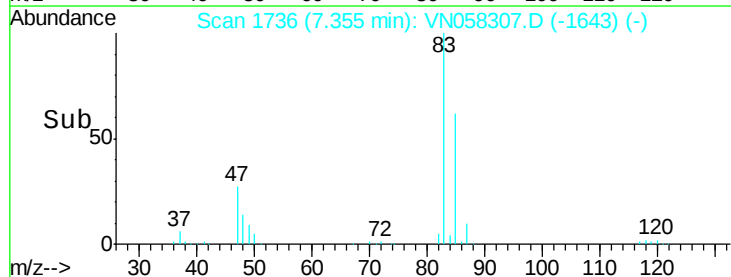
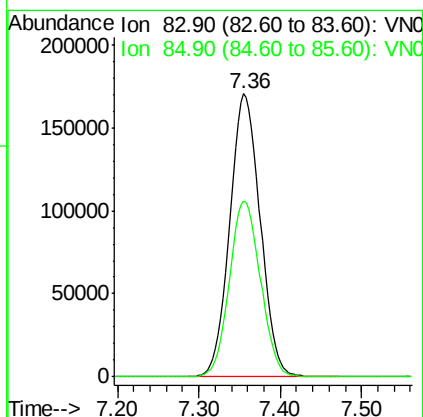
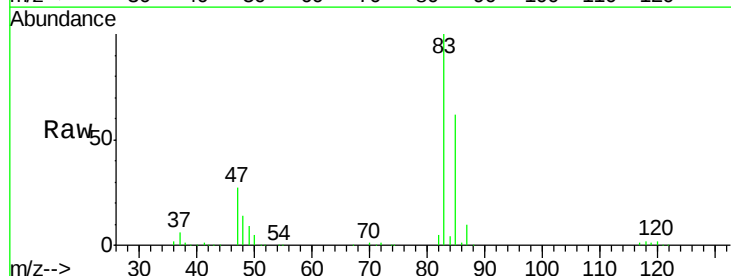
Instrument :
MSVOA_N
ClientSampled :

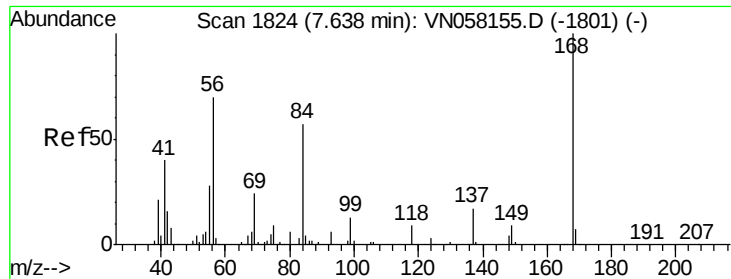
Tot Ion: 42 Resp: 505290
Ion Ratio Lower Upper
42 100
72 41.3 33.8 50.6
71 39.3 31.4 47.0



#30
Chloroform
Concen: 51.643 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 83 Resp: 445034
Ion Ratio Lower Upper
83 100
85 62.0 51.4 77.2

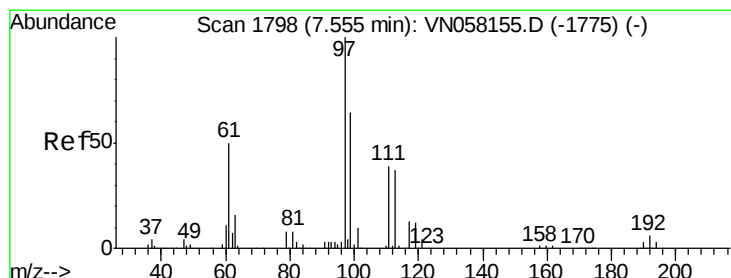
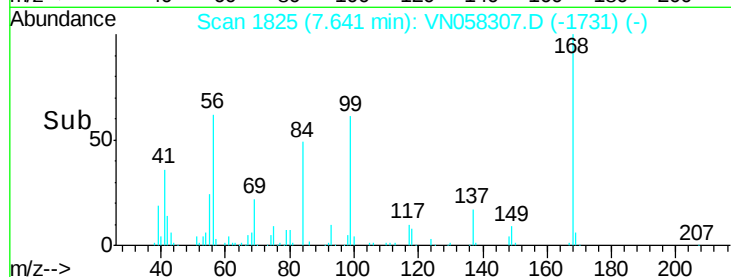
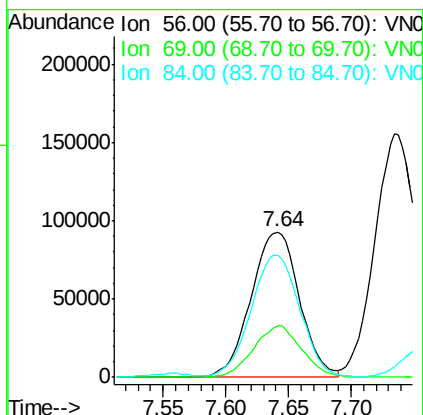
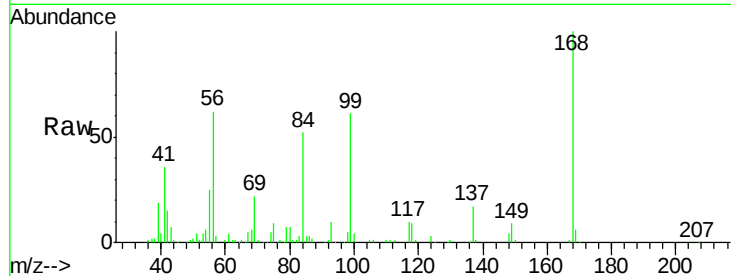




#31
Cyclohexane
Concen: 48.078 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

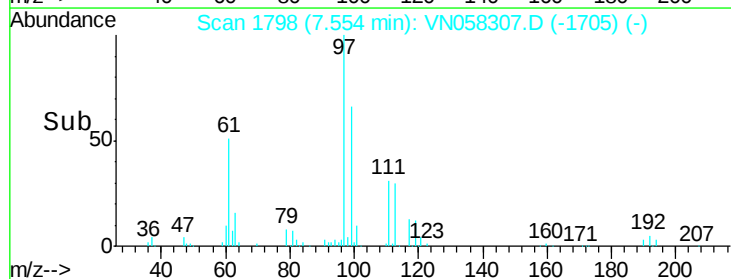
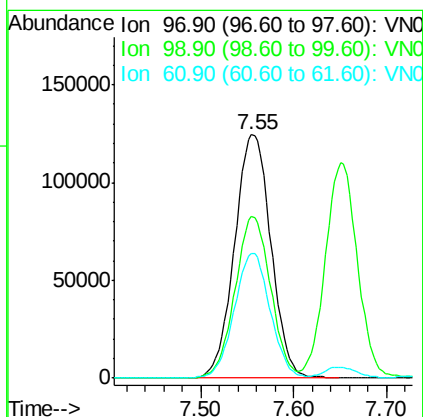
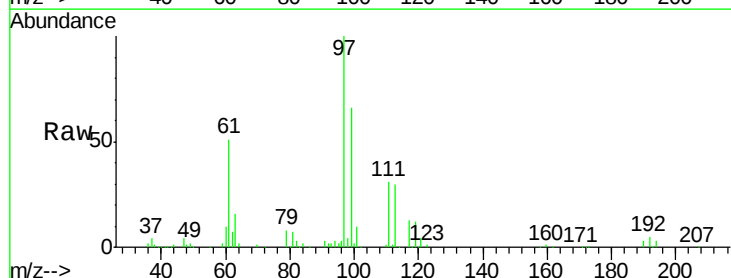
Instrument :
MSVOA_N
ClientSampled :

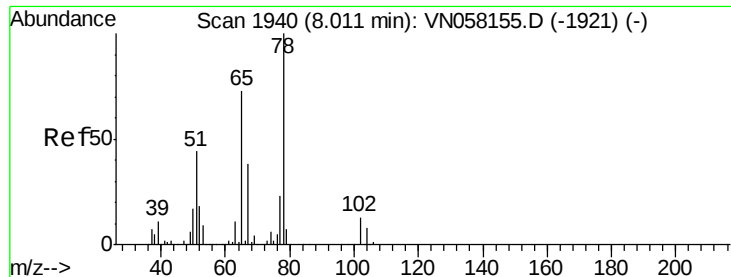
Tot Ion: 56 Resp: 249282
Ion Ratio Lower Upper
56 100
69 35.7 27.3 40.9
84 82.1 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 51.657 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 97 Resp: 338889
Ion Ratio Lower Upper
97 100
99 65.1 50.9 76.3
61 50.6 39.2 58.8

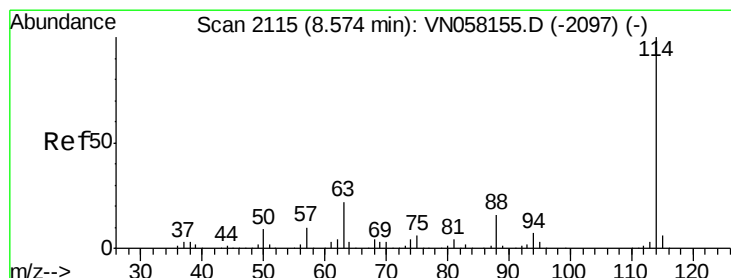
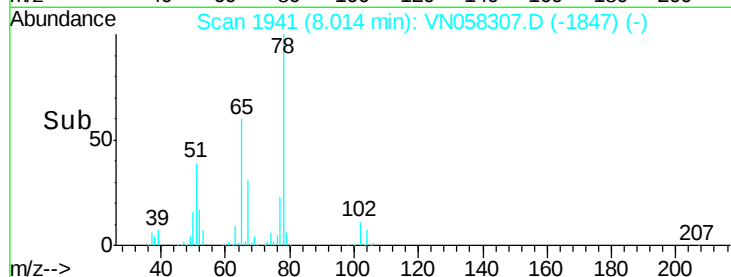
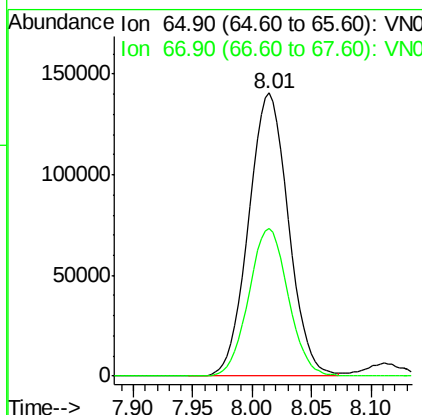
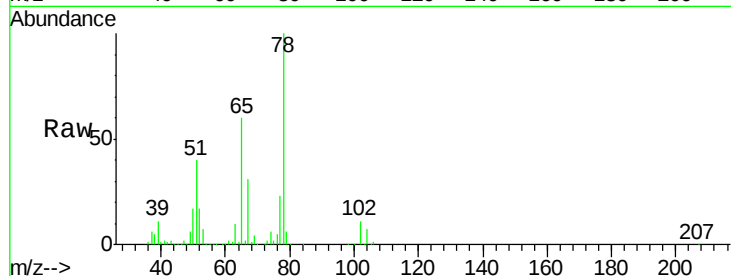




#33
 1,2-Dichloroethane-d4
 Concen: 52.423 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

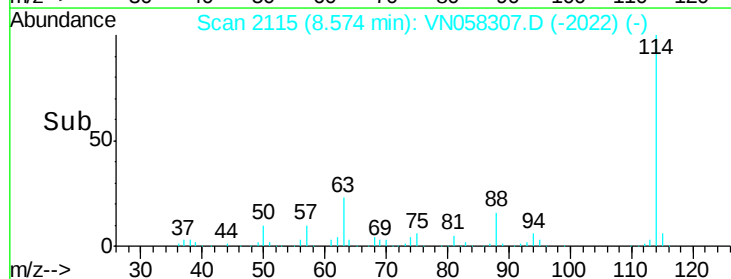
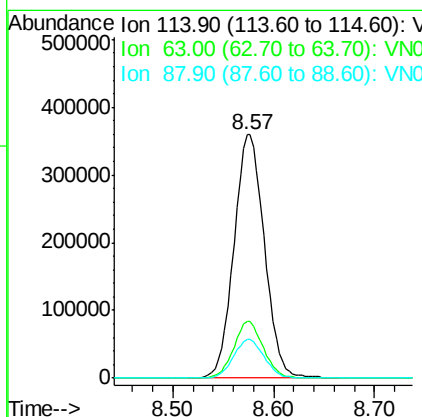
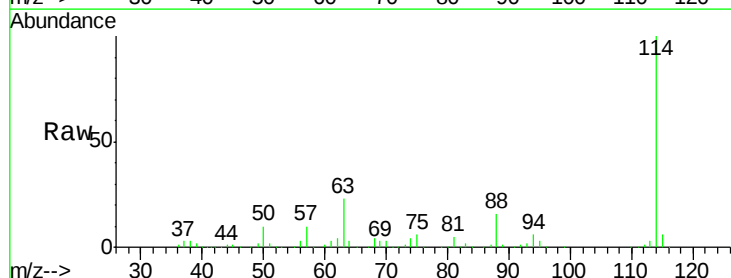
Instrument :
 MSVOA_N
 ClientSampleId :

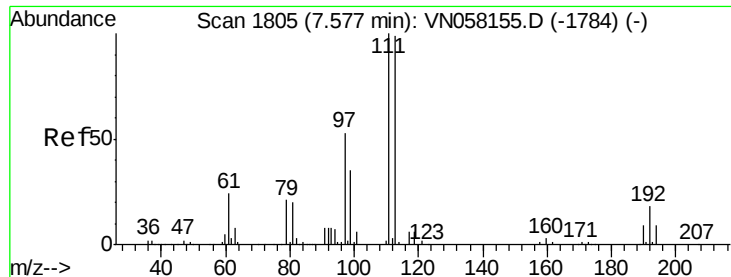
Tot Ion: 65 Resp: 325927
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 114 Resp: 752543
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 44.2
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.126 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

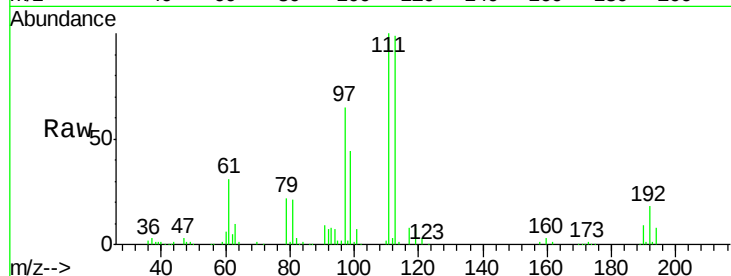
Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 233893

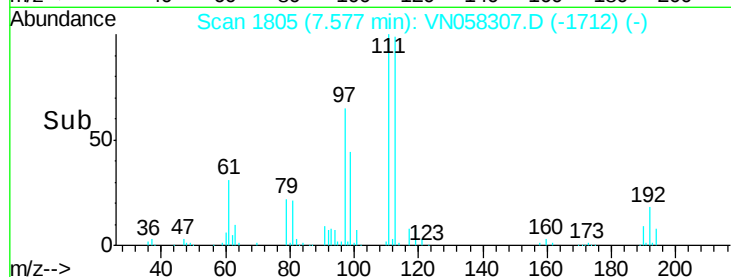
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.4	14.5	21.7



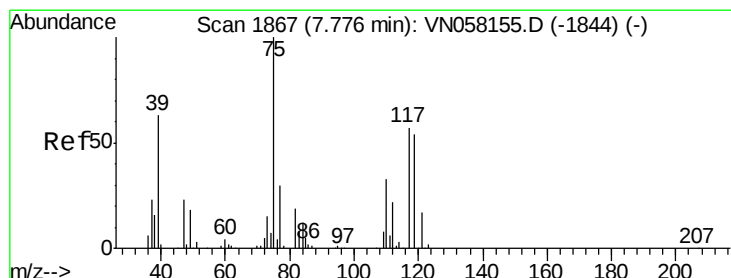
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 45.498 ug/l

RT: 7.78 min Scan# 1868

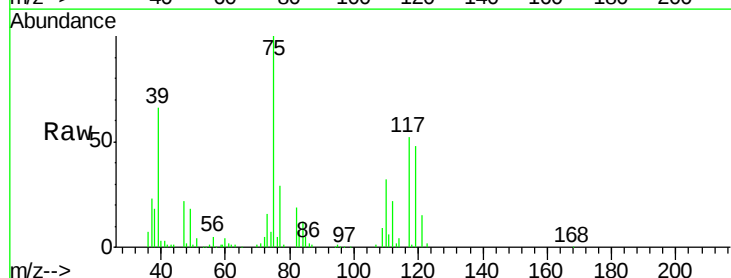
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion: 75 Resp: 246916

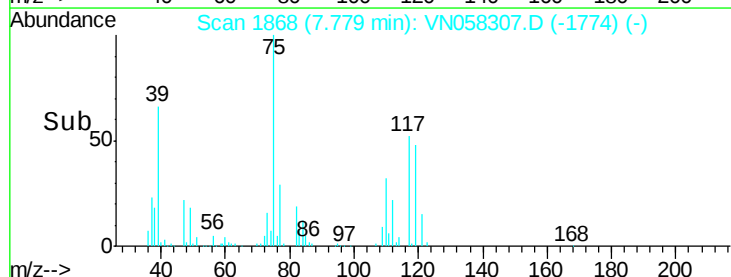
Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.6	49.7
77	30.5	24.3	36.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



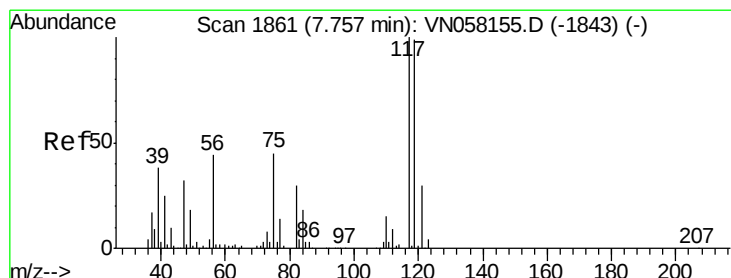
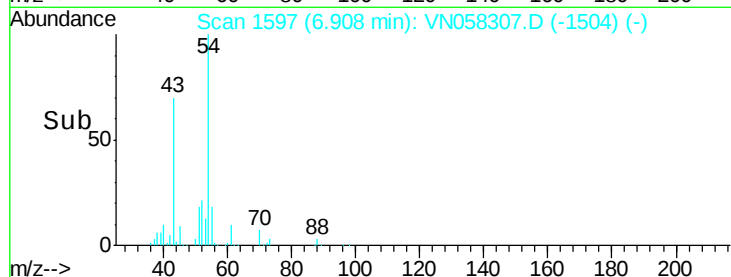
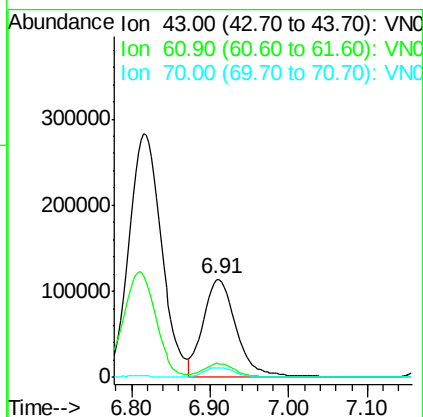
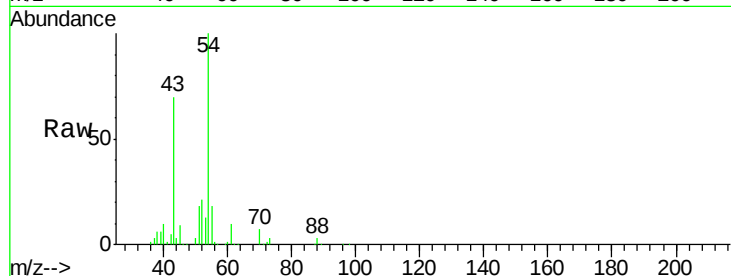
Time-->



#37
Ethyl Acetate
Concen: 57.799 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

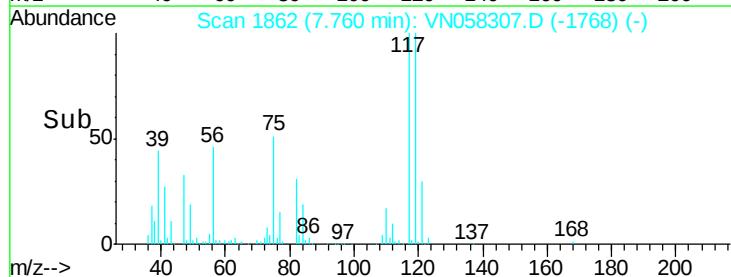
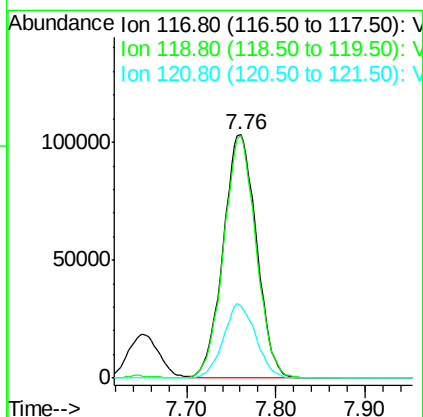
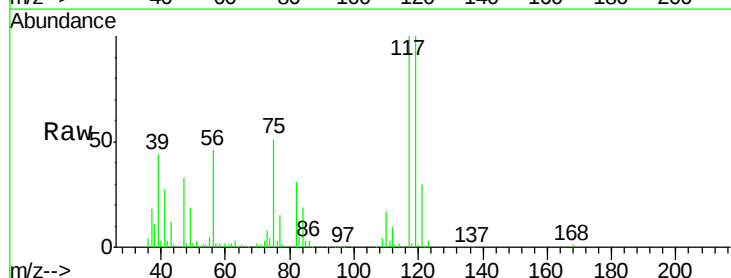
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 325522
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.950 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 117 Resp: 267036
Ion Ratio Lower Upper
117 100
119 99.7 78.6 117.8
121 29.6 24.1 36.1

