

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058556.D
 Acq On : 4 Oct 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	281978	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.57	113	203906	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.08	98	798804	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.41	95	297569	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207514	48.336	ug/l	100
3) Chloromethane	2.04	50	256305	54.303	ug/l	99
4) Vinyl Chloride	2.17	62	230601	49.874	ug/l	100
5) Bromomethane	2.54	94	112860	45.955	ug/l	98
6) Chloroethane	2.68	64	152672	55.109	ug/l	99
7) Trichlorofluoromethane	2.99	101	339546	60.854	ug/l	98
8) Diethyl Ether	3.39	74	122433	50.857	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	189253	49.944	ug/l	99
10) Methyl Iodide	3.93	142	148073	35.241	ug/l	99
11) Tert butyl alcohol	4.76	59	201062	316.317	ug/l	98
12) 1,1-Dichloroethene	3.72	96	180825	48.957	ug/l	98
13) Acrolein	3.58	56	57772	285.760	ug/l	99
14) Allyl chloride	4.30	41	354815	52.787	ug/l	97
15) Acrylonitrile	4.96	53	518177	279.715	ug/l	99
16) Acetone	3.79	43	446222	228.777	ug/l	98
17) Carbon Disulfide	4.03	76	475839	48.873	ug/l	98
18) Methyl Acetate	4.30	43	267378	54.504	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	686819	52.701	ug/l	98
20) Methylene Chloride	4.53	84	224928	49.971	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	199925	48.675	ug/l	99
22) Diisopropyl ether	5.93	45	764752	52.870	ug/l	99
23) Vinyl Acetate	5.87	43	3108189	284.985	ug/l	99
24) 1,1-Dichloroethane	5.82	63	426457	52.387	ug/l	99
25) 2-Butanone	6.81	43	702346	262.272	ug/l	100
26) 2,2-Dichloropropane	6.80	77	334260	49.946	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	241483	50.304	ug/l	100
28) Bromochloromethane	7.18	49	173496	53.317	ug/l	97
29) Tetrahydrofuran	7.19	42	460761	271.090	ug/l	100
30) Chloroform	7.35	83	429279	52.039	ug/l	98
31) Cyclohexane	7.63	56	363116	45.856	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	369946	54.612	ug/l	100
36) 1,1-Dichloropropene	7.78	75	314543	49.844	ug/l	99
37) Ethyl Acetate	6.91	43	302614	56.561	ug/l	100
38) Carbon Tetrachloride	7.76	117	311644	54.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352513	47.835	ug/l	100
40) Benzene	8.02	78	920857	50.766	ug/l	100
41) Methacrylonitrile	7.15	41	137680	55.936	ug/l	95
42) 1,2-Dichloroethane	8.11	62	361575	51.235	ug/l	99
43) Isopropyl Acetate	8.15	43	527217	52.402	ug/l #	90
44) Trichloroethene	8.82	130	232415	51.890	ug/l	99
45) 1,2-Dichloropropane	9.11	63	256162	52.655	ug/l	100
46) Dibromomethane	9.20	93	163328	53.014	ug/l	98
47) Bromodichloromethane	9.39	83	331913	56.861	ug/l	99
48) Methyl methacrylate	9.19	41	241908	52.804	ug/l	100
49) 1,4-Dioxane	9.19	88	86018	1404.217	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1545946	299.140	ug/l	99
52) Toluene	10.15	92	584458	51.190	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	369876	58.217	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396599	56.235	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	232640	55.959	ug/l	98
56) Ethyl methacrylate	10.43	69	355691	56.384	ug/l	99
57) 1,3-Dichloropropane	10.71	76	405265	54.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	873063	347.086	ug/l	99
59) 2-Hexanone	10.75	43	1093099	290.482	ug/l	100
60) Dibromochloromethane	10.90	129	236336	54.952	ug/l	100
61) 1,2-Dibromoethane	11.00	107	231869	54.584	ug/l	100
64) Tetrachloroethene	10.63	164	210899	53.956	ug/l	99
65) Chlorobenzene	11.43	112	620412	50.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230664	55.982	ug/l	100
67) Ethyl Benzene	11.51	91	1141495	51.533	ug/l	99
68) m/p-Xylenes	11.62	106	841003	100.911	ug/l	99
69) o-Xylene	11.95	106	401550	50.052	ug/l	98
70) Styrene	11.97	104	689847	52.929	ug/l	99
71) Bromoform	12.13	173	150246	52.727	ug/l #	99
73) Isopropylbenzene	12.25	105	1108129	49.334	ug/l	99
74) N-amyl acetate	12.07	43	479537	53.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	340485	51.262	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	433149	78.024	ug/l #	100
77) Bromobenzene	12.53	156	257790	48.946	ug/l	96
78) n-propylbenzene	12.60	91	1309778	51.758	ug/l	100
79) 2-Chlorotoluene	12.68	91	769787	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	953070	50.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98929	54.122	ug/l	97
82) 4-Chlorotoluene	12.78	91	807527	50.666	ug/l	99
83) tert-Butylbenzene	13.00	119	792510	49.949	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	946156	50.224	ug/l	99
85) sec-Butylbenzene	13.18	105	1088739	52.135	ug/l	100
86) p-Isopropyltoluene	13.29	119	969735	52.754	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	476450	49.889	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	475181	50.010	ug/l	100
89) n-Butylbenzene	13.62	91	903404	54.254	ug/l	100
90) Hexachloroethane	13.88	117	157181	56.911	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	467932	50.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	64591	55.145	ug/l	97

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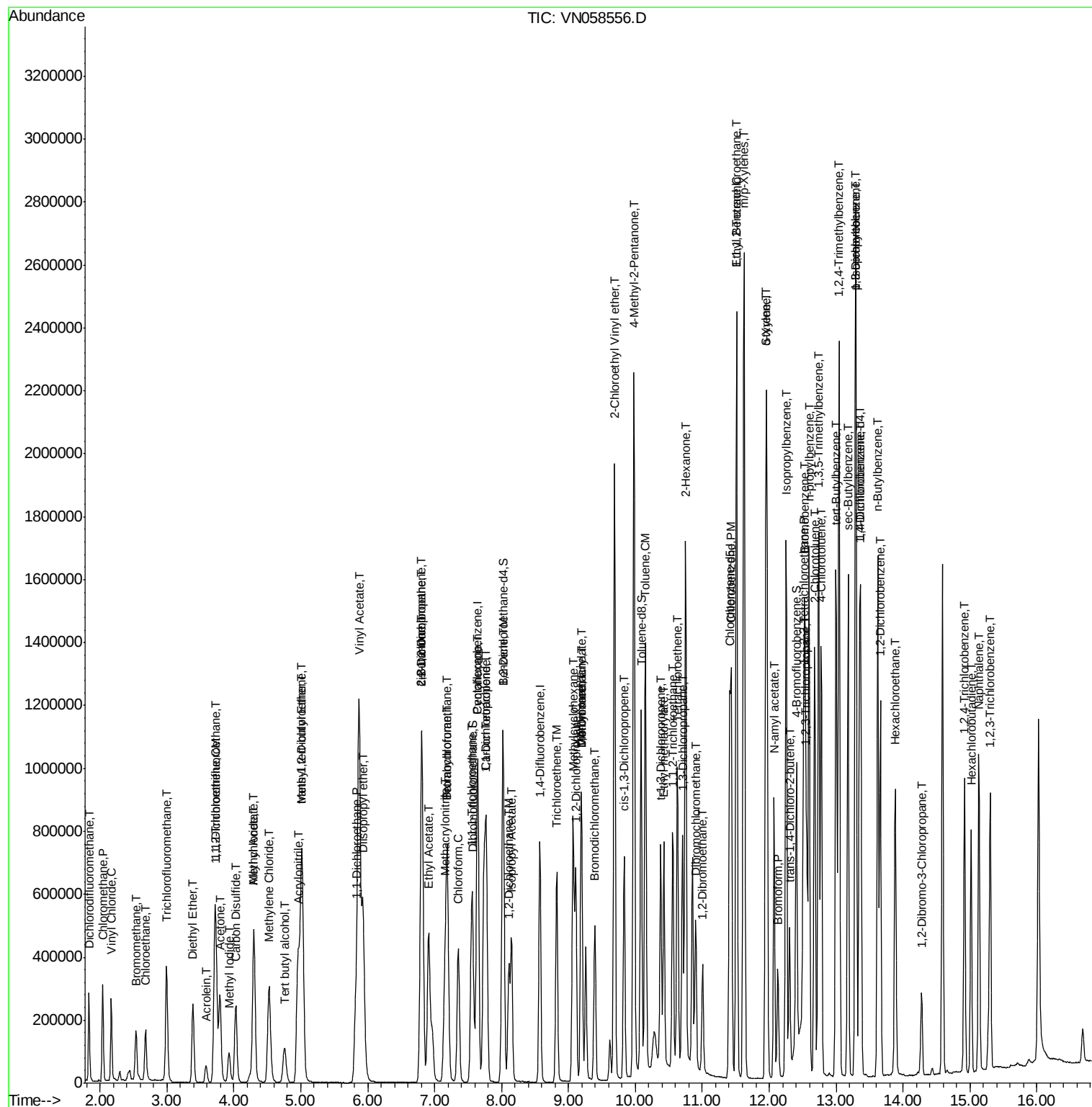
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	282122	55.638	ug/l	99
94) Hexachlorobutadiene	15.02	225	135864	52.130	ug/l	99
95) Naphthalene	15.13	128	776017	52.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	264973	52.123	ug/l	98

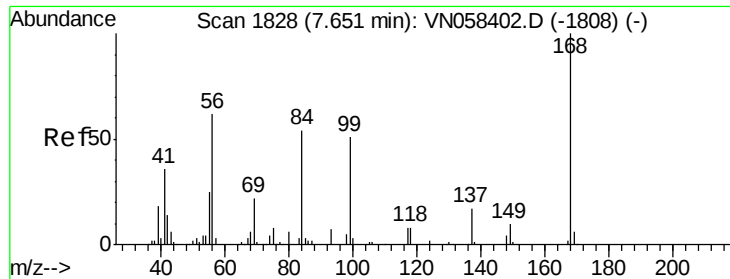
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

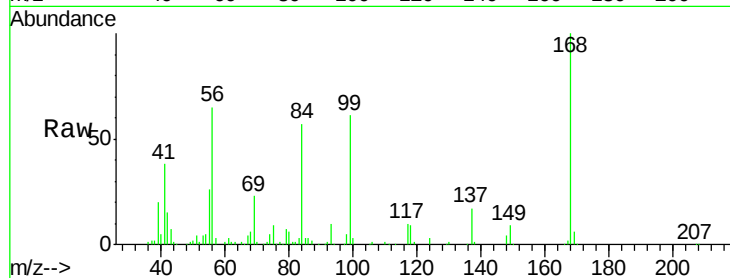
ClientSampled :

Tot Ion:168 Resp: 391538

Ion Ratio Lower Upper

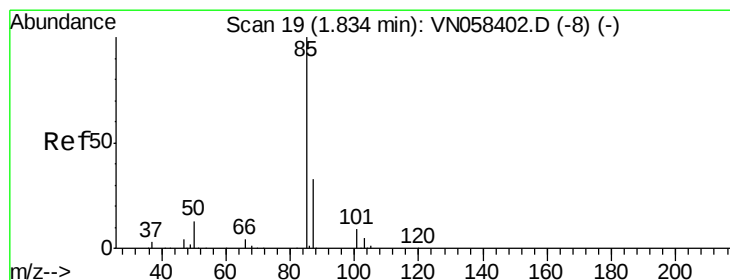
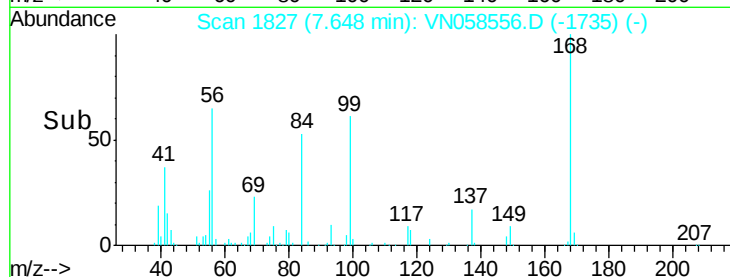
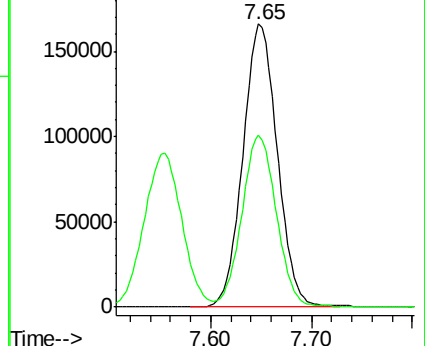
168 100