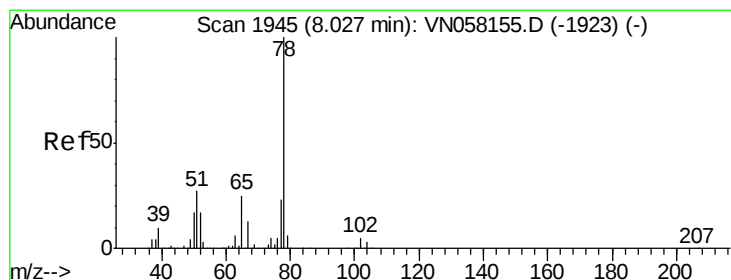
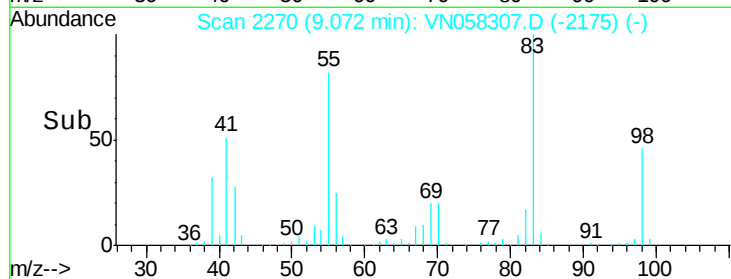
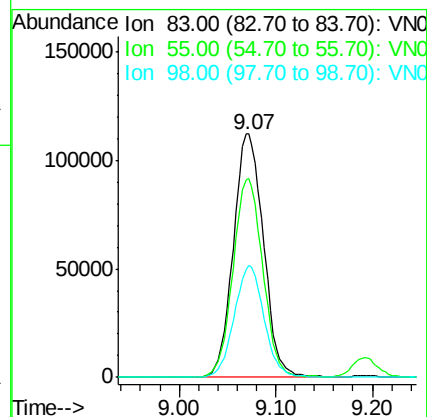
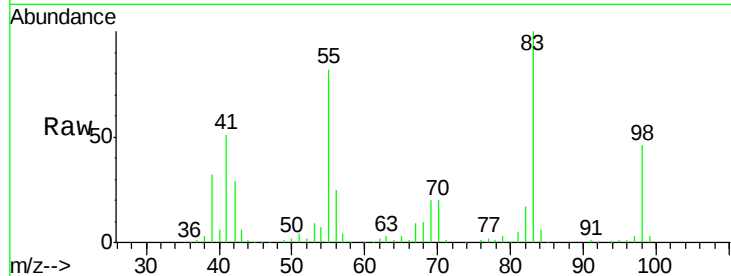




#39
Methvlcvclohexane
Concen: 46.192 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

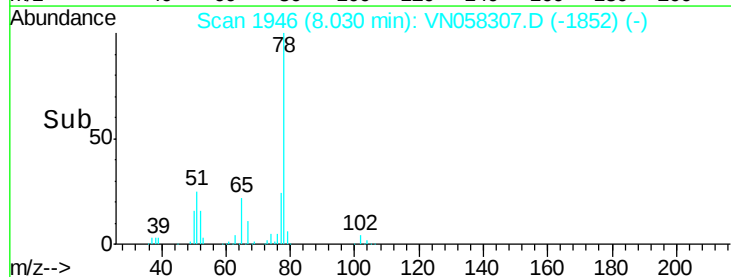
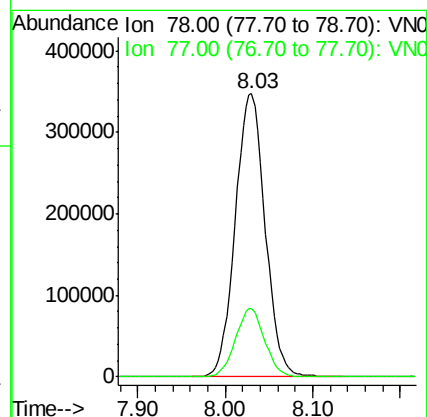
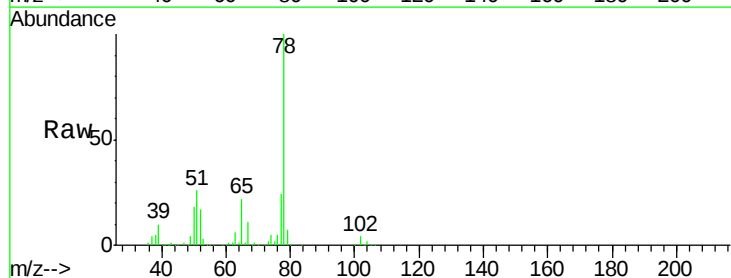
Instrument :
MSVOA_N
ClientSampled :

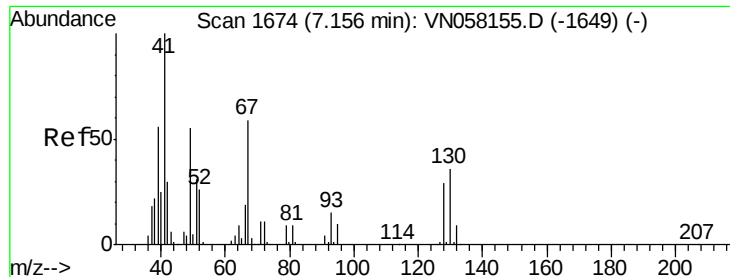
Tot Ion: 83 Resp: 242348
Ion Ratio Lower Upper
83 100
55 81.7 61.9 92.9
98 45.9 35.4 53.2



#40
Benzene
Concen: 49.598 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 78 Resp: 822122
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

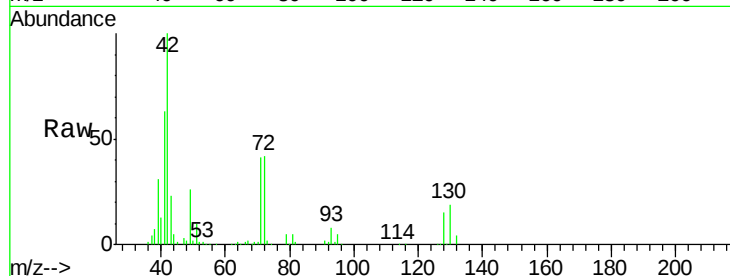




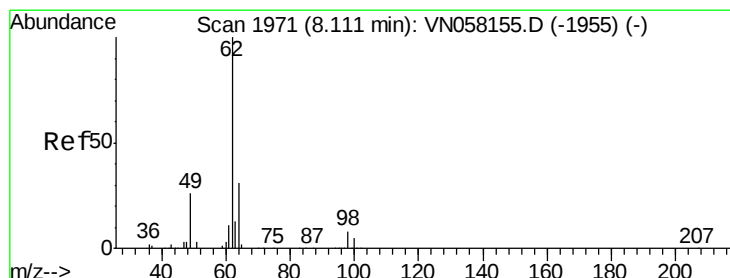
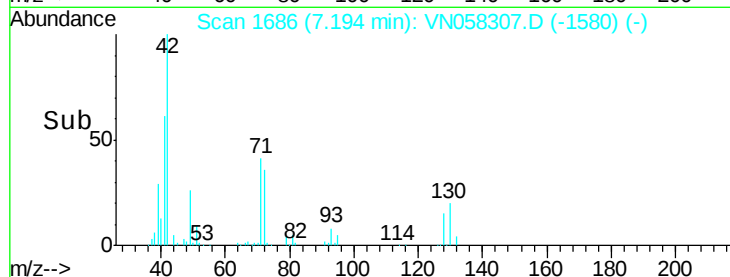
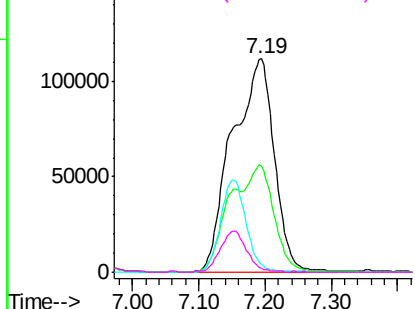
#41
Methacrylonitrile
Concen: 171.162 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	492008
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

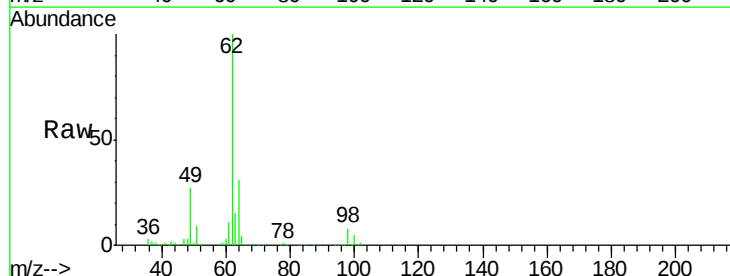


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

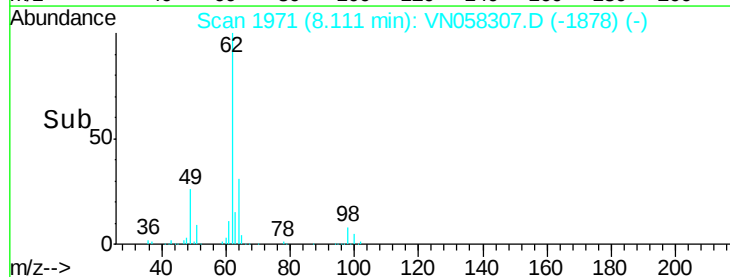
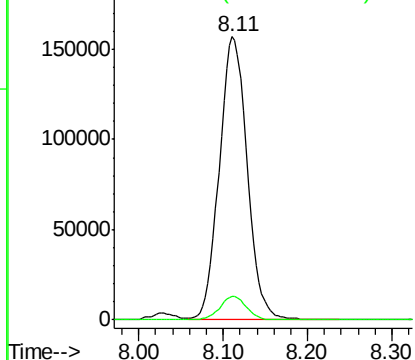


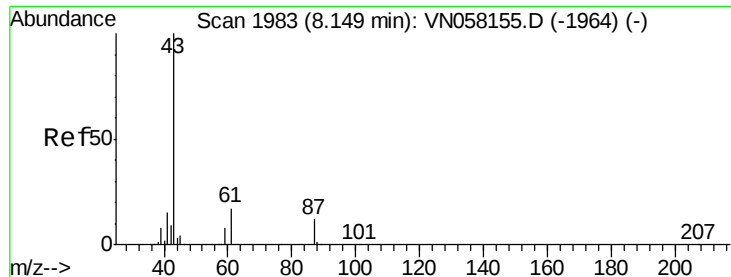
#42
1,2-Dichloroethane
Concen: 51.828 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion:	62	Resp:	360480
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6



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

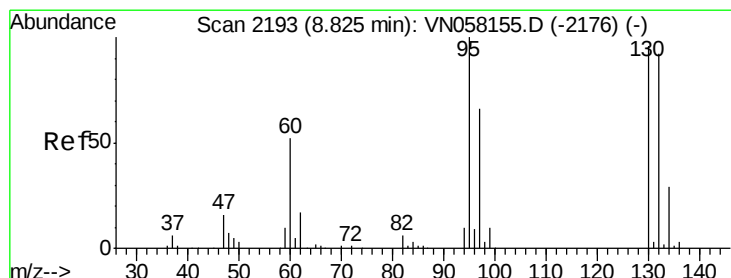
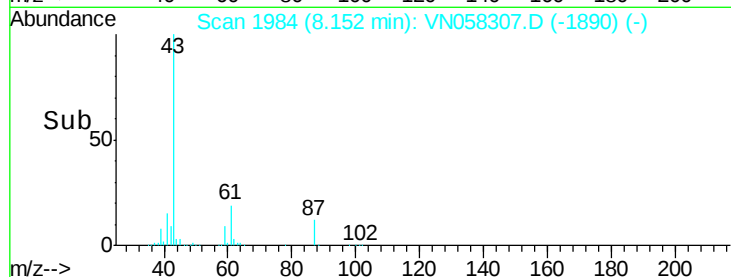
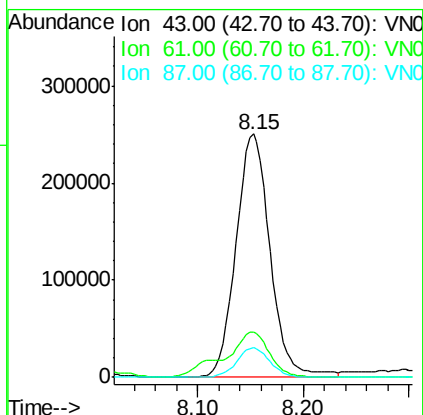
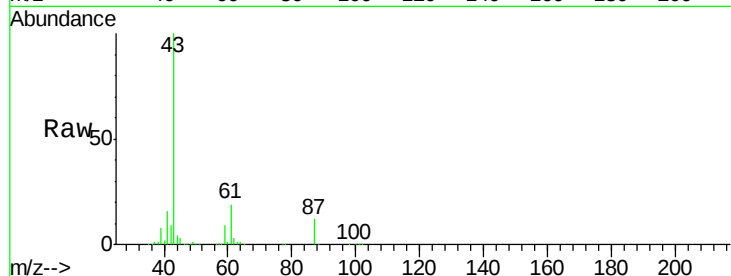




#43
Isopropyl Acetate
Concen: 53.180 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

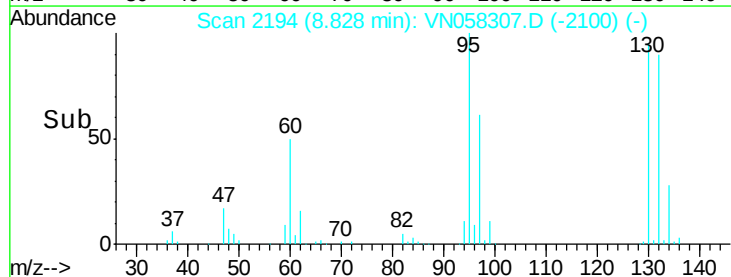
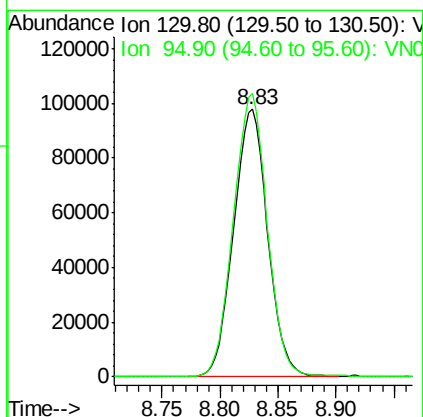
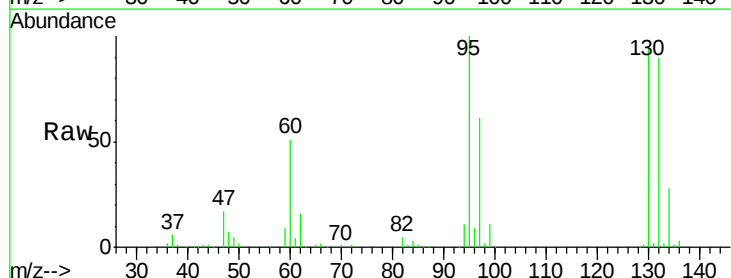
Instrument :
MSVOA_N
ClientSampleId :

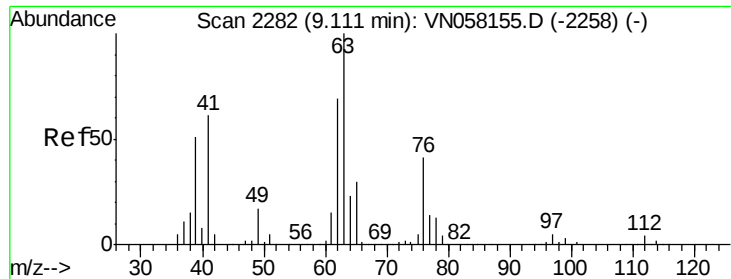
Tot Ion: 43 Resp: 559368
Ion Ratio Lower Upper
43 100
61 18.8 19.7 29.5#
87 11.9 9.4 14.2



#44
Trichloroethene
Concen: 49.177 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 130 Resp: 199477
Ion Ratio Lower Upper
130 100
95 105.8 0.0 207.8

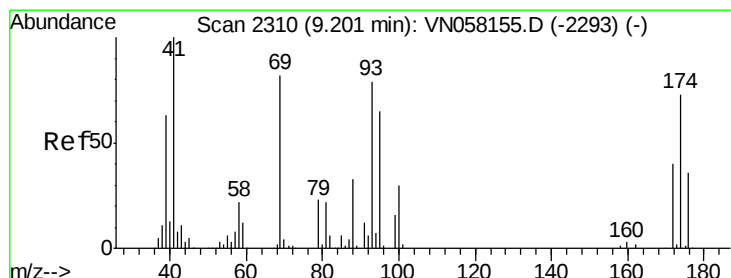
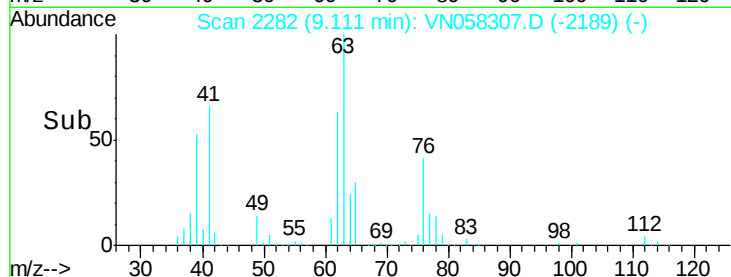
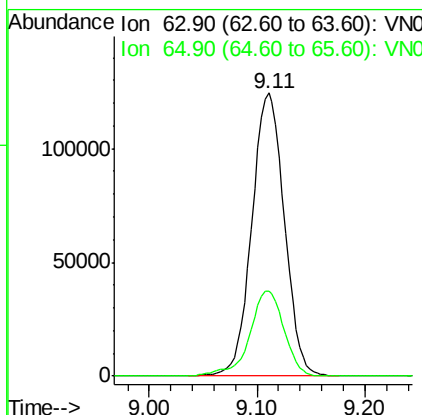
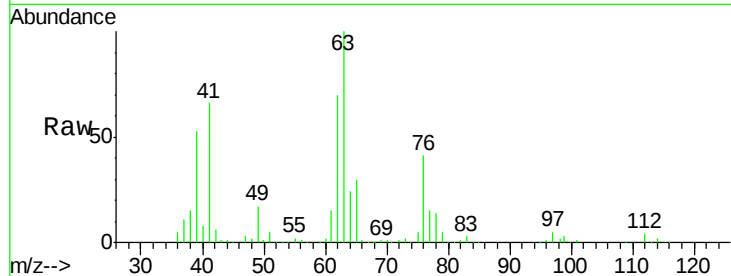




#45
 1,2-Dichloropropane
 Concen: 52.653 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

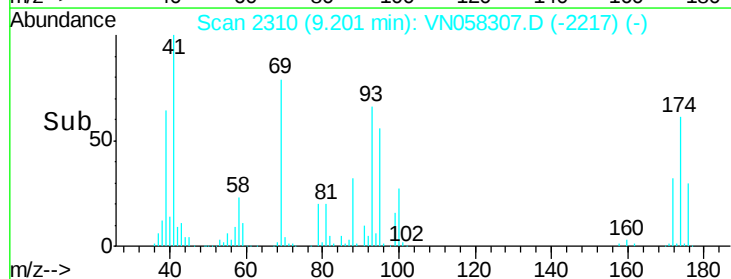
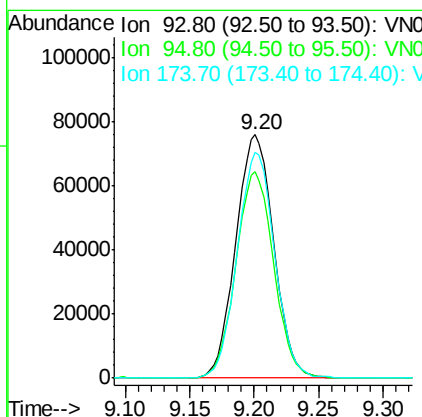
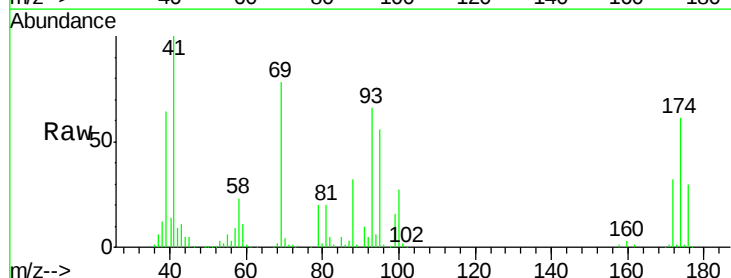
Instrument :
 MSVOA_N
 ClientSampled :