99 60.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.336 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058556.D

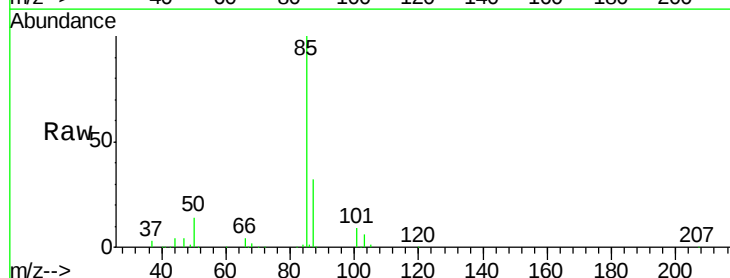
Acq: 4 Oct 2019 20:56

Tgt Ion: 85 Resp: 207514

Ion Ratio Lower Upper

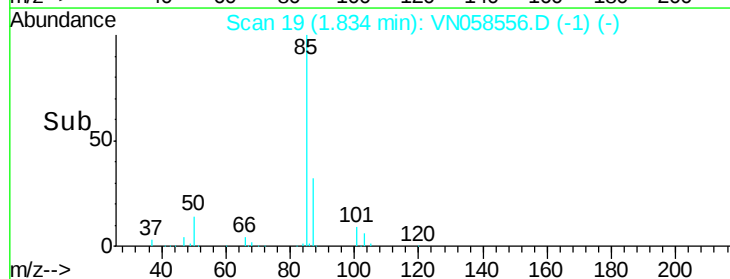
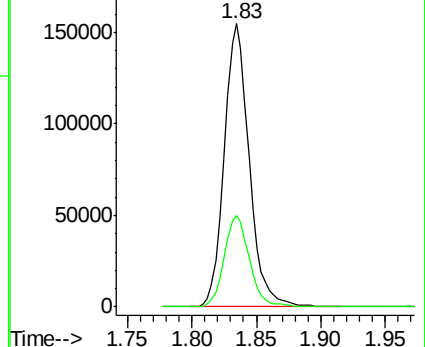
85 100

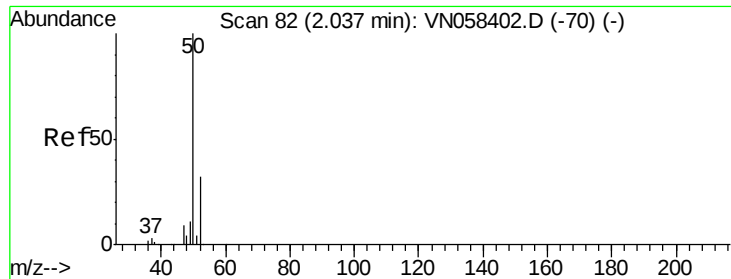
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.303 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

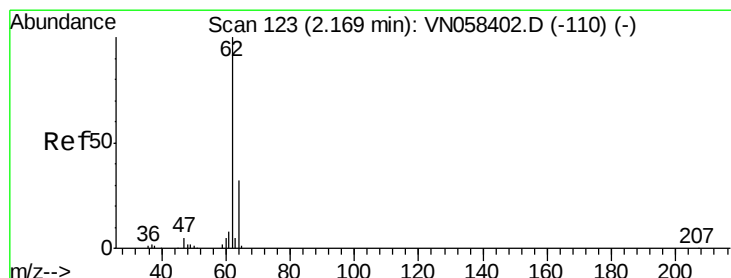
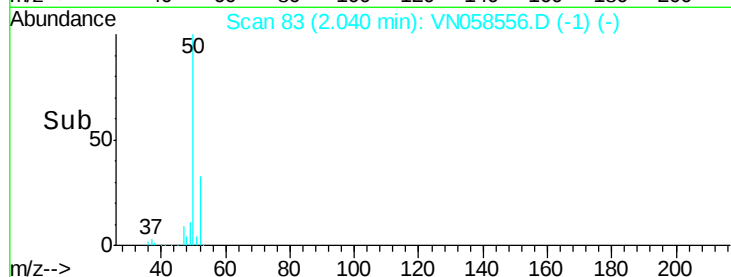
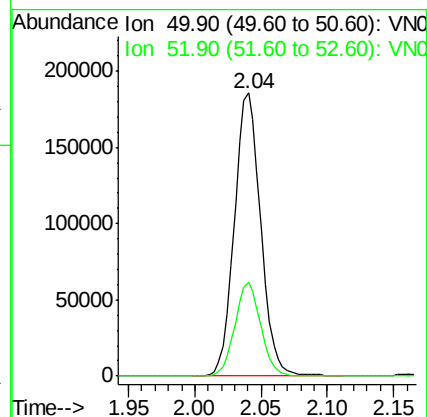
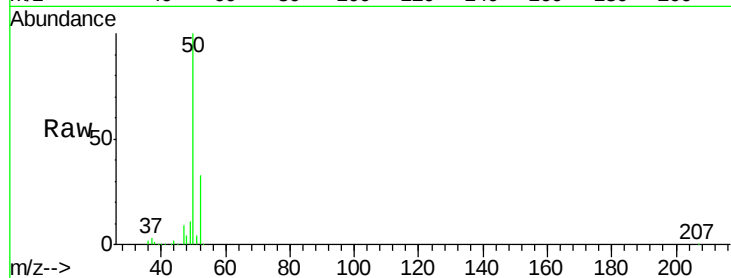
ClientSampleId :