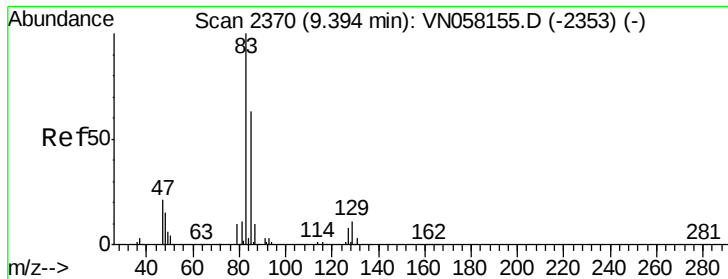
Tot Ion: 63 Resp: 260639
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6



#46
 Dibromomethane
 Concen: 51.647 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 93 Resp: 155437
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.8 100.2
 174 91.5 73.8 110.8





#47

Bromodichloromethane

Concen: 53.773 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

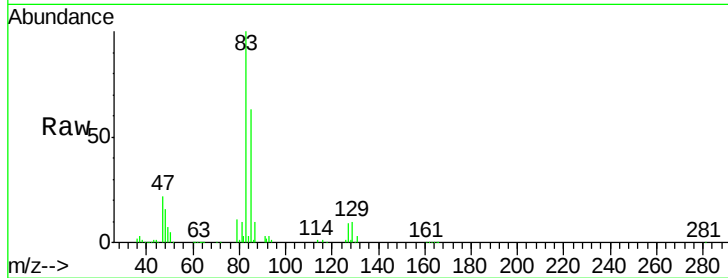
Tot Ion: 83 Resp: 339042

Ion Ratio Lower Upper

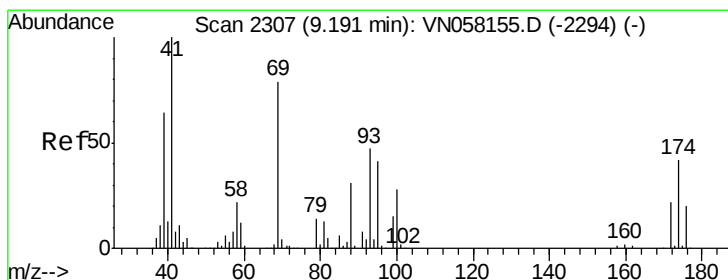
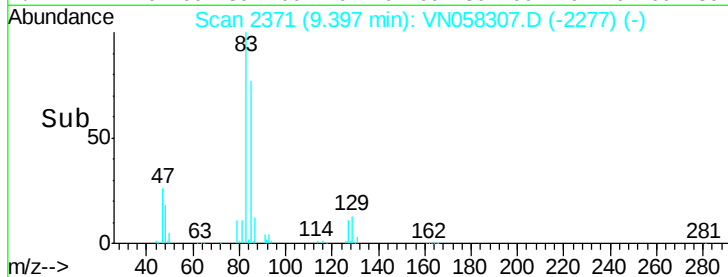
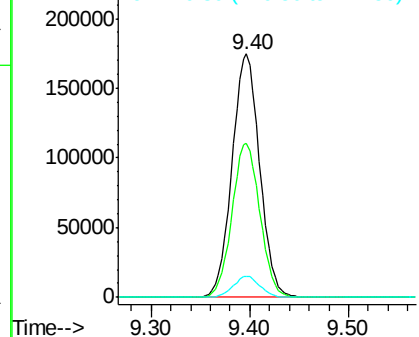
83 100

85 63.2 50.1 75.1

127 8.7 6.4 9.6



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



#48

Methyl methacrylate

Concen: 56.618 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

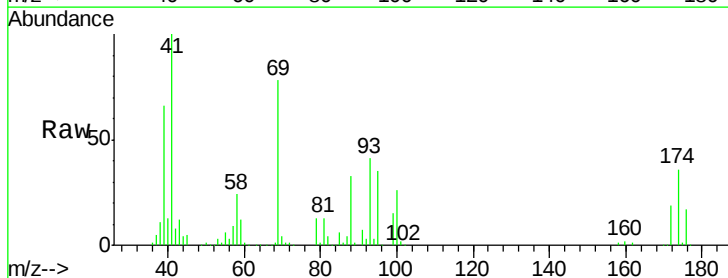
Tgt Ion: 41 Resp: 270396

Ion Ratio Lower Upper

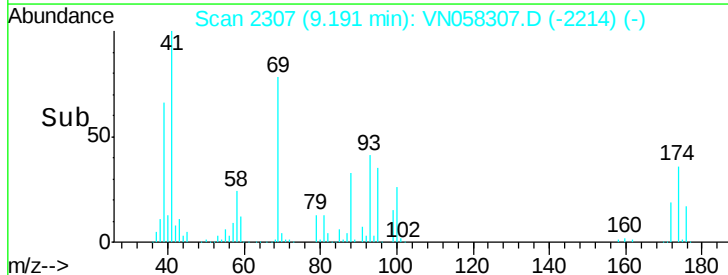
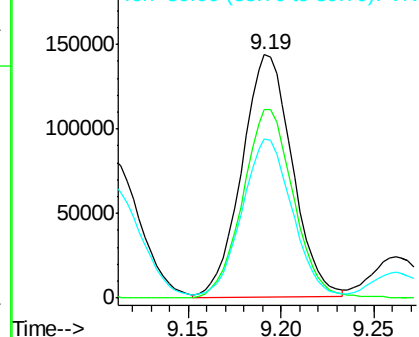
41 100

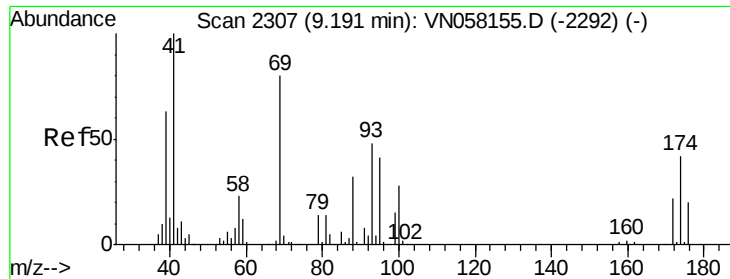
69 78.5 62.5 93.7

39 65.4 52.3 78.5



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

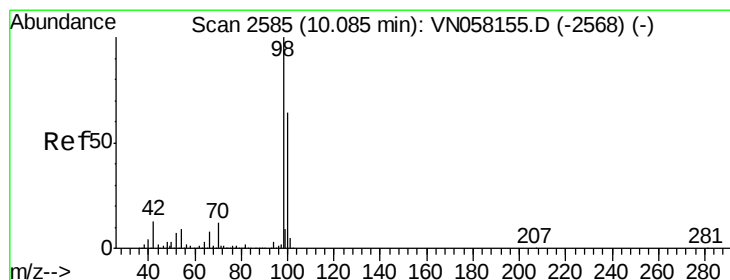
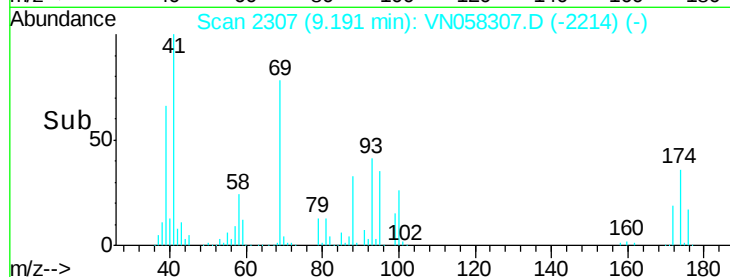
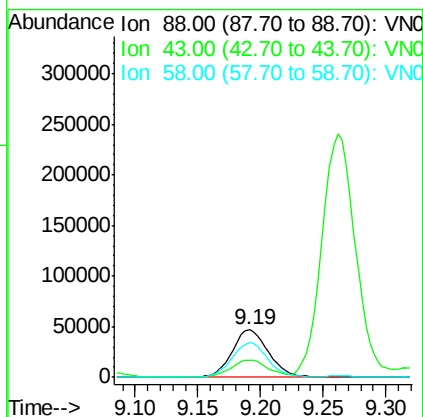
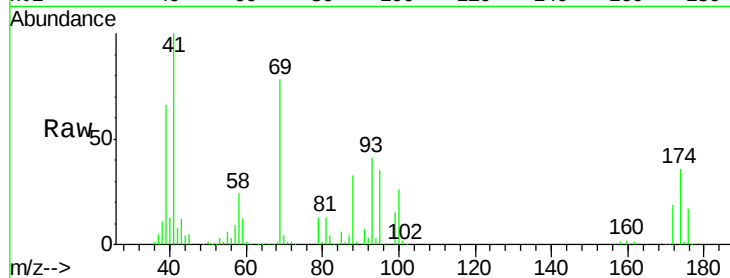




#49
 1,4-Dioxane
 Concen: 1223.735 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

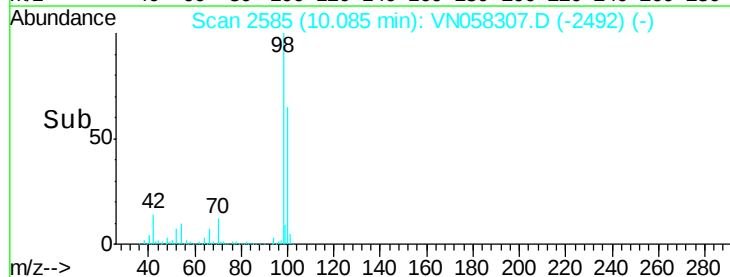
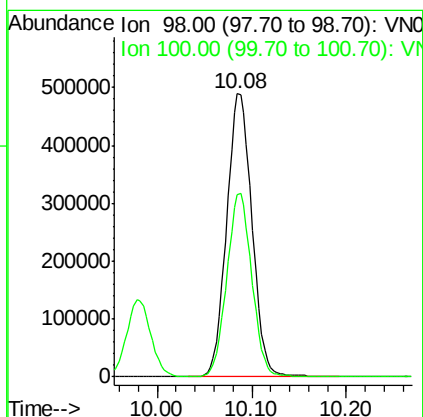
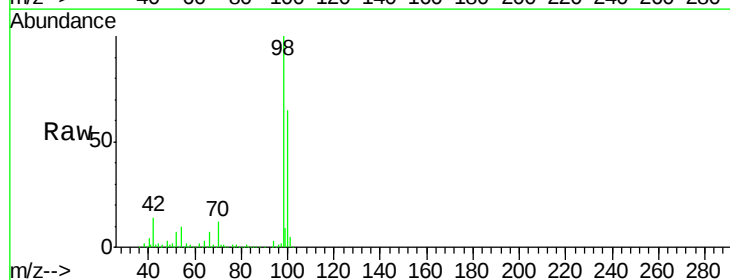
Instrument :
 MSVOA_N
 ClientSampled :

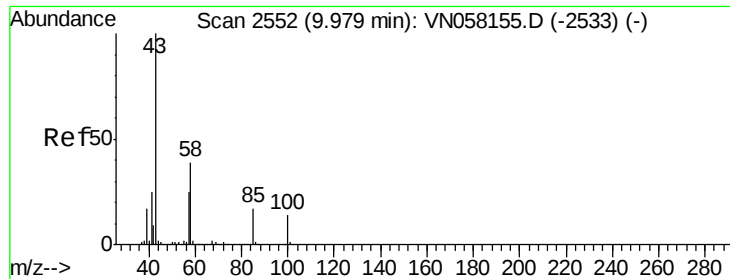
Tot Ion: 88 Resp: 95952
 Ion Ratio Lower Upper
 88 100
 43 35.0 27.8 41.8
 58 71.5 55.0 82.4



#50
 Toluene-d8
 Concen: 51.046 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion: 98 Resp: 909863
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 323.407 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

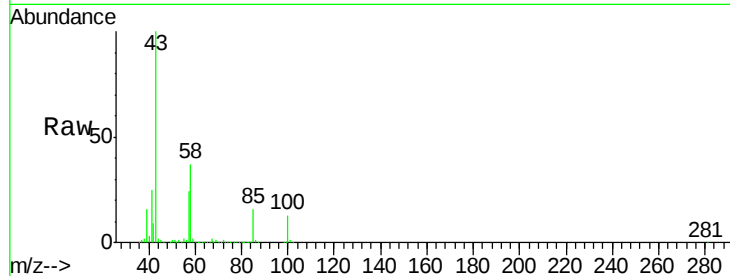
ClientSampleId :

Tot Ion: 43 Resp: 1806835

Ion Ratio Lower Upper

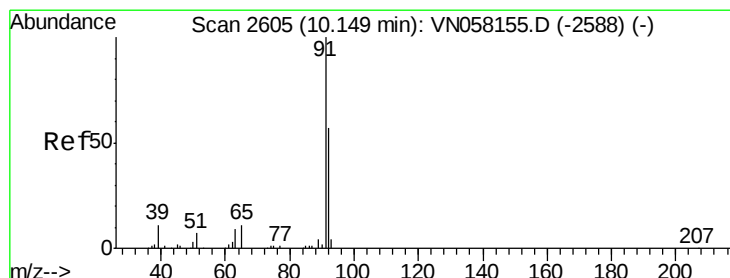
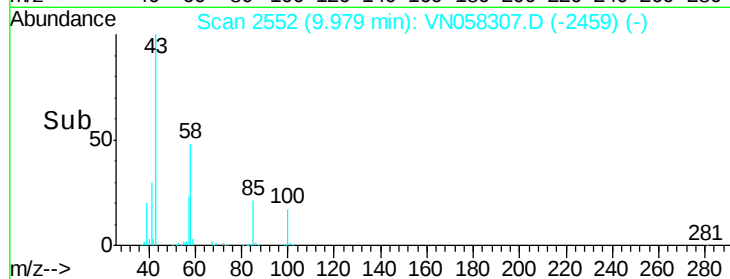
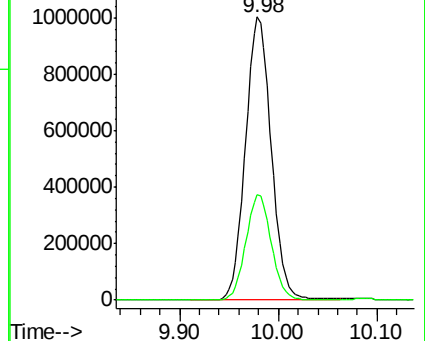
43 100

58 36.9 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.151 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058307.D

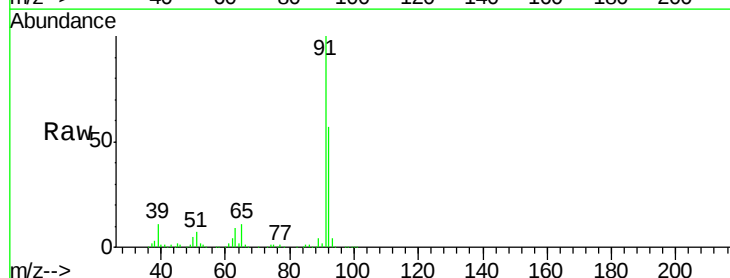
Acq: 23 Sep 2019 21:03

Tgt Ion: 92 Resp: 520977

Ion Ratio Lower Upper

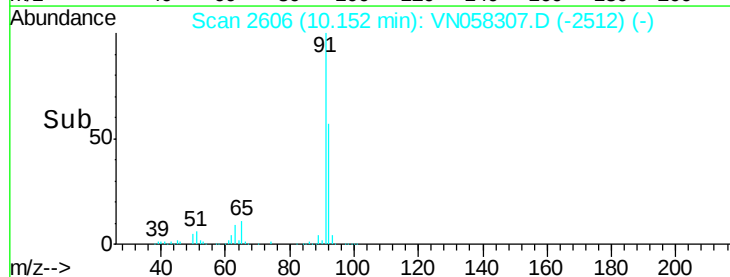
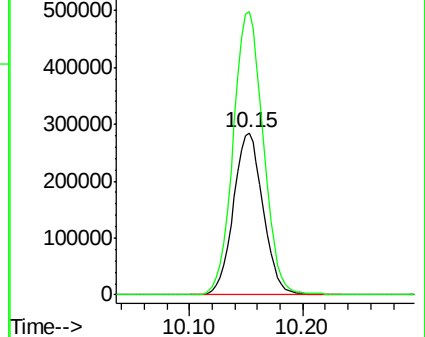
92 100

91 177.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 54.682 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

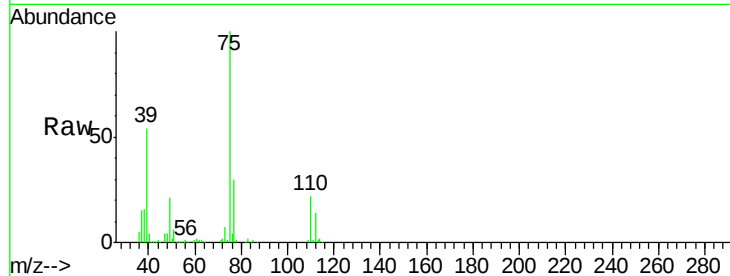
ClientSampleId :

Tot Ion: 75 Resp: 353169

Ion Ratio Lower Upper

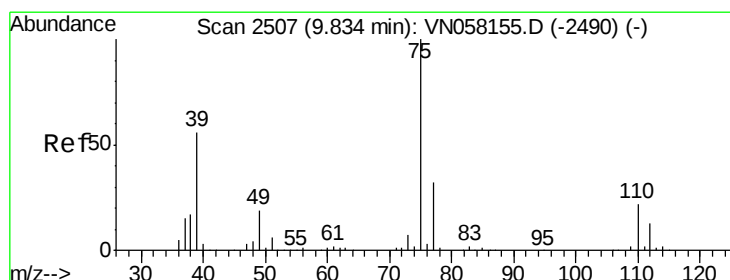
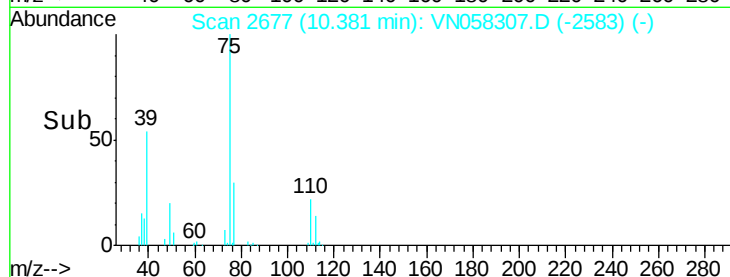
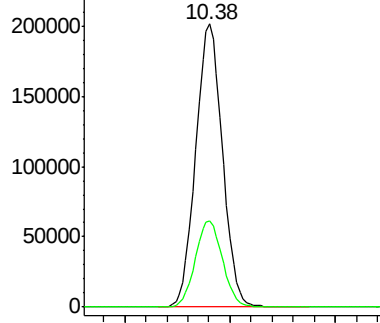
75 100

77 30.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.739 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

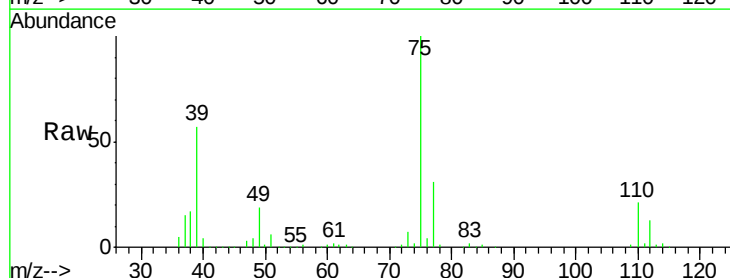
Tgt Ion: 75 Resp: 368936

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

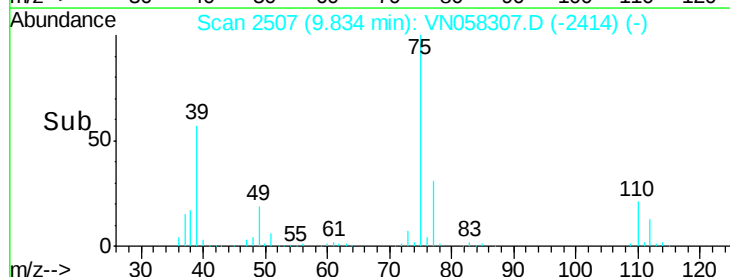
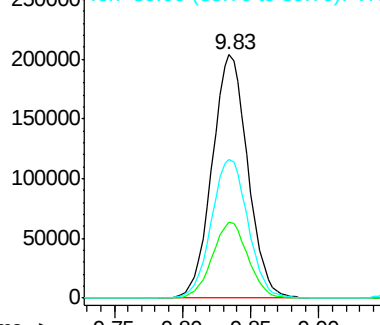
39 57.0 45.0 67.6

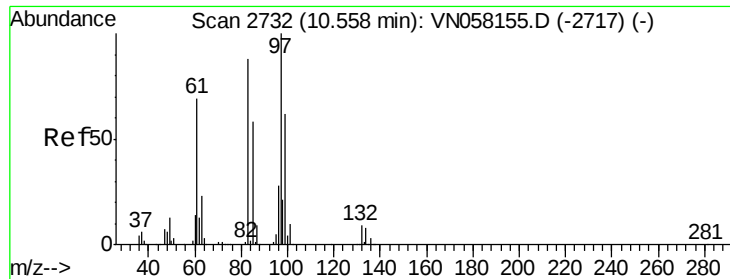


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 54.696 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

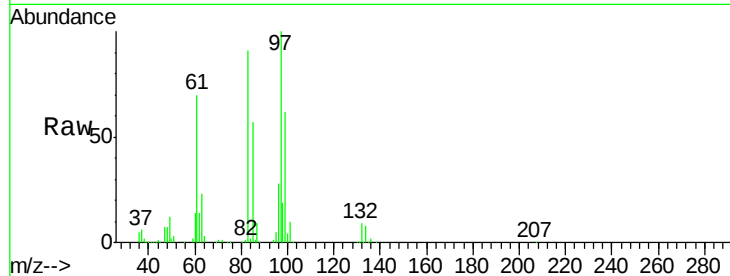
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 252150

Ion	Ratio	Lower	Upper
97	100		
83	91.3	70.4	105.6
85	56.8	46.8	70.2
99	61.8	49.9	74.9



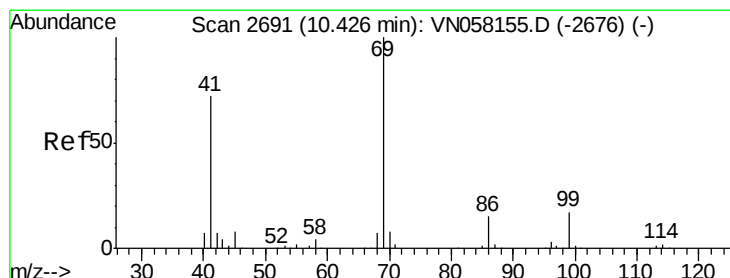
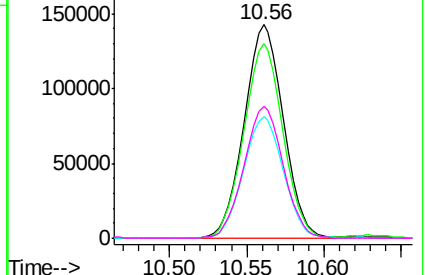
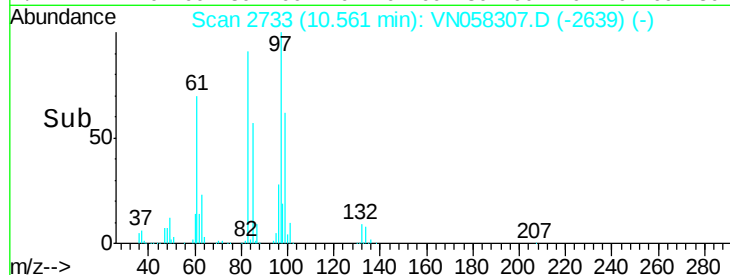
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 56.584 ug/l

RT: 10.43 min Scan# 2692

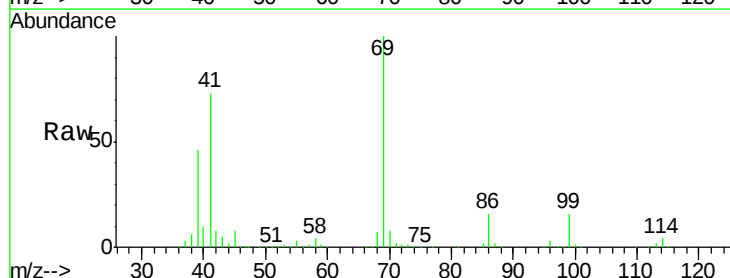
Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion: 69 Resp: 376367

Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.5	86.3
39	45.7	36.1	54.1

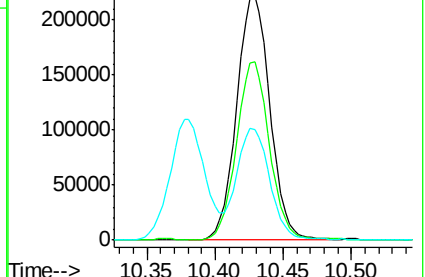
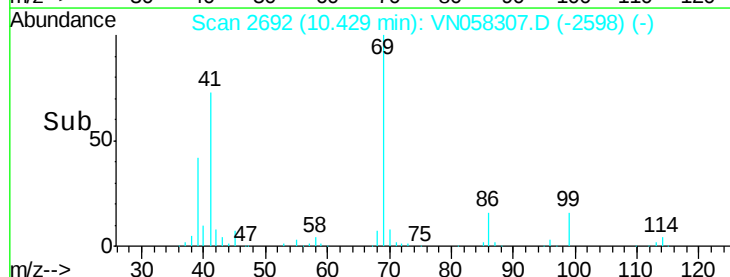


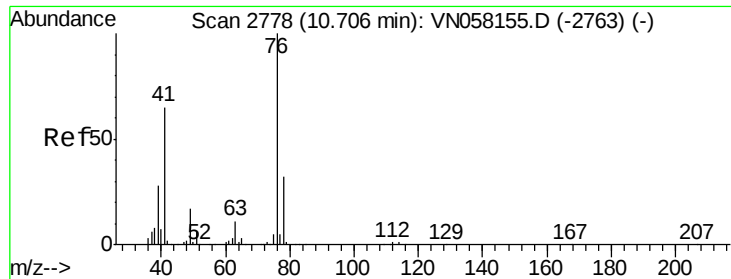
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.218 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

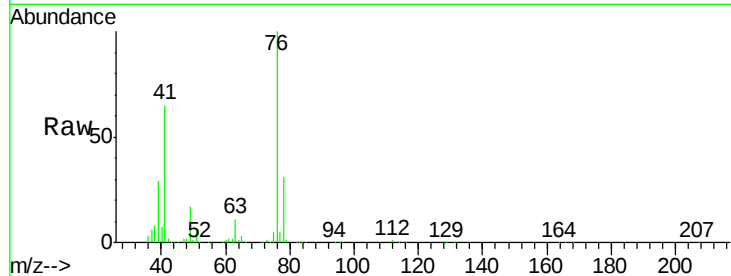
ClientSampled :

Tot Ion: 76 Resp: 429689

Ion Ratio Lower Upper

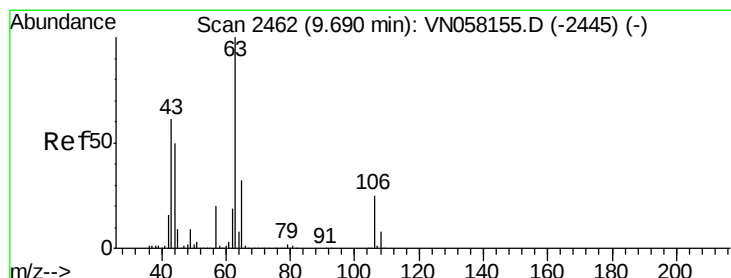
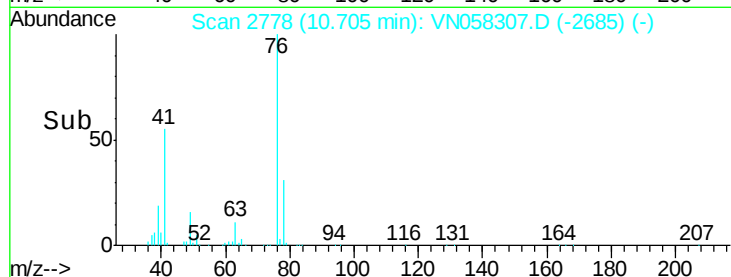
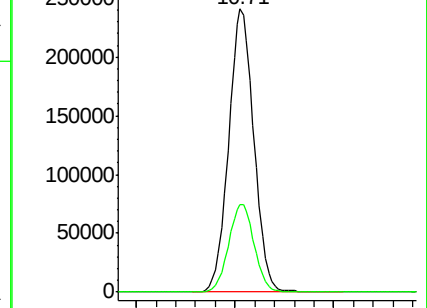
76 100

78 31.6 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 289.056 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058307.D

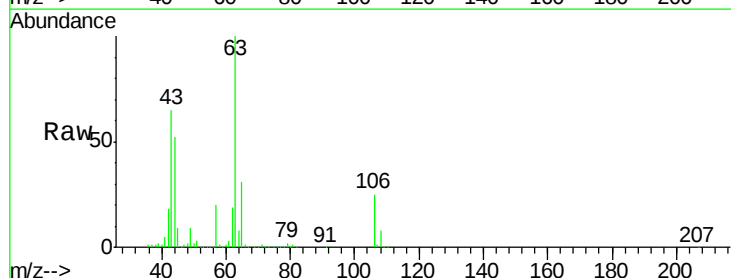
Acq: 23 Sep 2019 21:03

Tgt Ion: 63 Resp: 915811

Ion Ratio Lower Upper

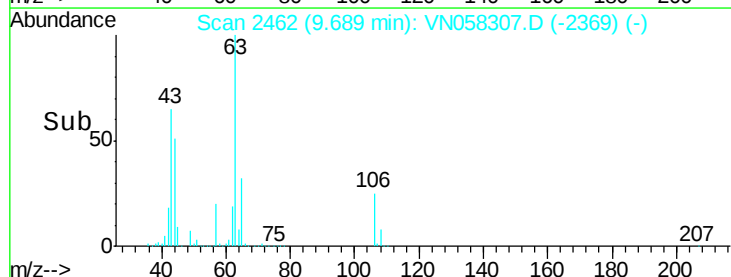
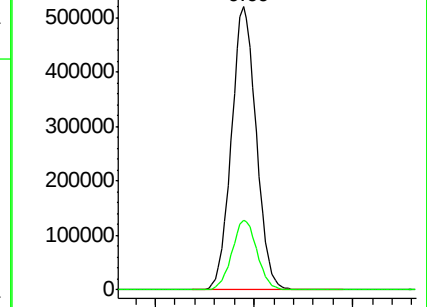
63 100

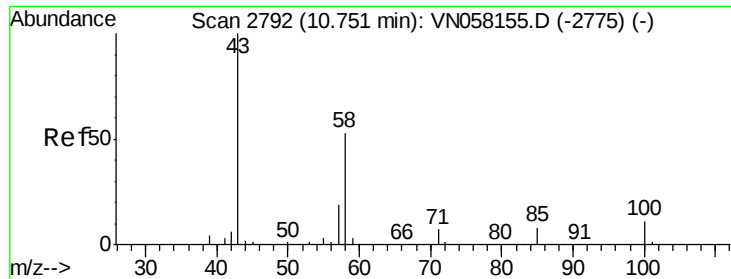
106 24.8 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 313.925 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

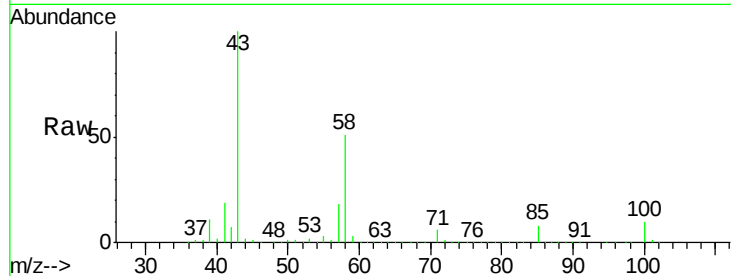
ClientSampled :

Tot Ion: 43 Resp: 1302575

Ion Ratio Lower Upper

43 100

58 50.9 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-2775) (-)

10.75

800000

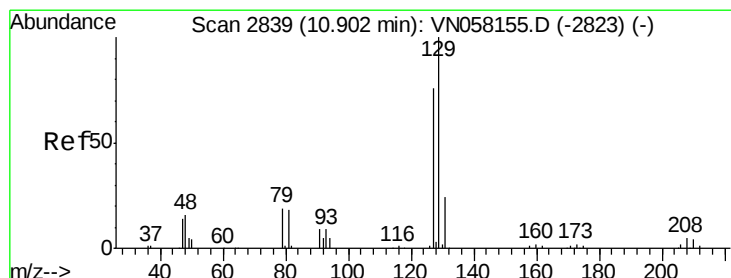
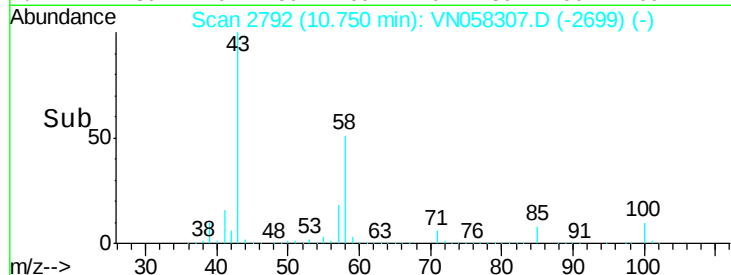
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 56.154 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058307.D

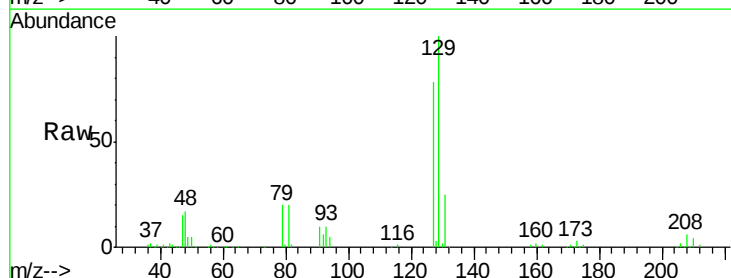
Acq: 23 Sep 2019 21:03

Tgt Ion: 129 Resp: 249047

Ion Ratio Lower Upper

129 100

127 77.0 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): VN058155.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN058155.D (-2823) (-)

10.90

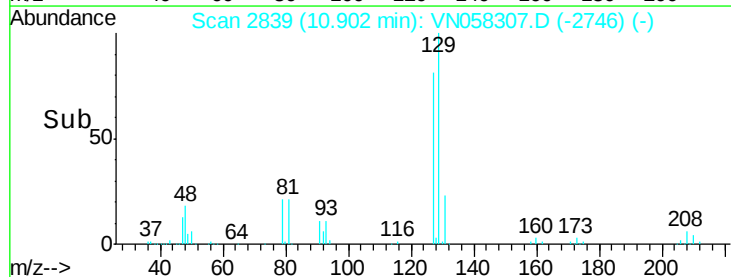
150000

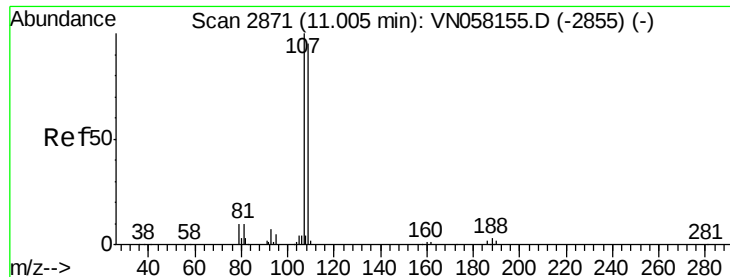
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 54.941 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

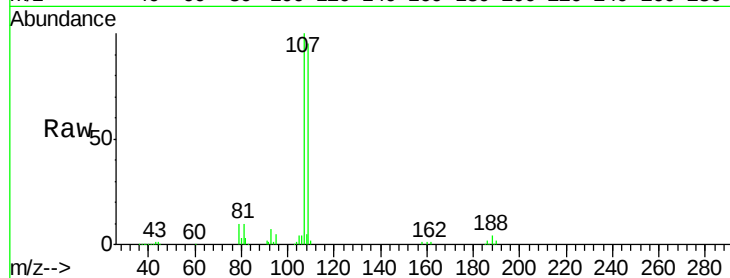
ClientSampled :

Tot Ion: 107 Resp: 234725

Ion Ratio Lower Upper

107 100

109 94.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

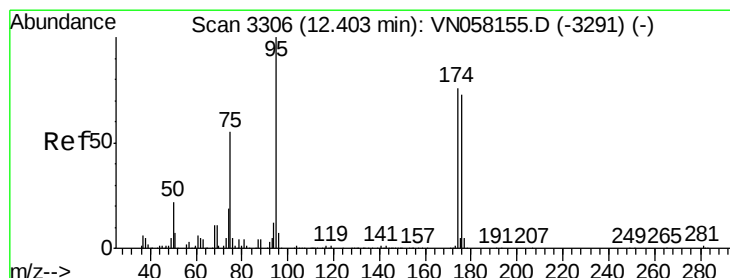
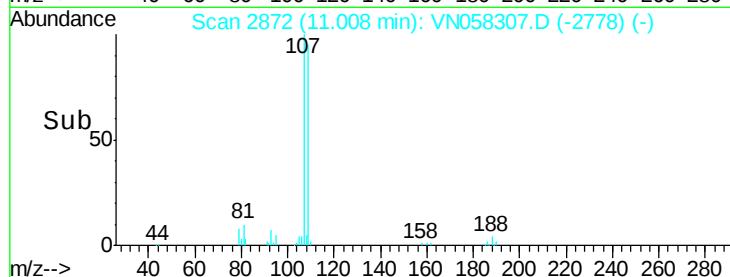
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.870 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

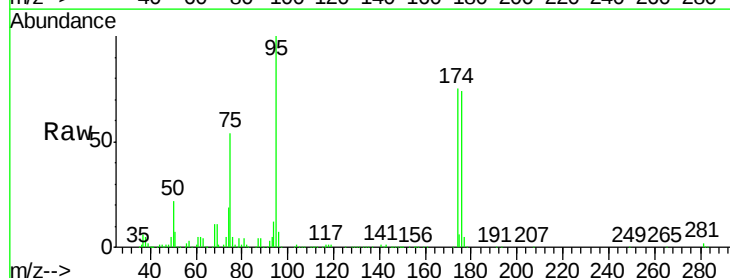
Tgt Ion: 95 Resp: 336815

Ion Ratio Lower Upper

95 100

174 75.4 0.0 152.2

176 73.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

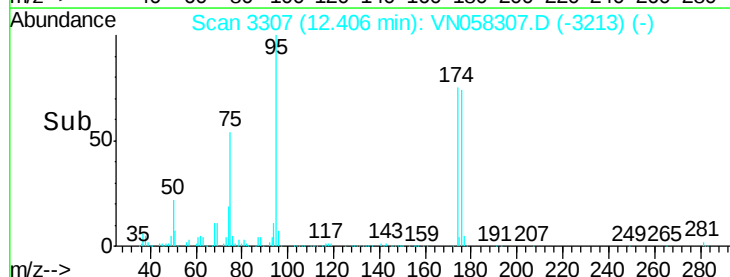
150000

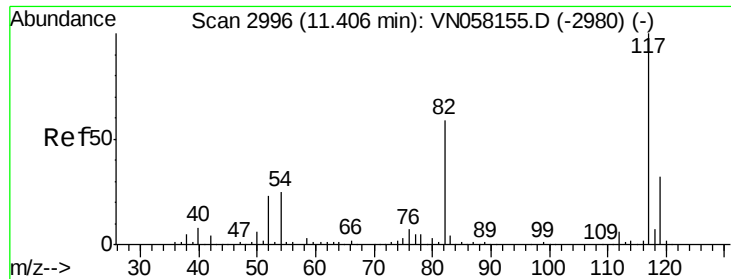
100000

50000

0

Time--> 12.35 12.40 12.45

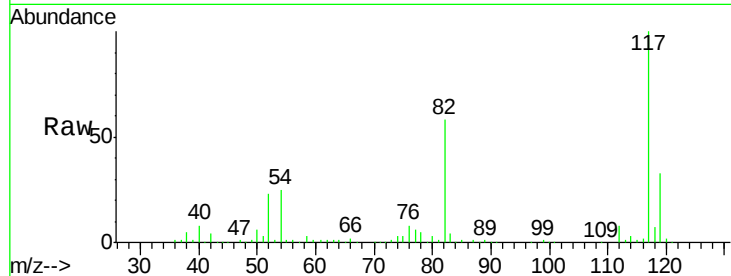




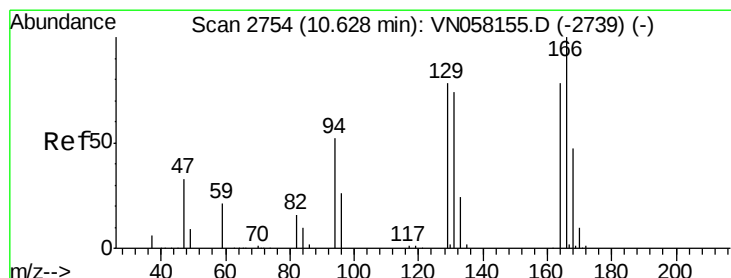
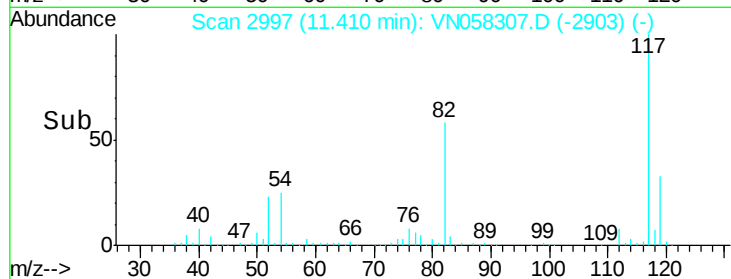
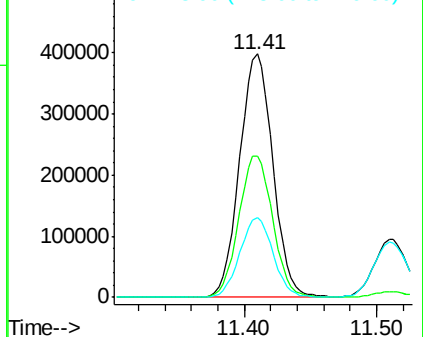
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 694551
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 32.8 25.3 37.9