Tot Ion: 50 Resp: 256305

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9



#4

Vinyl Chloride

Concen: 49.874 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058556.D

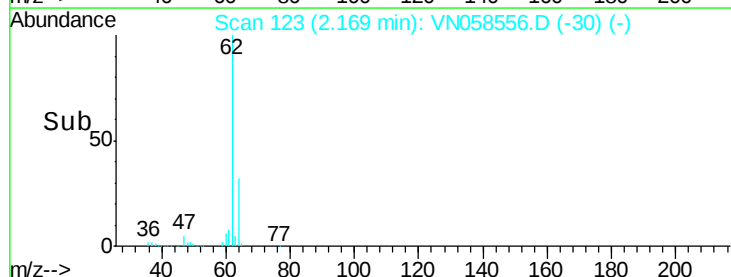
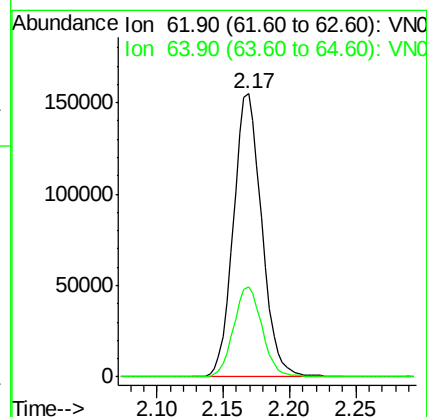
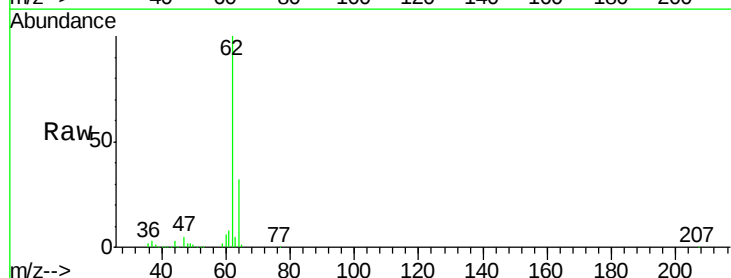
Acq: 4 Oct 2019 20:56

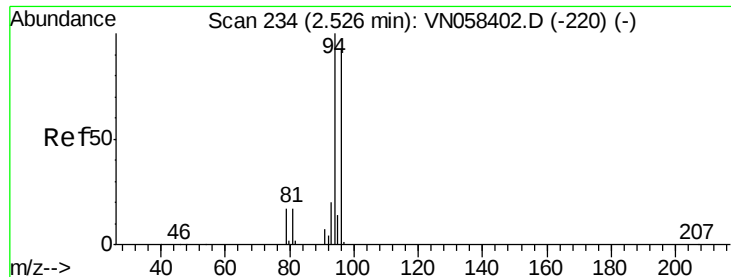
Tgt Ion: 62 Resp: 230601

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.955 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

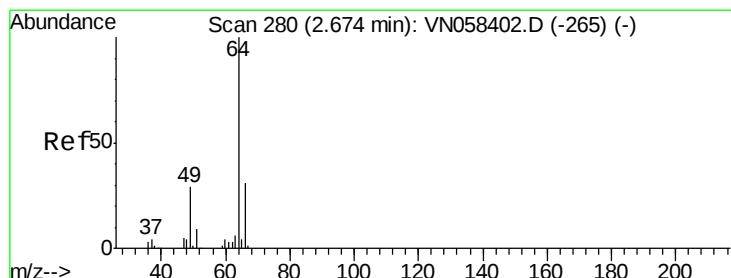
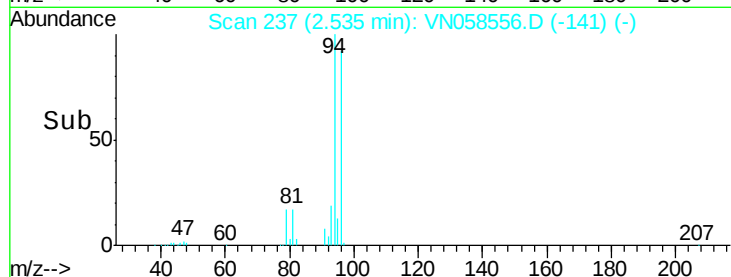
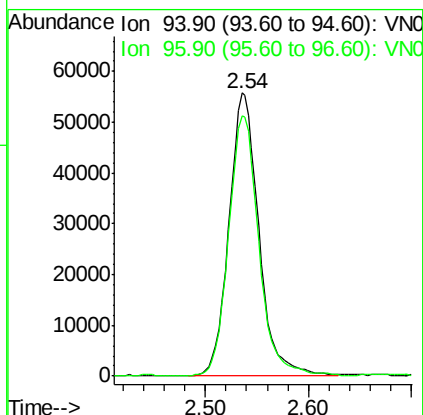
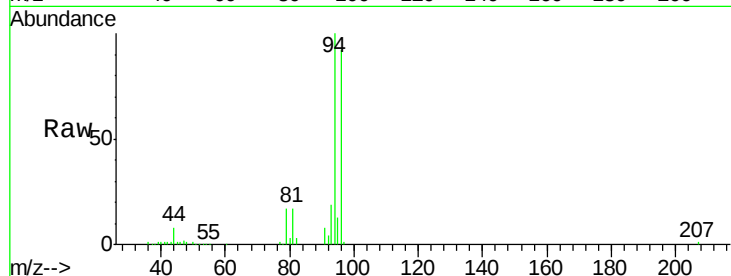
ClientSampleId :

Tot Ion: 94 Resp: 112860

Ion Ratio Lower Upper

94 100

96 91.6 74.8 112.2



#6

Chloroethane

Concen: 55.109 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058556.D

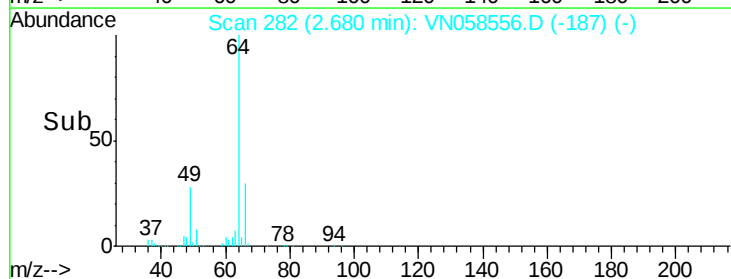
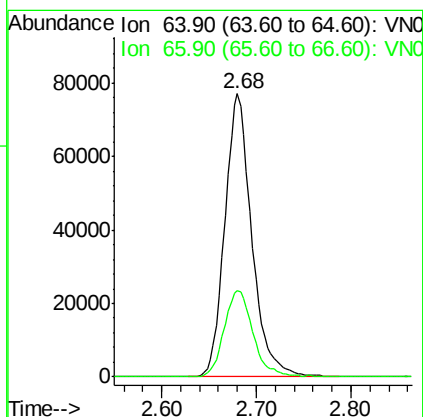
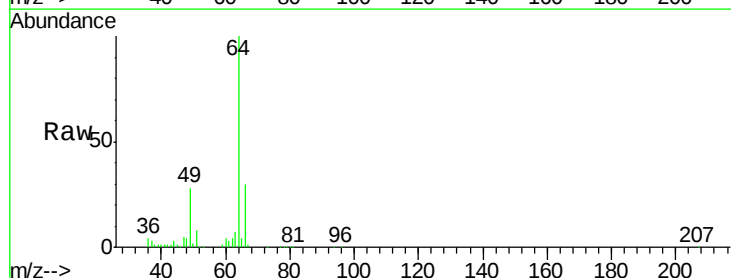
Acq: 4 Oct 2019 20:56

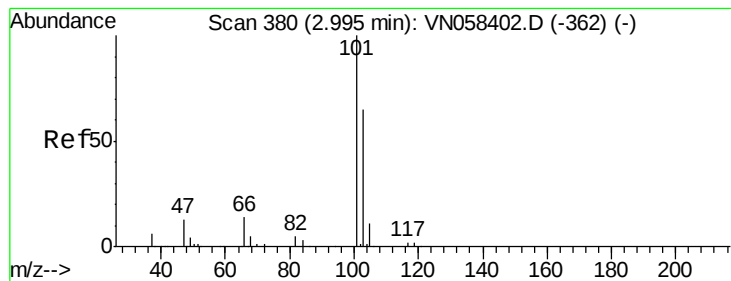
Tgt Ion: 64 Resp: 152672

Ion Ratio Lower Upper

64 100

66 30.2 24.4 36.6



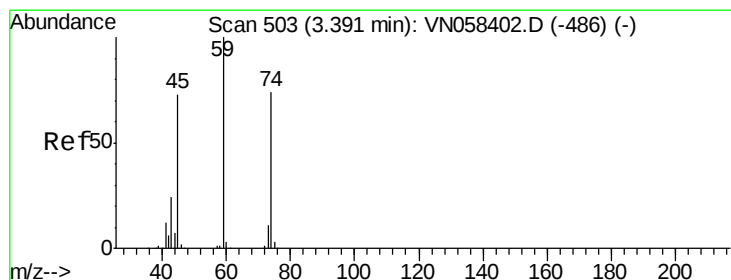
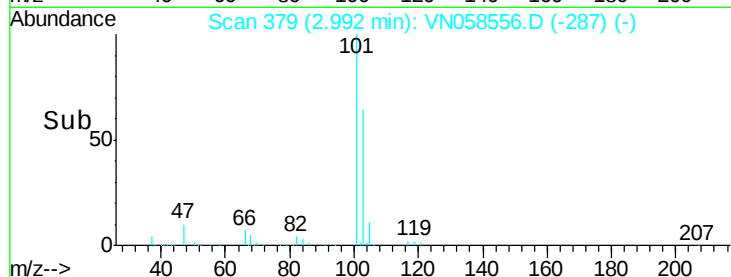
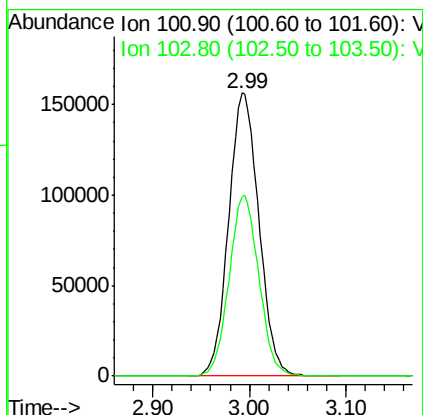
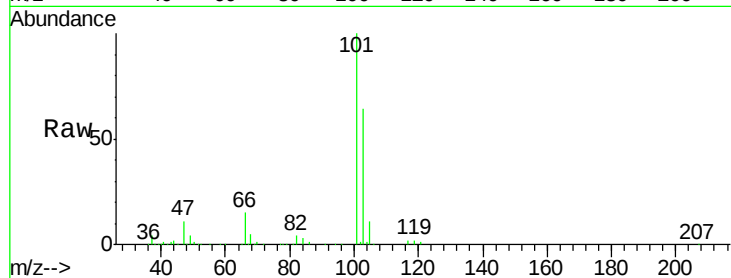


#7

Trichlorofluoromethane
 Concen: 60.854 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampled :

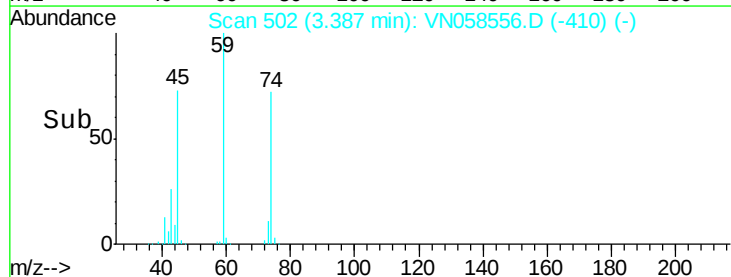
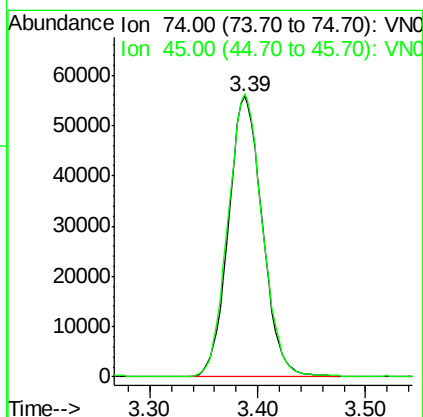
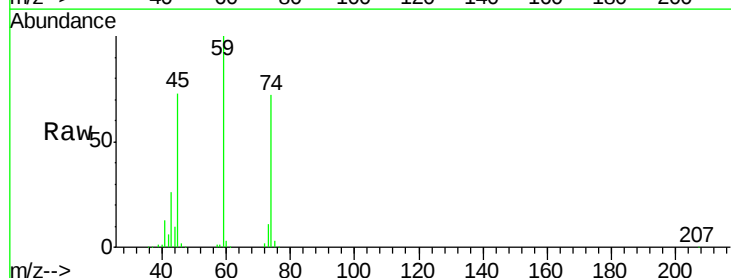
Tot Ion:101 Resp: 339546
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.3 78.5