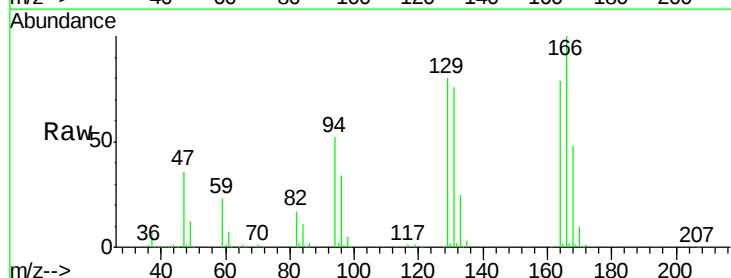


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

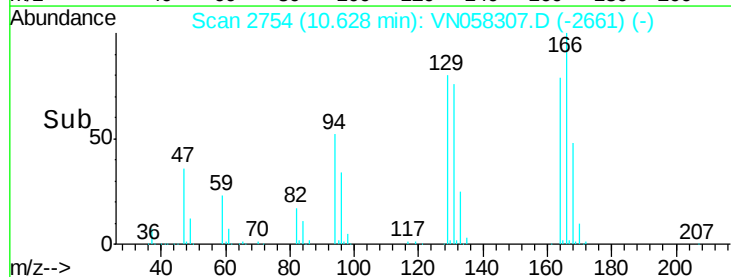
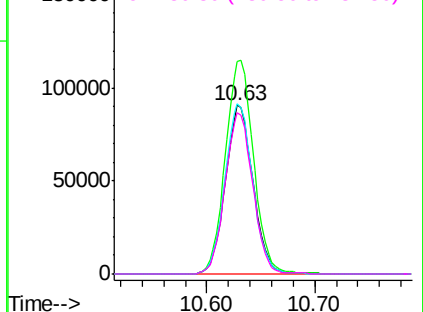


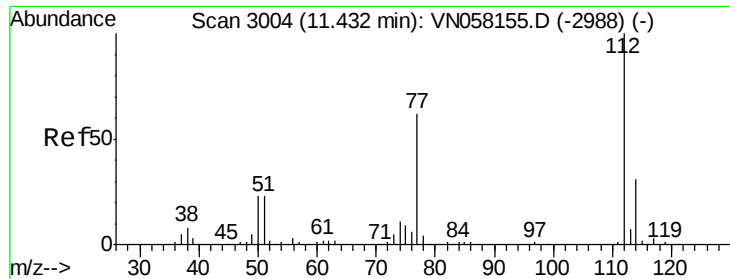
#64
Tetrachloroethene
Concen: 47.740 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion:164 Resp: 161638
Ion Ratio Lower Upper
164 100
166 126.4 102.2 153.4
129 101.2 79.6 119.4
131 96.1 76.0 114.0



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

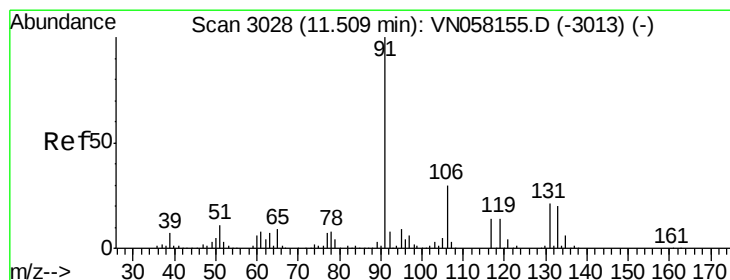
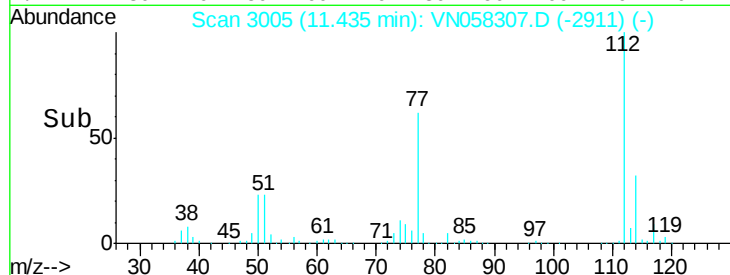
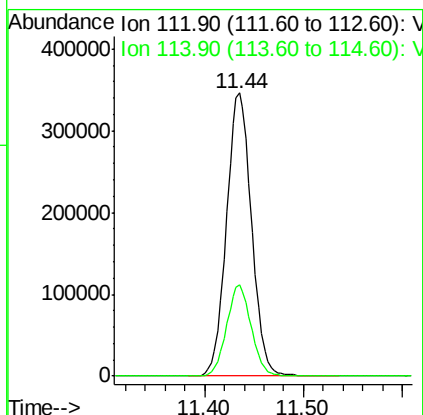
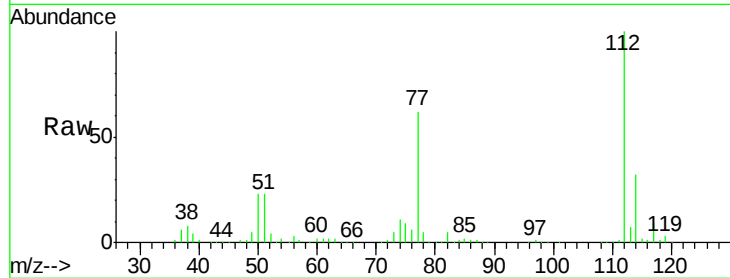




#65
Chlorobenzene
Concen: 50.234 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

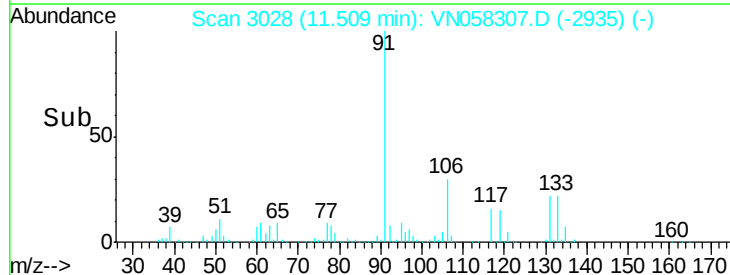
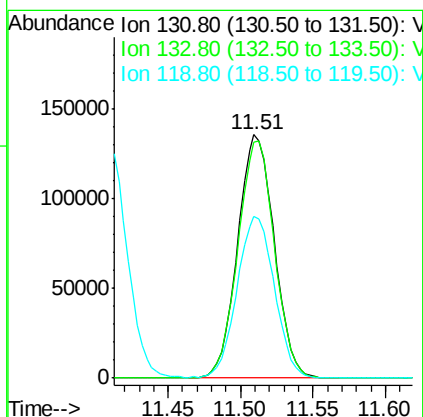
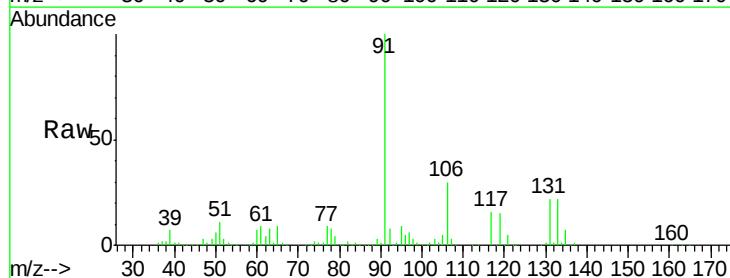
Instrument :
MSVOA_N
ClientSampled :

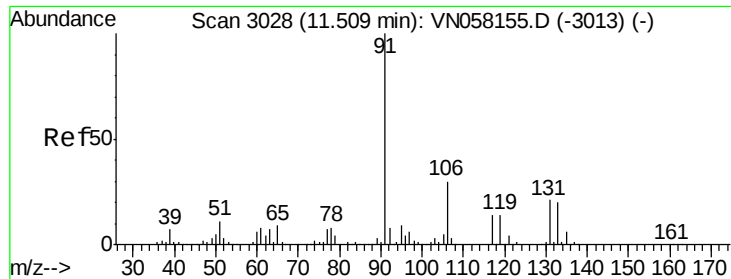
Tot Ion:112 Resp: 613697
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.700 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion:131 Resp: 237881
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 68.0 33.1 99.3

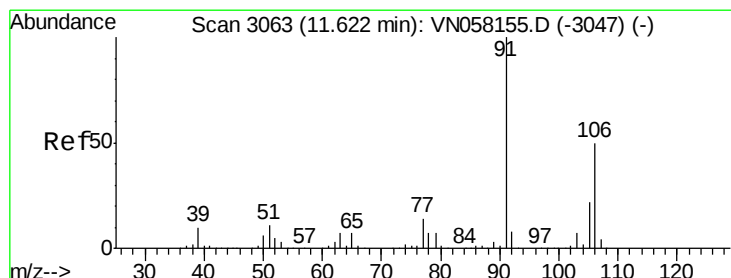
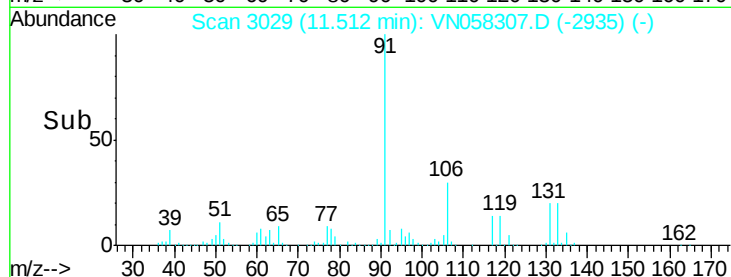
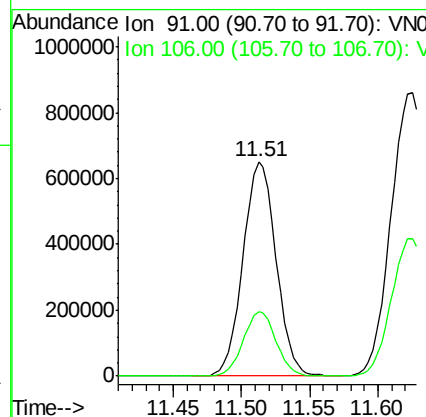
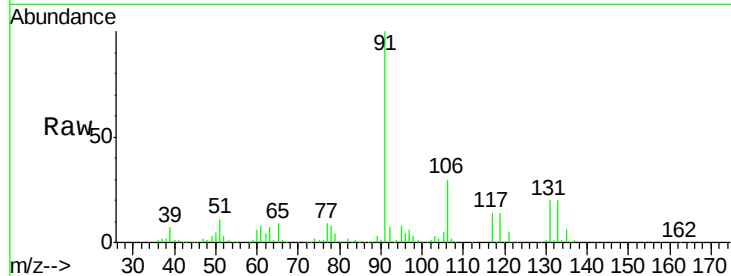




#67
Ethyl Benzene
Concen: 52.366 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

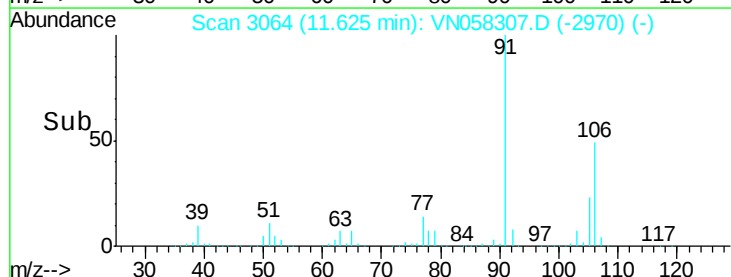
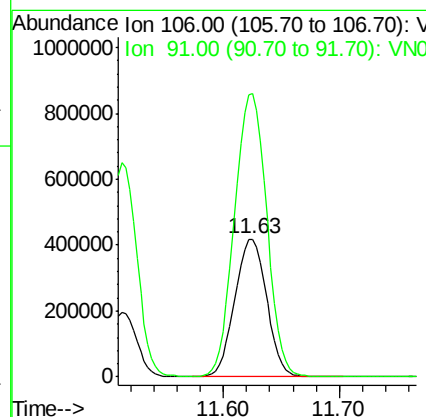
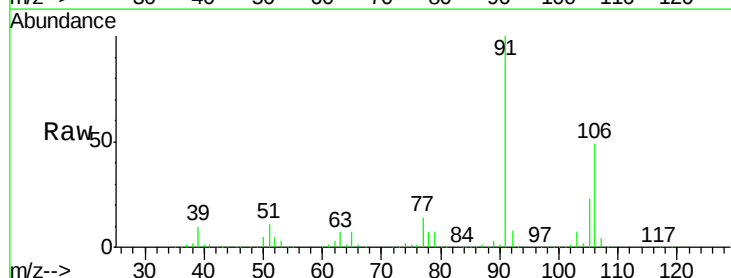
Instrument :
MSVOA_N
ClientSampled :

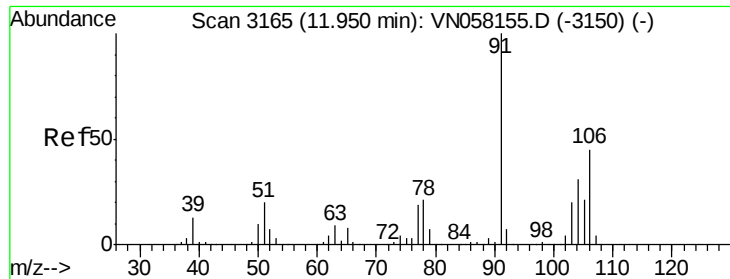
Tot Ion: 91 Resp: 1096180
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 100.921 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion: 106 Resp: 795666
Ion Ratio Lower Upper
106 100
91 208.1 163.6 245.4

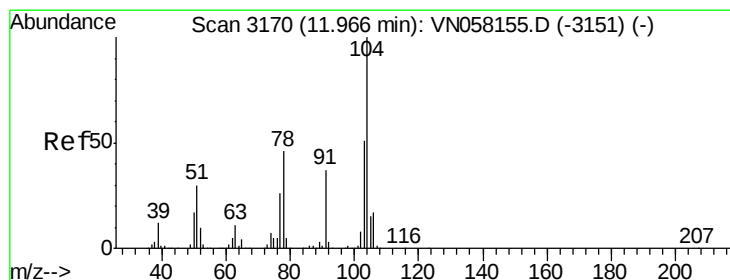
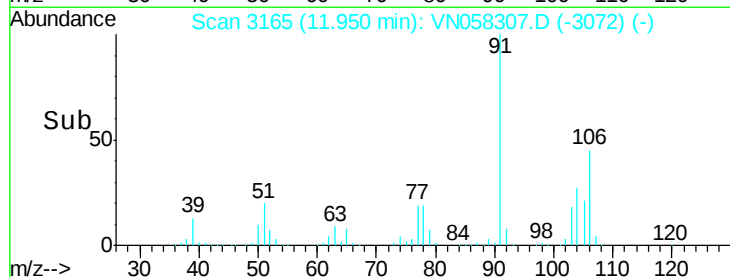
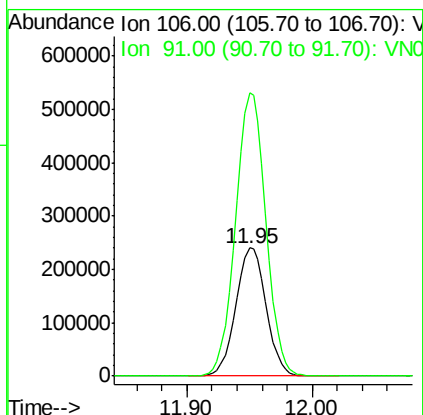
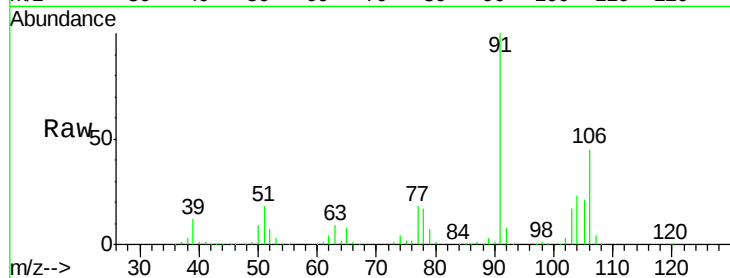




#69
o-Xylene
Concen: 51.860 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

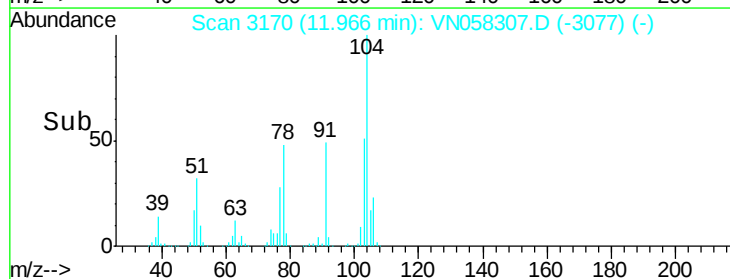
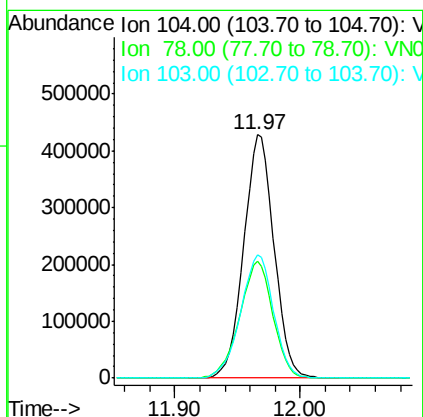
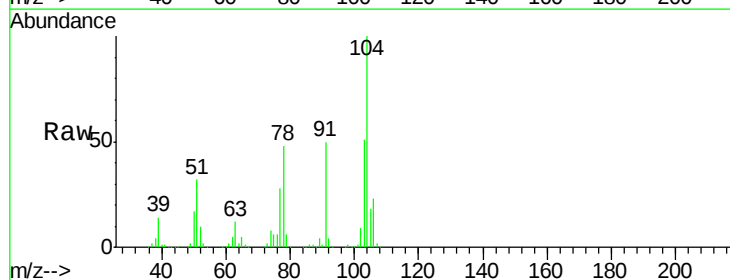
Instrument :
MSVOA_N
ClientSampled :

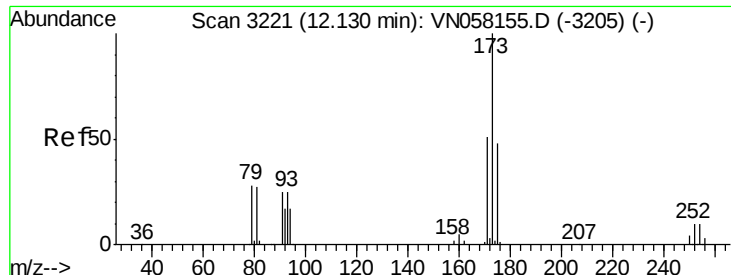
Tot Ion:106 Resp: 402032
Ion Ratio Lower Upper
106 100
91 221.4 111.8 335.3



#70
Styrene
Concen: 53.911 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058307.D
Acq: 23 Sep 2019 21:03

Tgt Ion:104 Resp: 720095
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 55.1 44.2 66.2





#71

Bromoform

Concen: 49.645 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

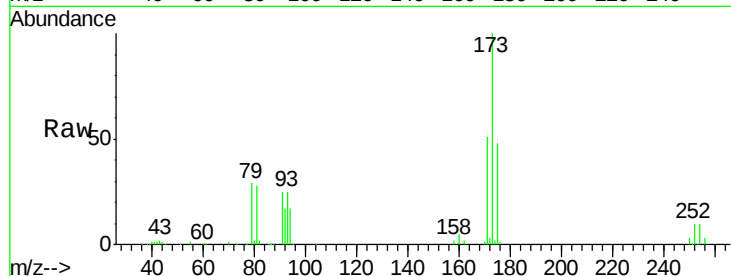
Tot Ion:173 Resp: 162955

Ion Ratio Lower Upper

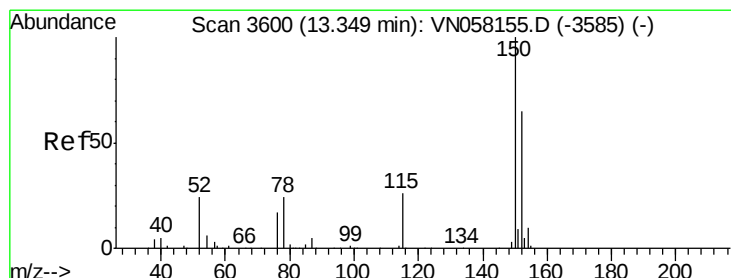
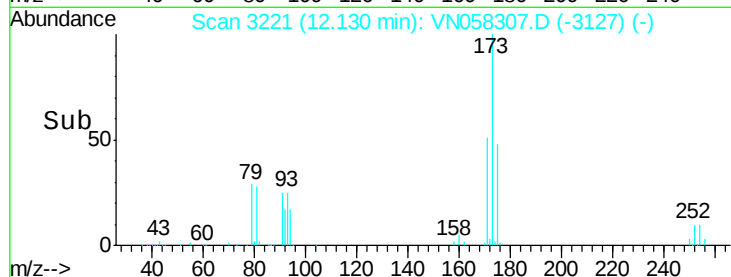
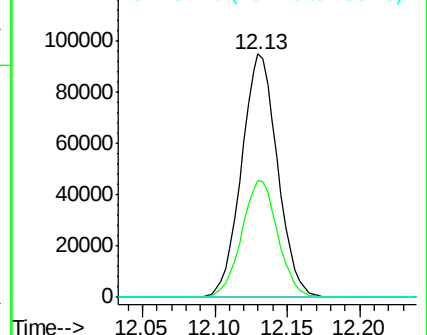
173 100

175 48.3 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

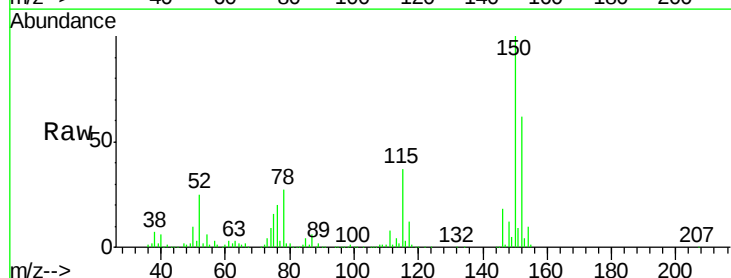
Tgt Ion:152 Resp: 342195

Ion Ratio Lower Upper

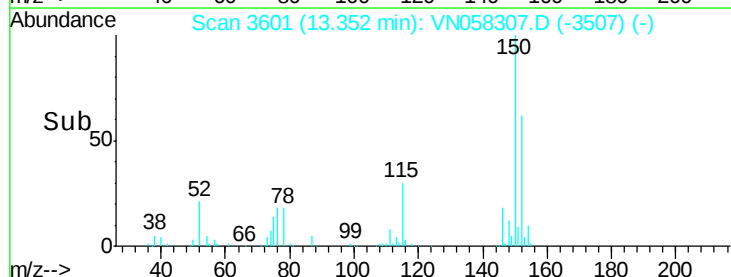
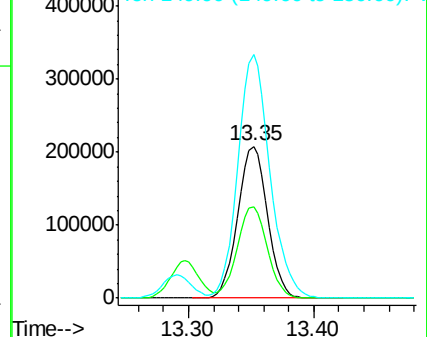
152 100

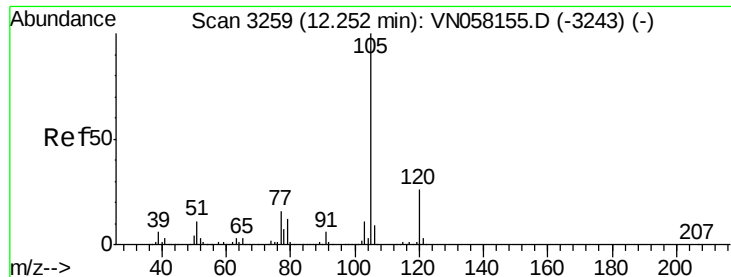
115 60.9 30.1 90.3

150 172.8 0.0 346.4



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





#73

Isopropylbenzene

Concen: 53.632 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

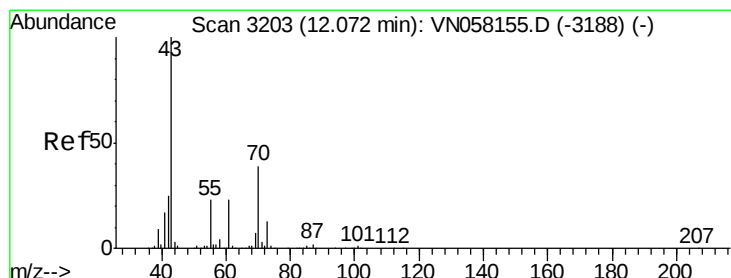
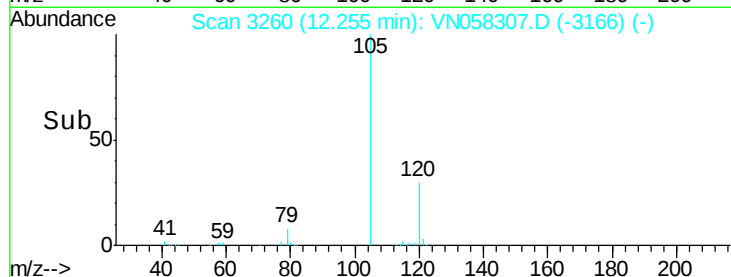
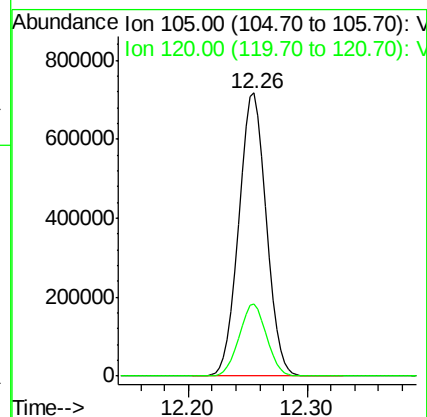
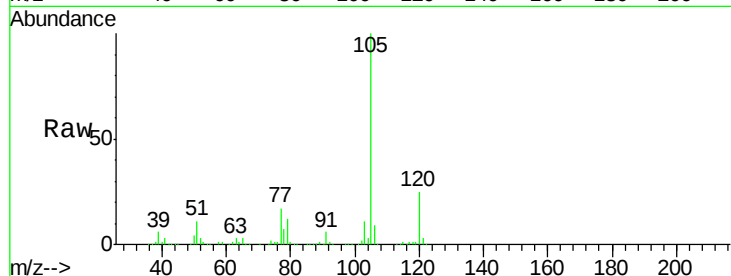
ClientSampled :

Tot Ion:105 Resp: 1148755

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 58.989 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Tgt Ion: 43 Resp: 528573

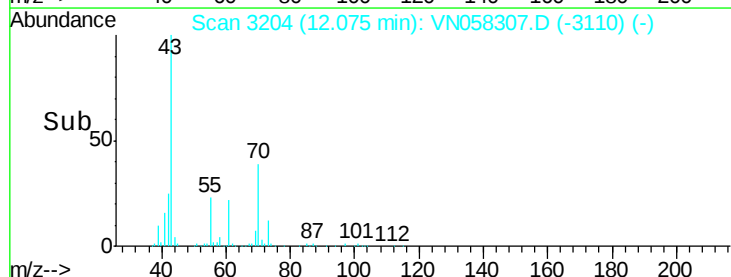
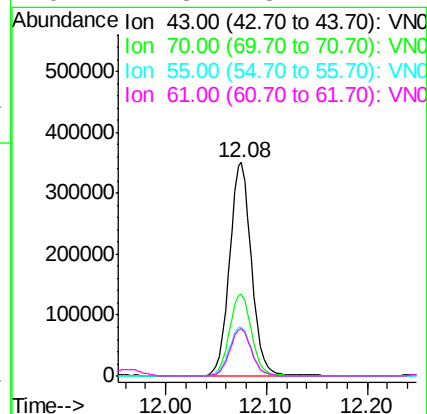
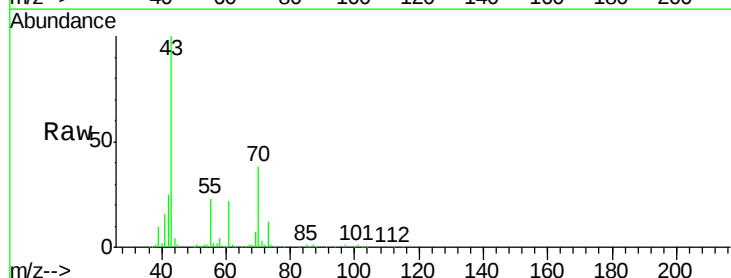
Ion Ratio Lower Upper

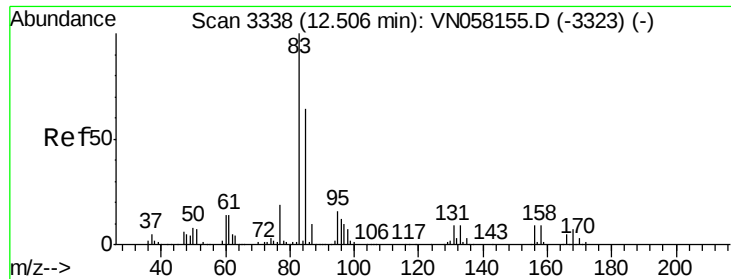
43 100

70 39.2 31.0 46.6

55 23.6 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.935 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampled :

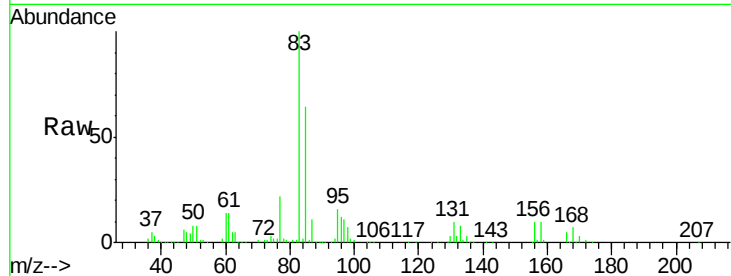
Tot Ion: 83 Resp: 408383

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

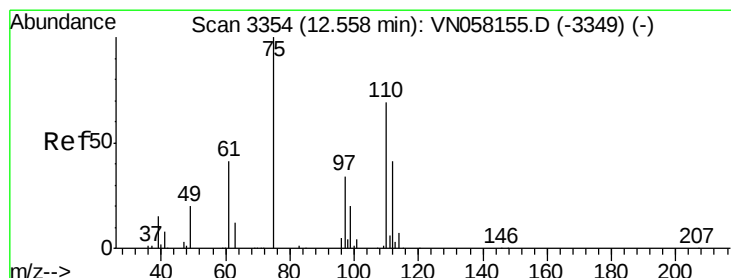
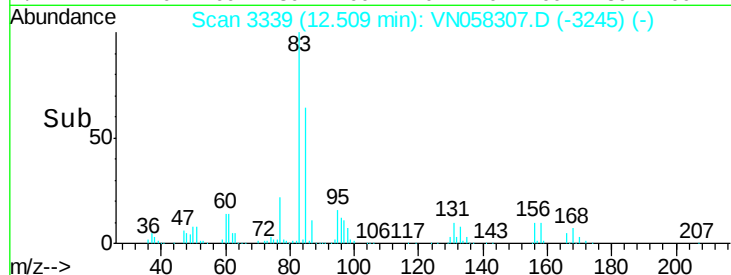
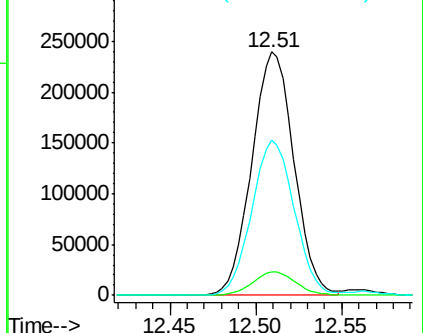
85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 78.898 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058307.D

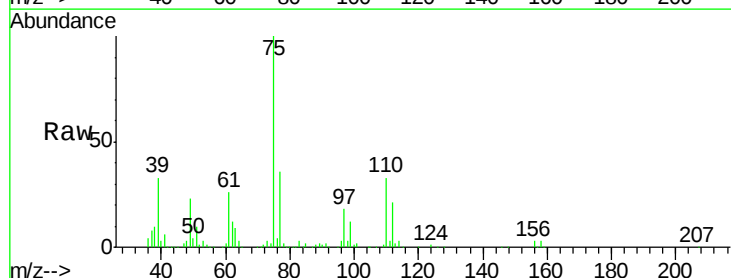
Acq: 23 Sep 2019 21:03

Tgt Ion: 75 Resp: 483188

Ion Ratio Lower Upper

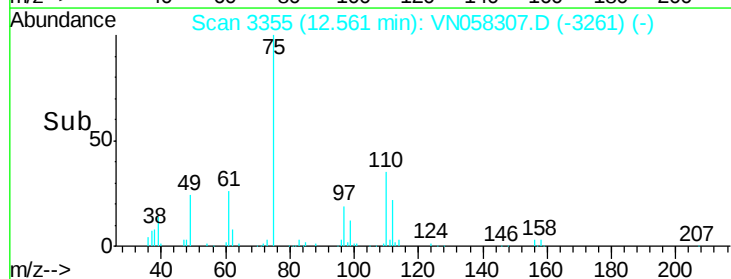
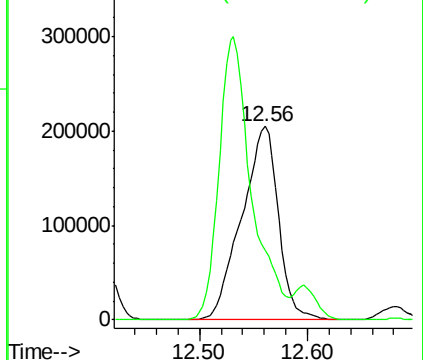
75 100

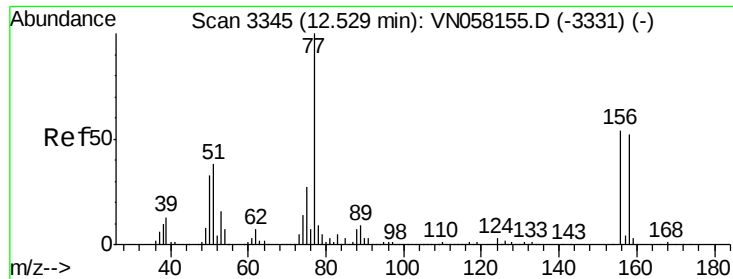
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.680 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

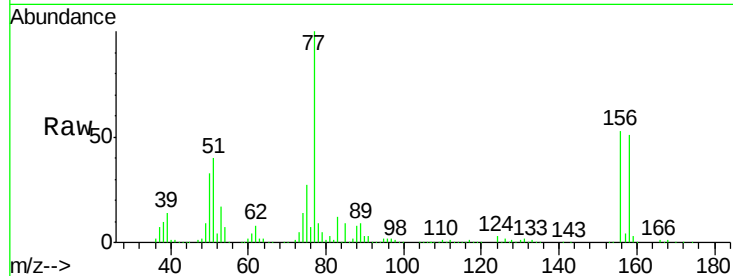
Tot Ion:156 Resp: 273054

Ion Ratio Lower Upper

156 100

77 230.8 111.7 335.1

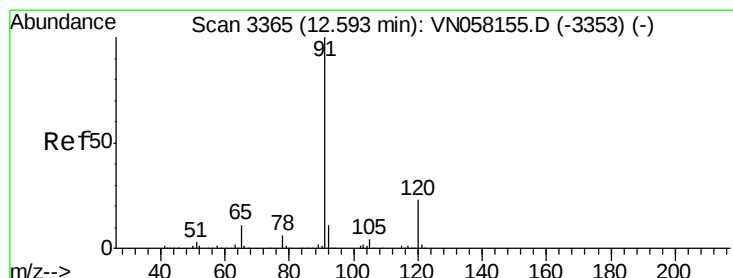
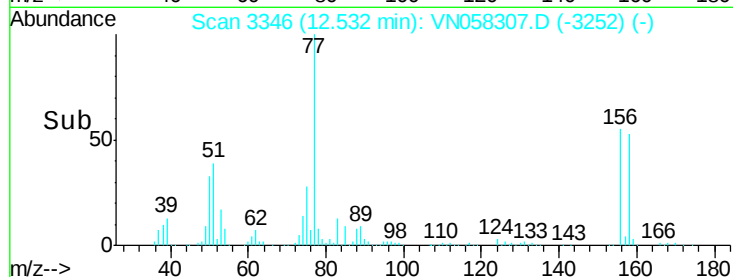
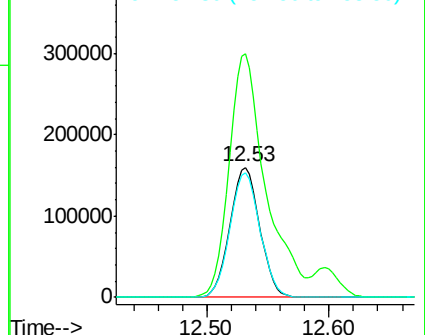
158 96.9 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.415 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058307.D

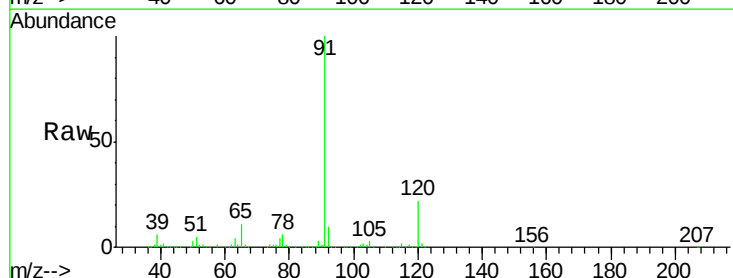
Acq: 23 Sep 2019 21:03

Tgt Ion: 91 Resp: 1348781

Ion Ratio Lower Upper

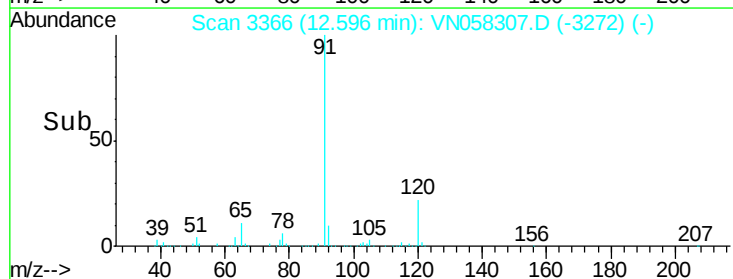
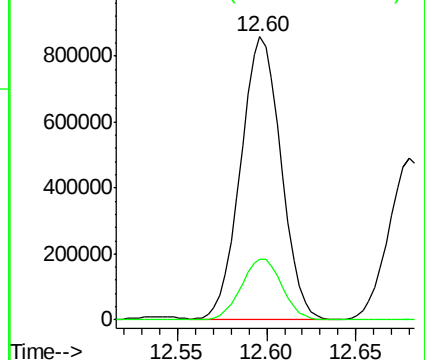
91 100

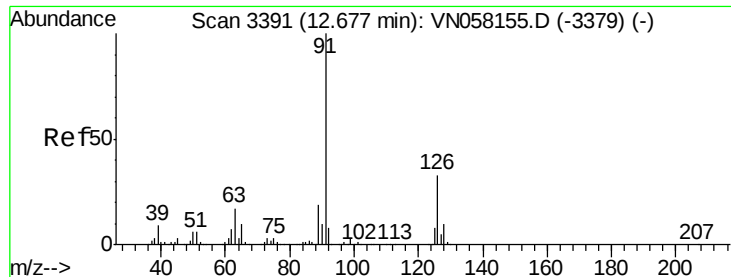
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.022 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

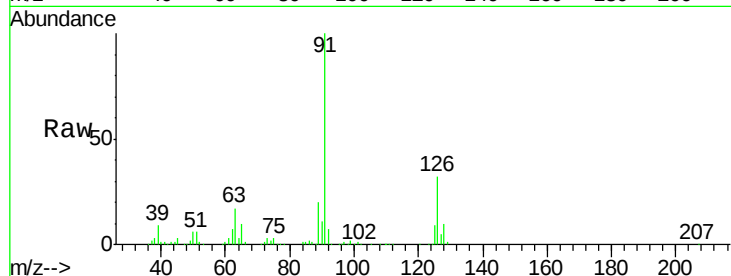
ClientSampled :

Tot Ion: 91 Resp: 806552

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

600000

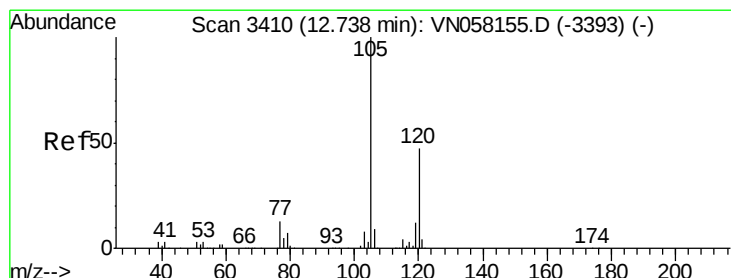
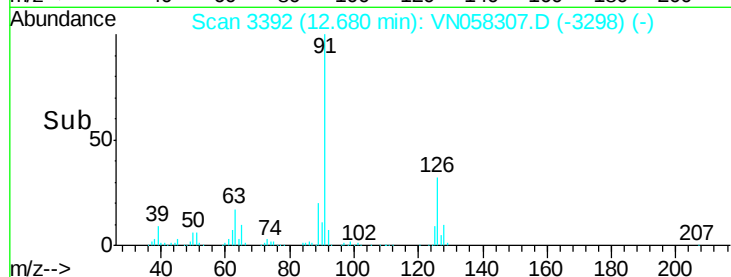
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.251 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058307.D