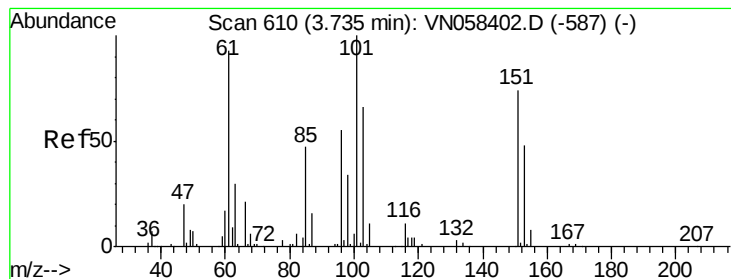


#8

Diethyl Ether
 Concen: 50.857 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 74 Resp: 122433
 Ion Ratio Lower Upper
 74 100
 45 102.3 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.944 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

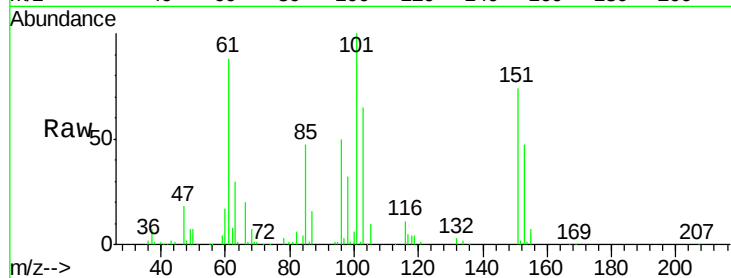
Tot Ion:101 Resp: 189253

Ion Ratio Lower Upper

101 100

85 46.7 36.7 55.1

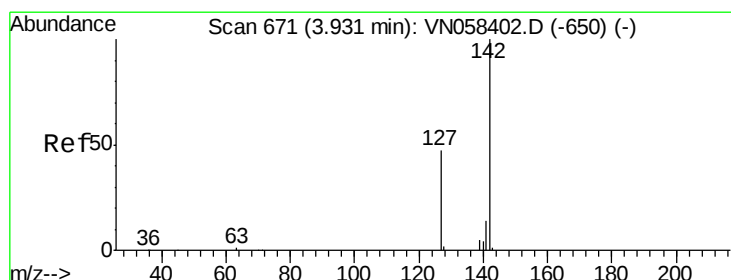
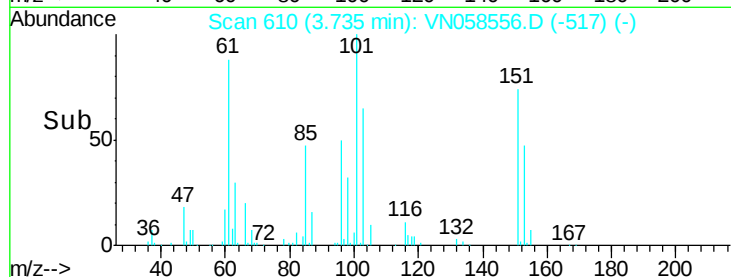
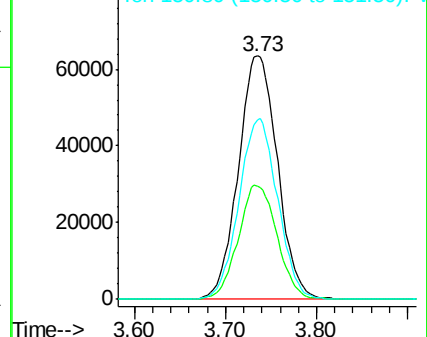
151 73.6 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.241 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

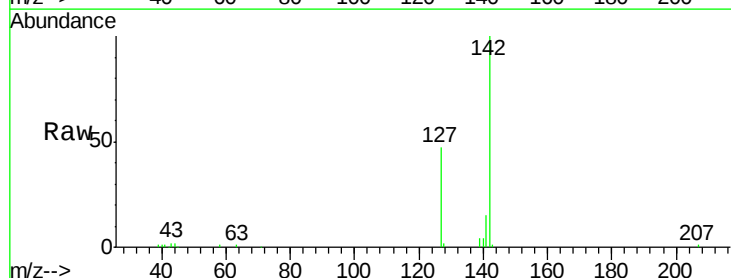
Tgt Ion:142 Resp: 148073

Ion Ratio Lower Upper

142 100

127 46.7 37.2 55.8

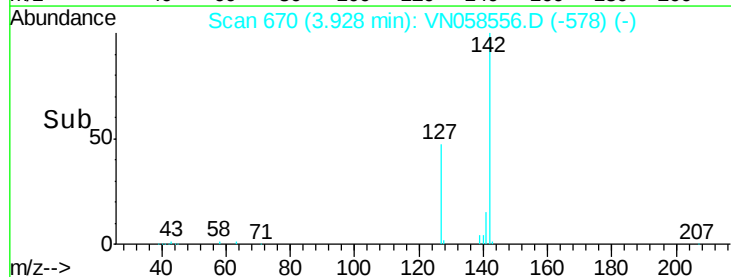
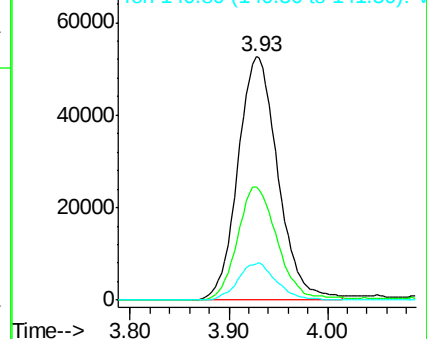
141 14.7 11.3 16.9