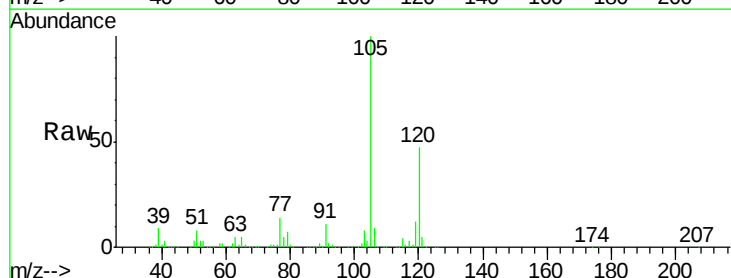
Acq: 23 Sep 2019 21:03

Tgt Ion: 105 Resp: 982616

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

600000

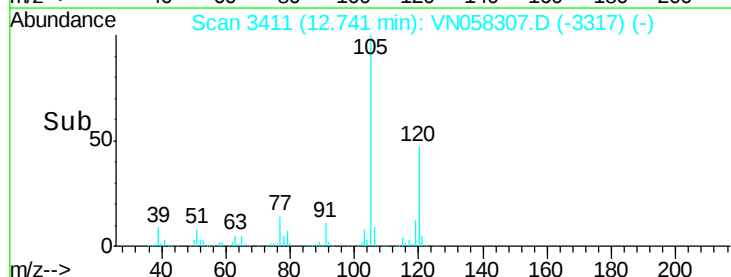
400000

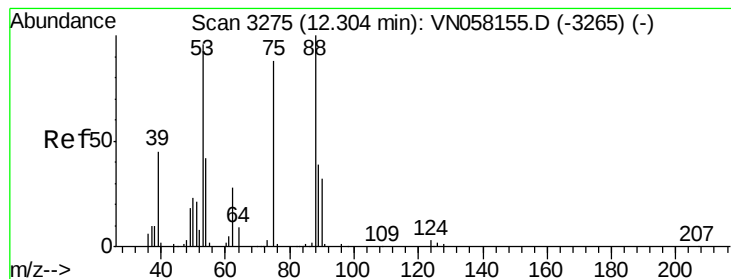
200000

0

12.70 12.74 12.78

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.054 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

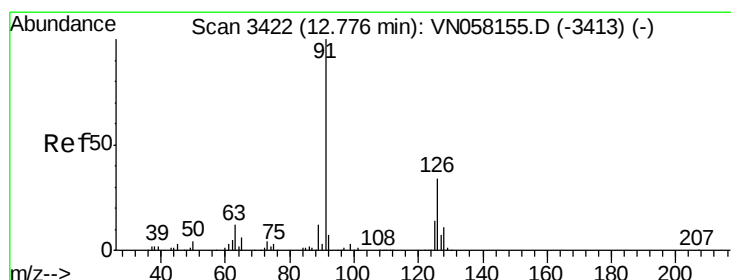
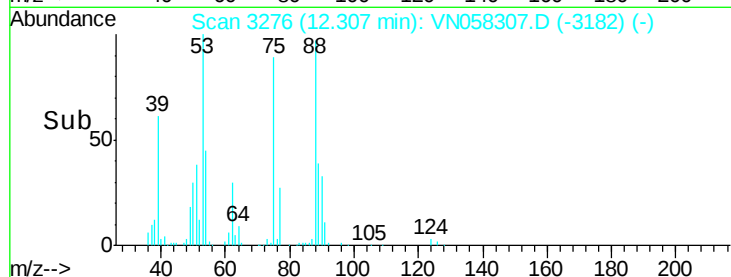
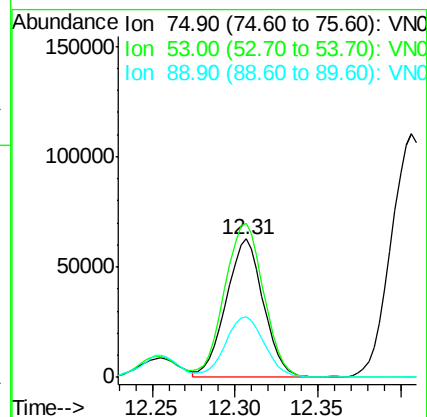
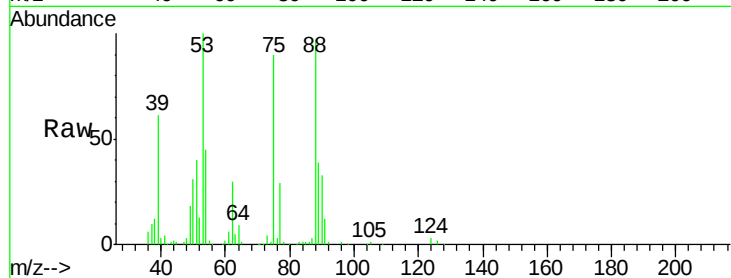
Tot Ion: 75 Resp: 98356

Ion Ratio Lower Upper

75 100

53 115.2 90.1 135.1

89 45.3 36.2 54.2



#82

4-Chlorotoluene

Concen: 53.466 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058307.D

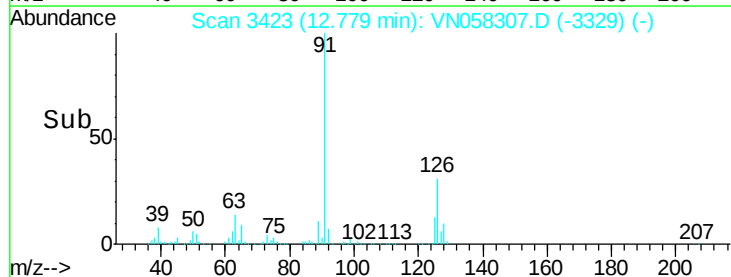
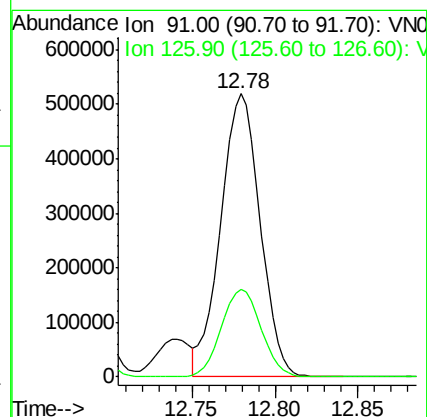
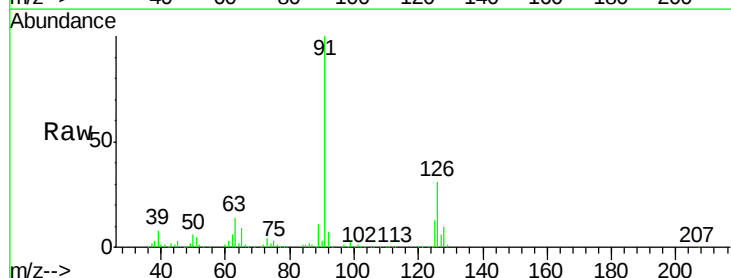
Acq: 23 Sep 2019 21:03

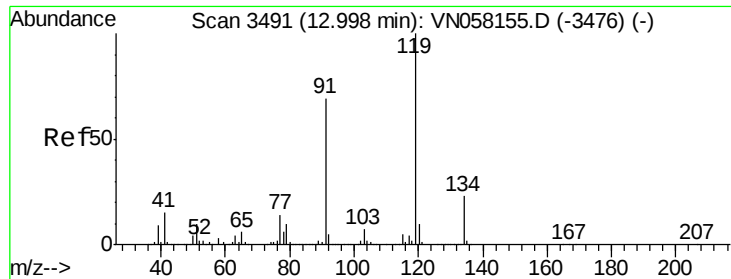
Tgt Ion: 91 Resp: 854921

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1

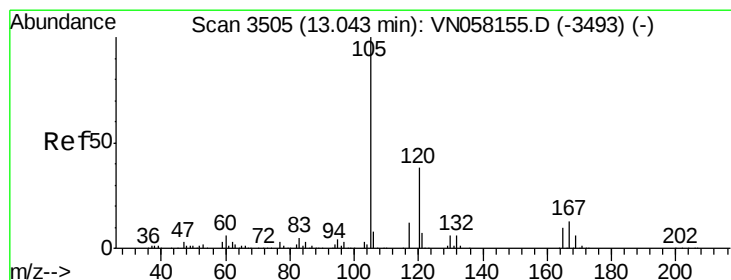
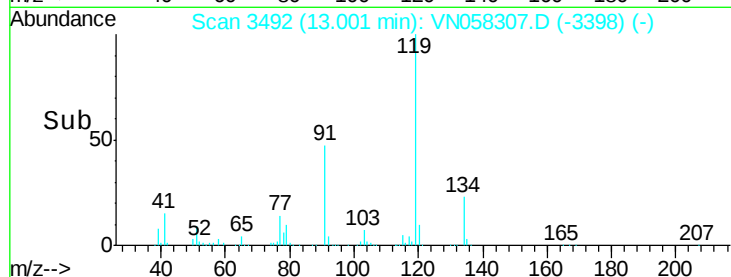
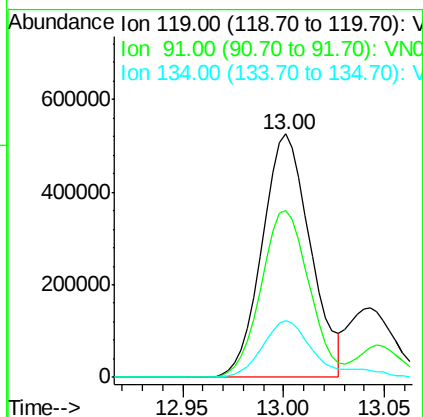
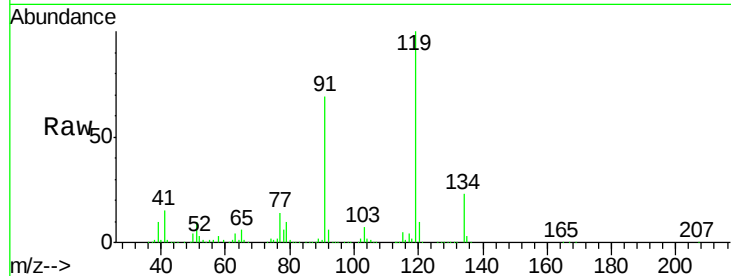




#83
 tert-Butylbenzene
 Concen: 54.142 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

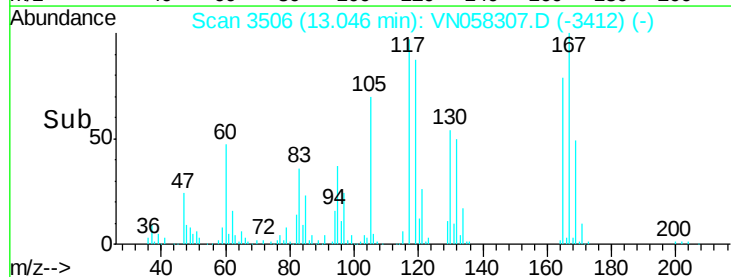
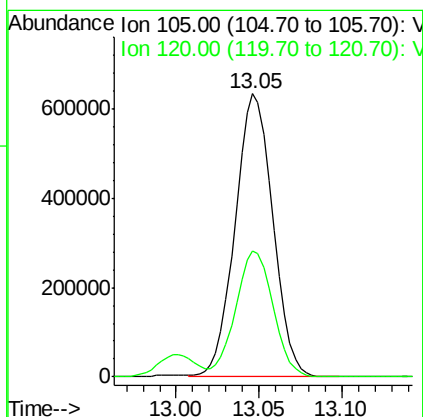
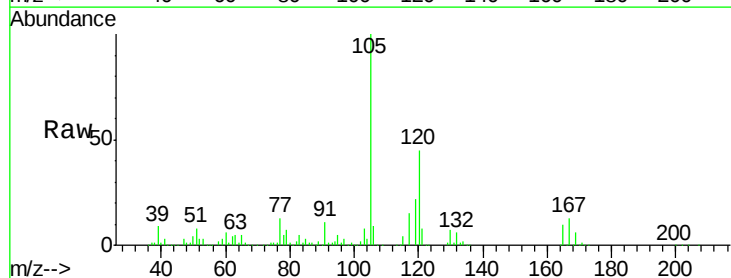
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 874527
 Ion Ratio Lower Upper
 119 100
 91 68.5 33.8 101.3
 134 25.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.419 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion:105 Resp: 998917
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 55.721 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

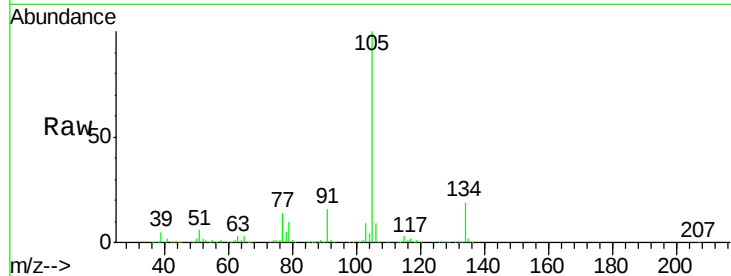
ClientSampleId :

Tot Ion:105 Resp: 1176934

Ion Ratio Lower Upper

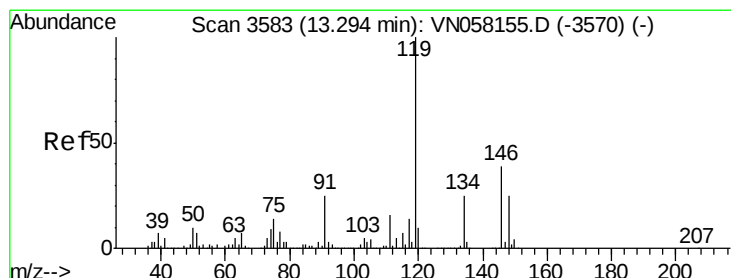
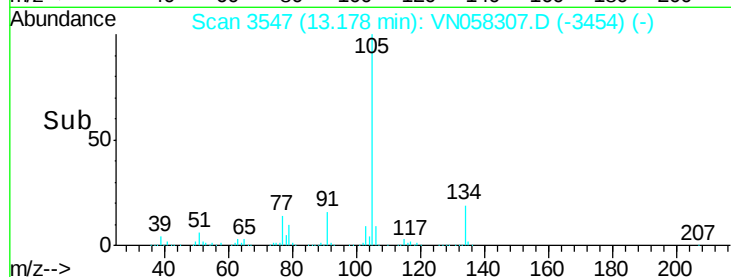
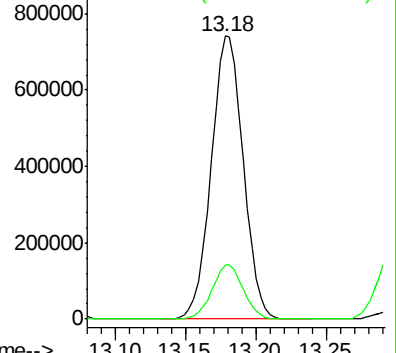
105 100

134 18.8 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.396 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

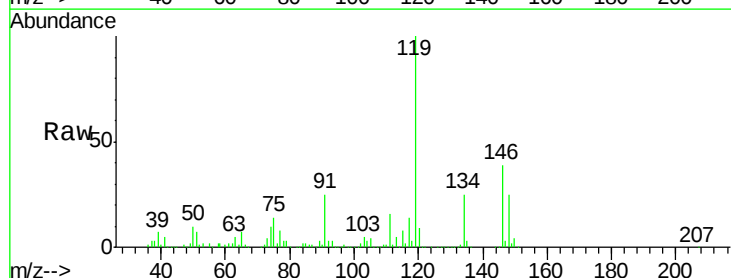
Tgt Ion:119 Resp: 1058993

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

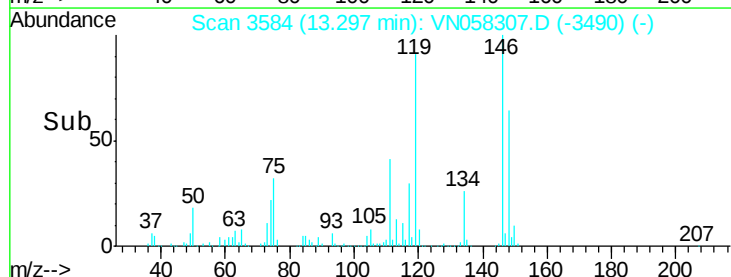
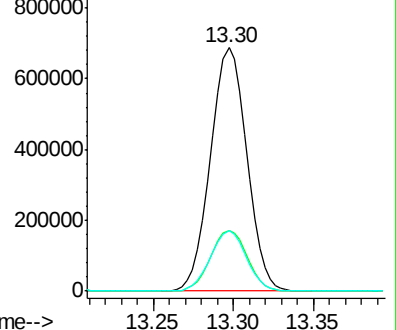
91 24.5 12.3 36.8

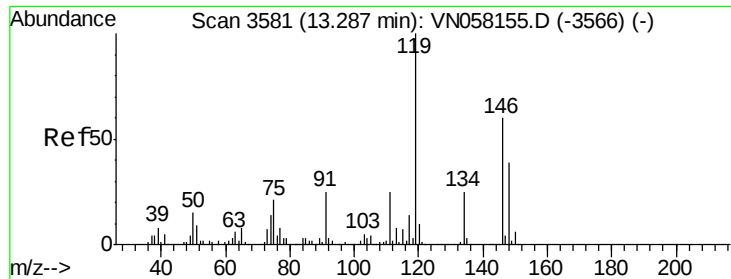


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

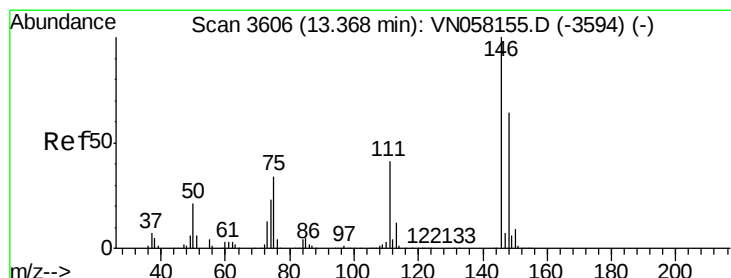
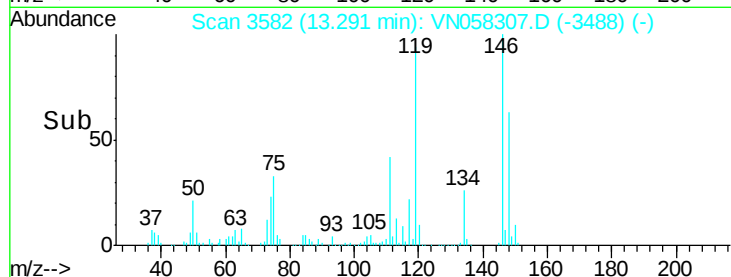
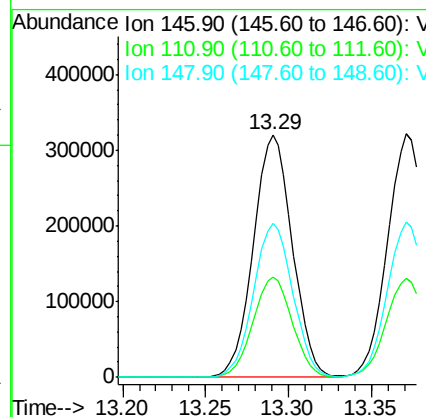
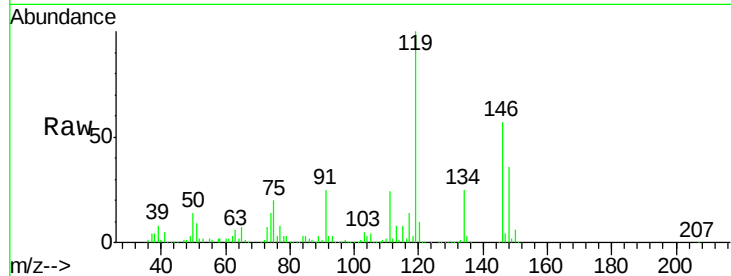




#87
 1,3-Dichlorobenzene
 Concen: 53.117 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

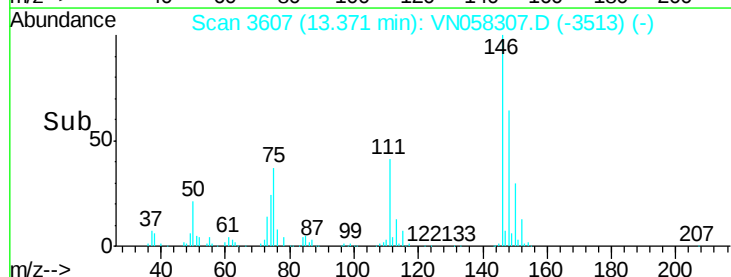
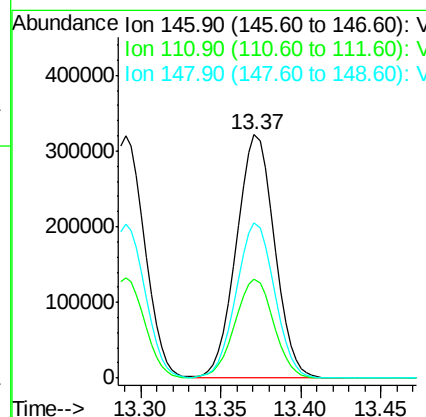
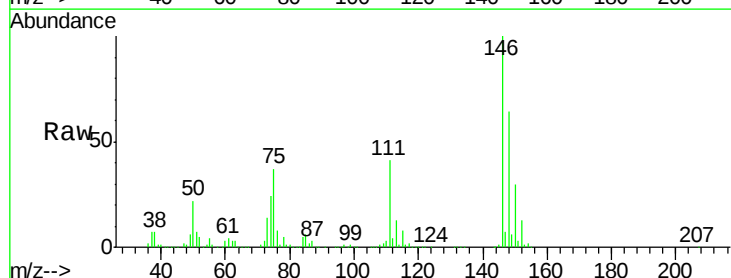
Instrument :
 MSVOA_N
 ClientSampleId :

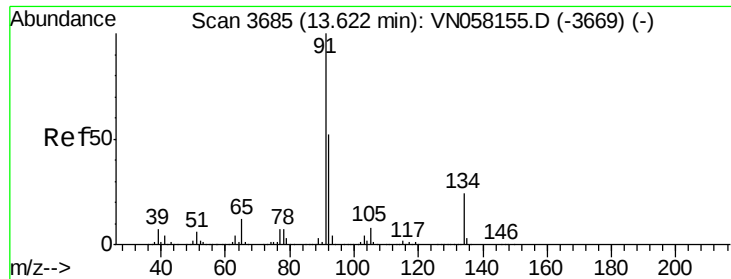
Tot Ion:146 Resp: 522715
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.9 62.8
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.821 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion:146 Resp: 520632
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 64.0 31.9 95.5





#89

n-Butylbenzene

Concen: 53.086 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampled :

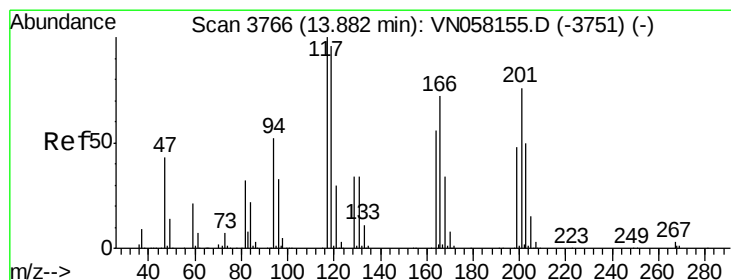
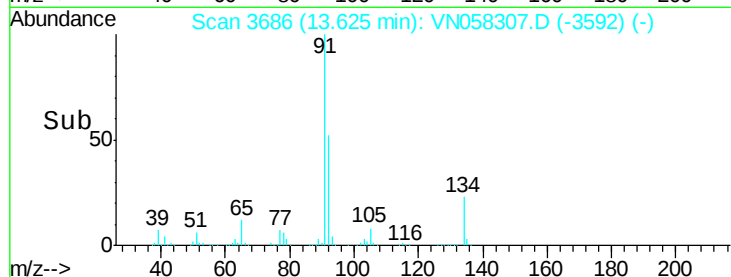
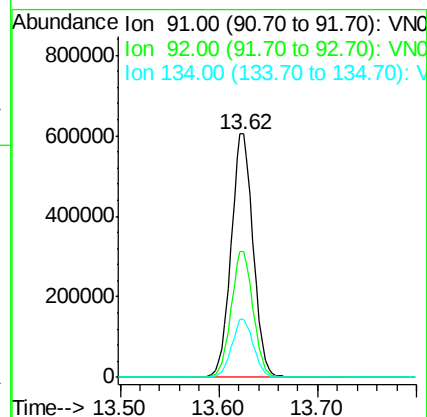
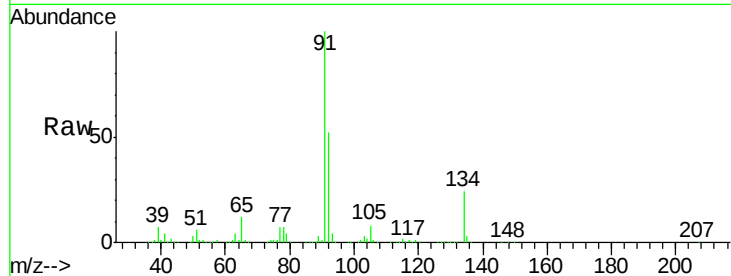
Tot Ion: 91 Resp: 945078

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

134 23.6 11.8 35.4



#90

Hexachloroethane

Concen: 51.001 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058307.D

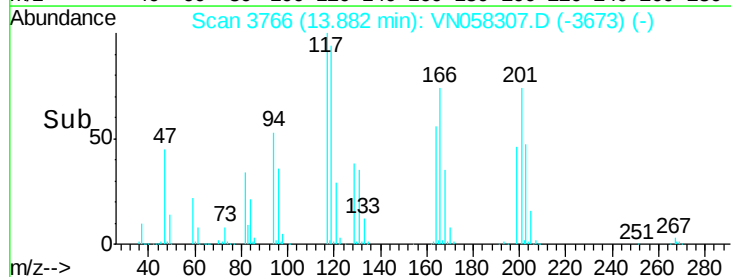
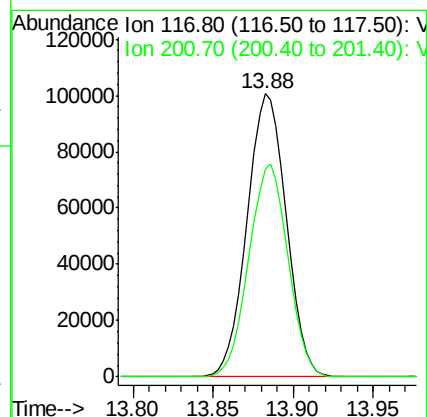
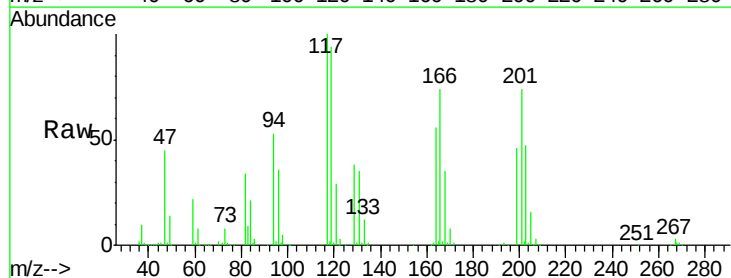
Acq: 23 Sep 2019 21:03

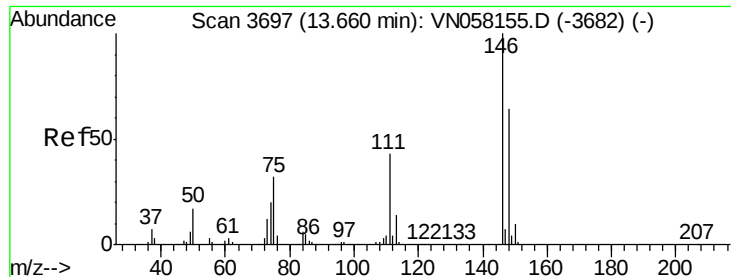
Tgt Ion: 117 Resp: 168134

Ion Ratio Lower Upper

117 100

201 75.2 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 54.172 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampled :

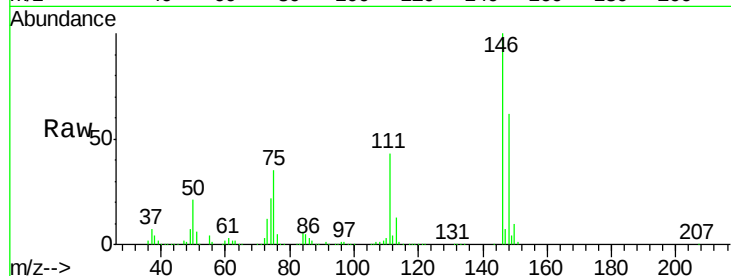
Tot Ion:146 Resp: 534755

Ion Ratio Lower Upper

146 100

111 43.0 21.1 63.1

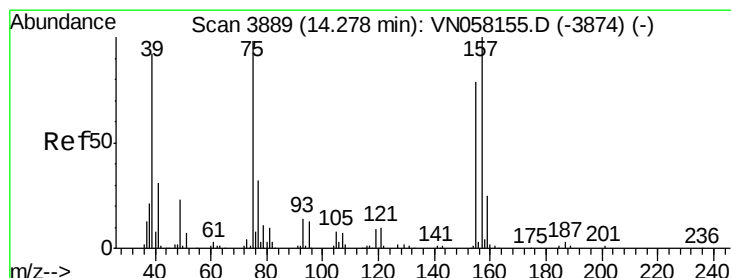
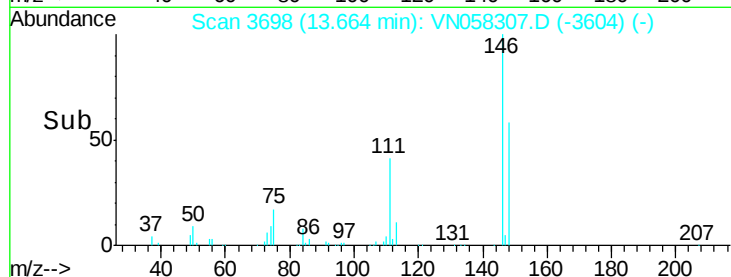
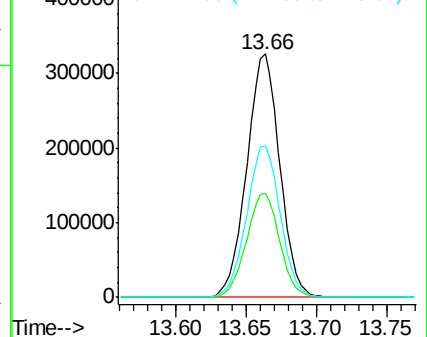
148 63.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.267 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

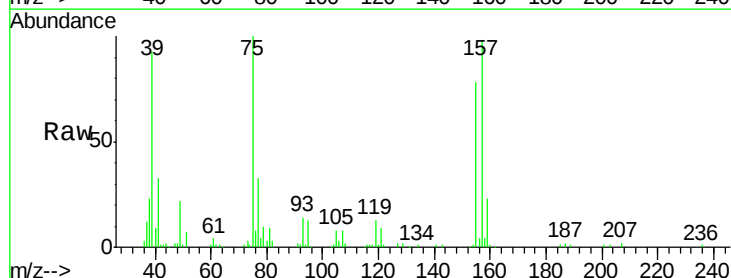
Tgt Ion: 75 Resp: 75242

Ion Ratio Lower Upper

75 100

155 76.2 38.3 114.8

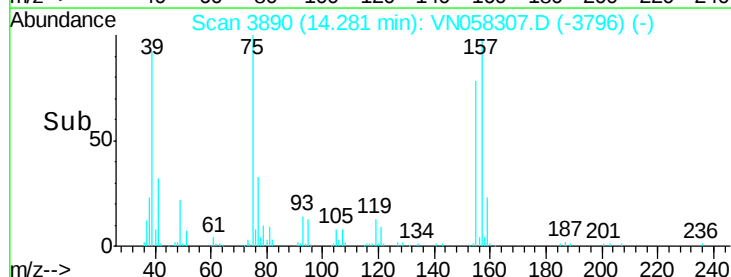
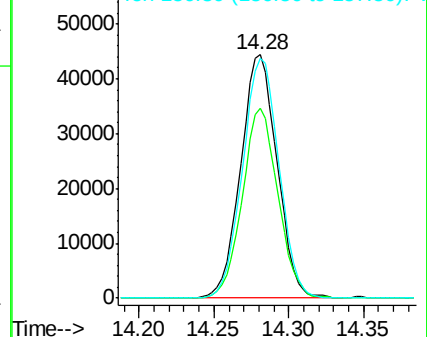
157 98.5 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

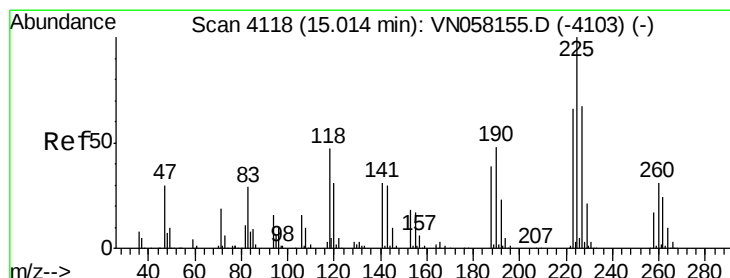
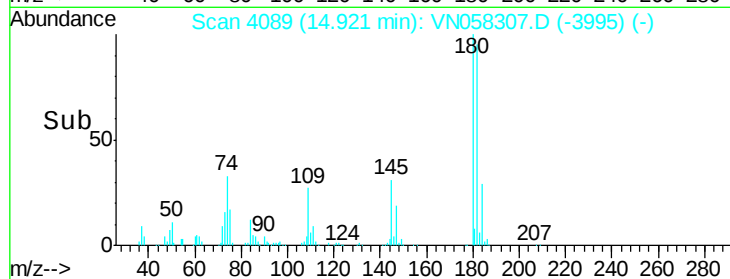
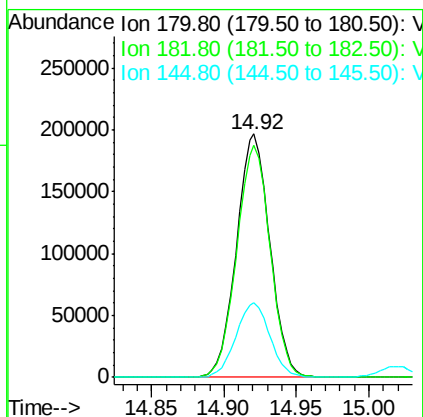
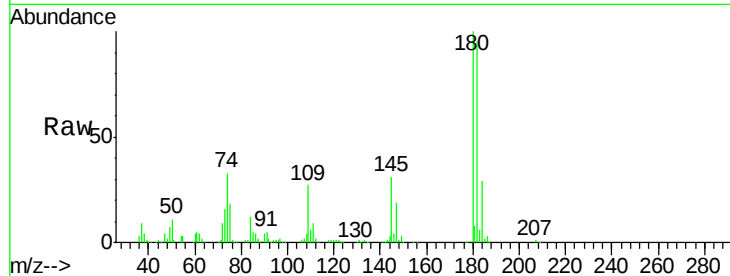




#93
 1,2,4-Trichlorobenzene
 Concen: 49.767 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

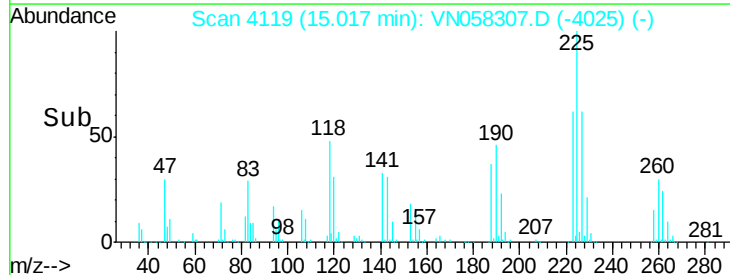
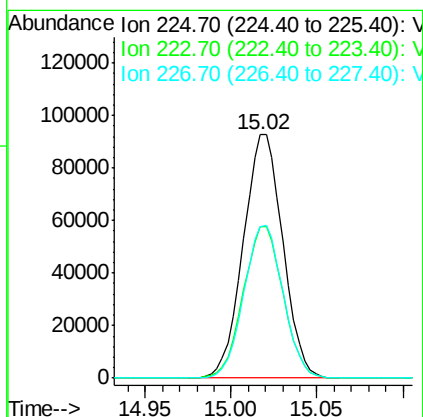
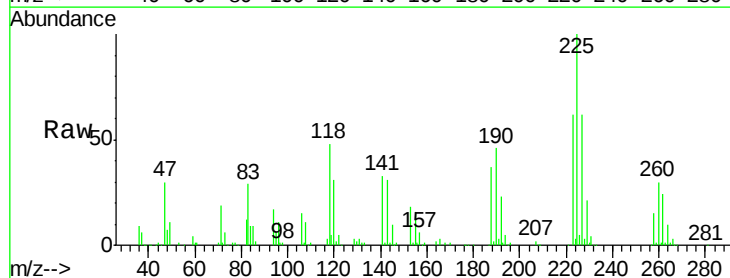
Instrument :
 MSVOA_N
 ClientSampled :

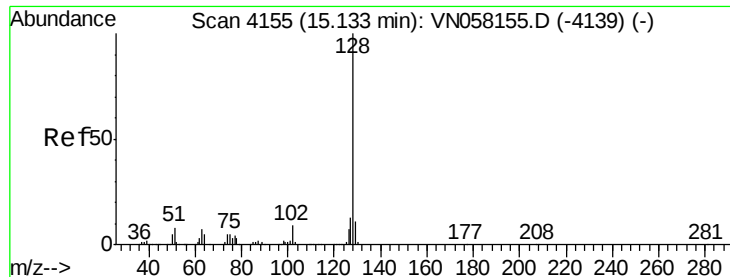
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.3	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 48.557 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058307.D
 Acq: 23 Sep 2019 21:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.6	97.7
227	62.1	33.0	99.0





#95

Naphthalene

Concen: 55.884 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

Instrument :

MSVOA_N

ClientSampleId :

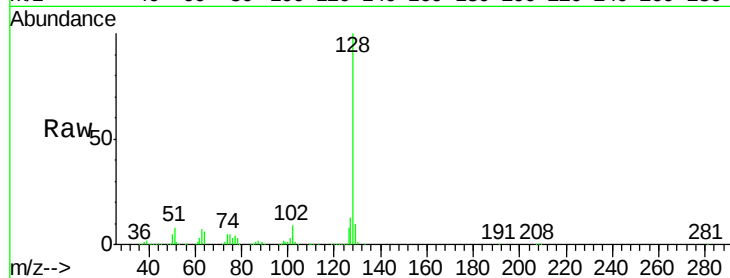
Tot Ion:128 Resp: 913442

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

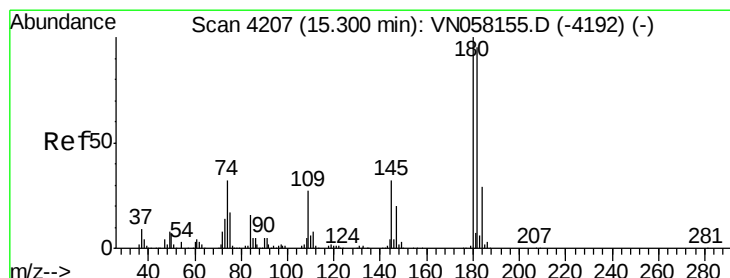
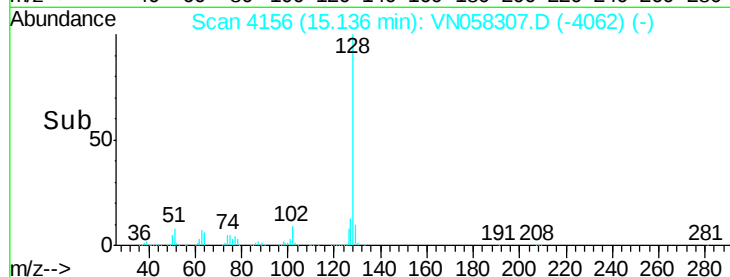
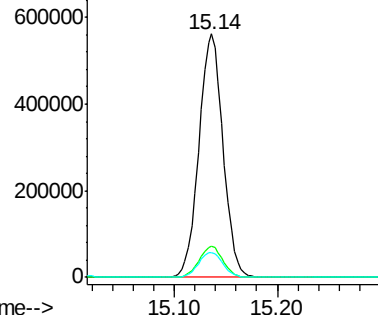
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.779 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058307.D

Acq: 23 Sep 2019 21:03

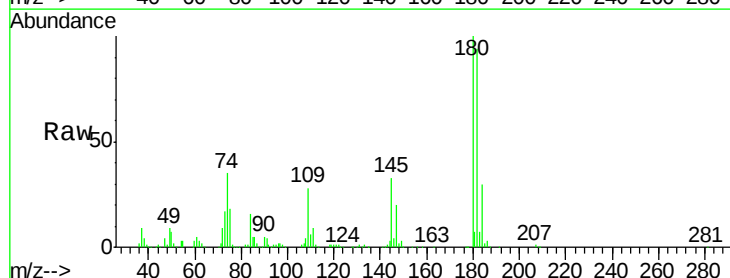
Tgt Ion:180 Resp: 302711

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.2

145 32.2 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