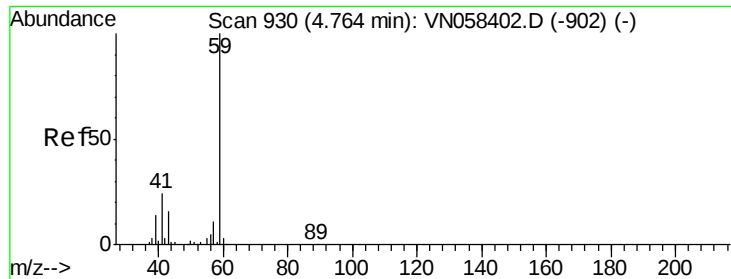


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



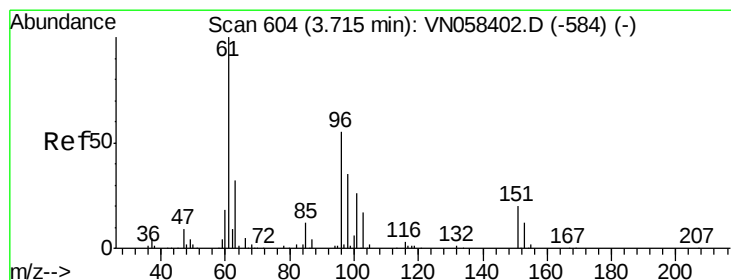
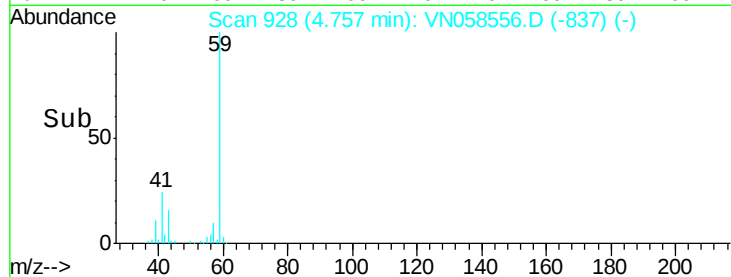
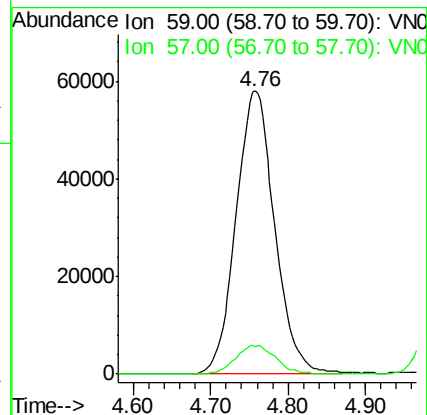
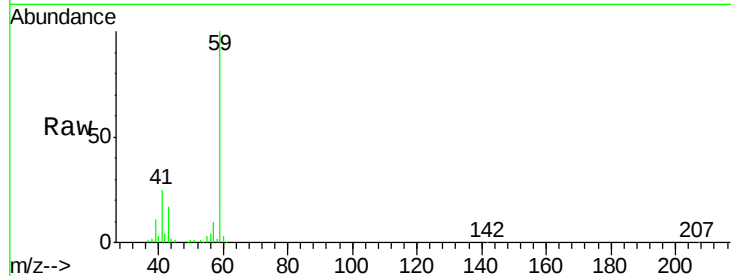


#11

Tert butyl alcohol
 Concen: 316.317 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampled :

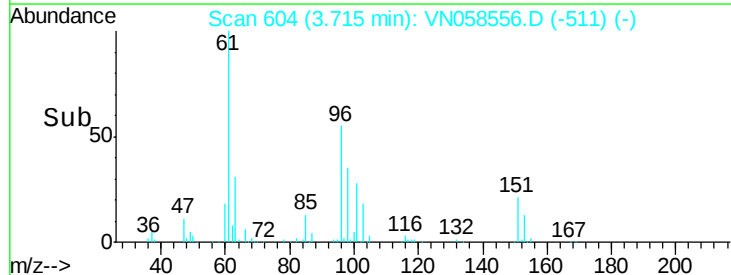
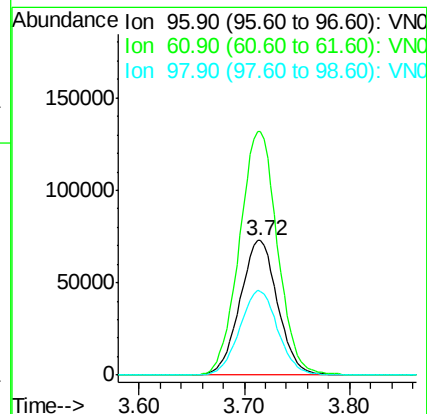
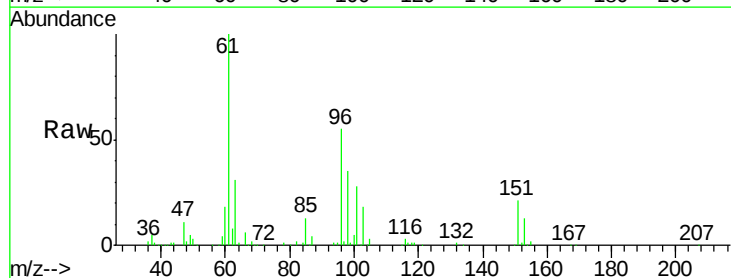
Tot Ion: 59 Resp: 201062
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.4

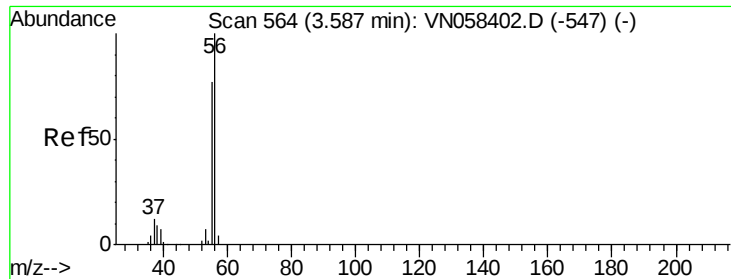


#12

1,1-Dichloroethene
 Concen: 48.957 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 96 Resp: 180825
 Ion Ratio Lower Upper
 96 100
 61 181.2 146.7 220.1
 98 62.7 51.3 76.9





#13

Acrolein

Concen: 285.760 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

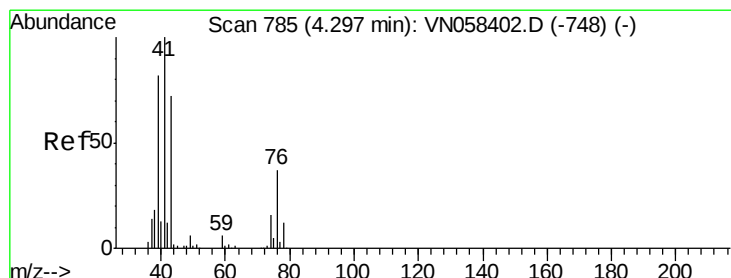
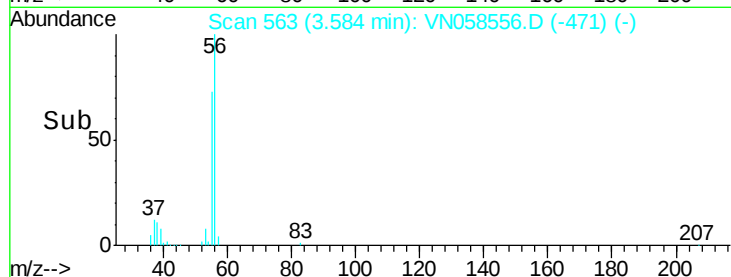
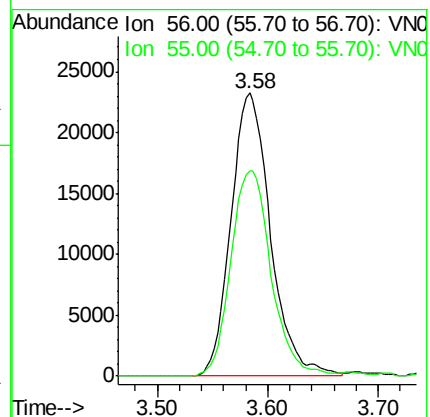
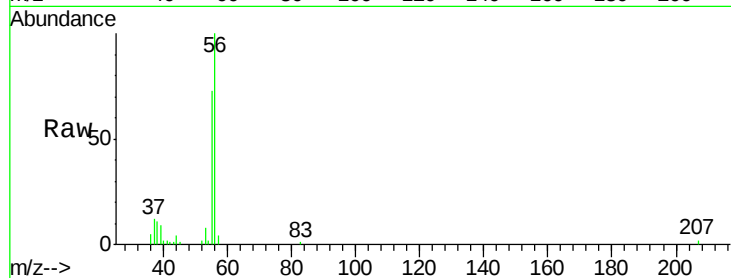
ClientSampled :

Tot Ion: 56 Resp: 57772

Ion Ratio Lower Upper

56 100

55 73.8 58.3 87.5



#14

Allyl chloride

Concen: 52.787 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

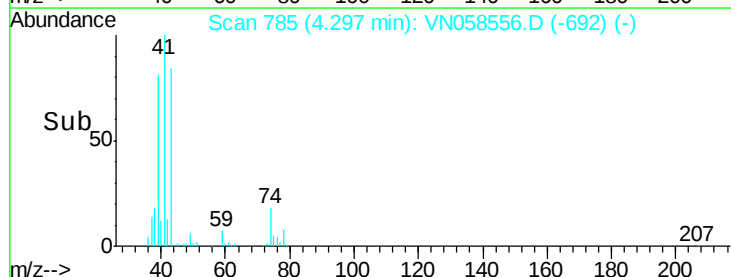
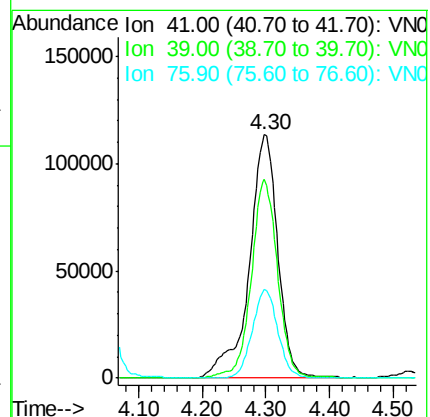
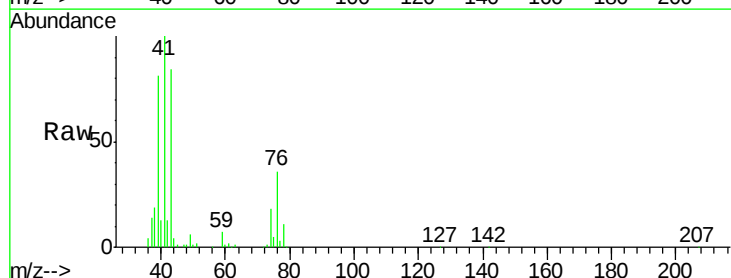
Tgt Ion: 41 Resp: 354815

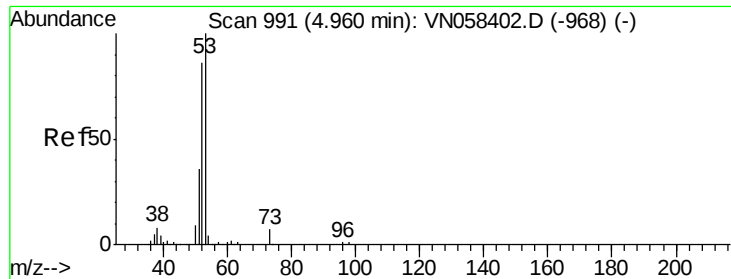
Ion Ratio Lower Upper

41 100

39 75.1 62.3 93.5

76 32.0 26.9 40.3





#15

Acrylonitrile

Concen: 279.715 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

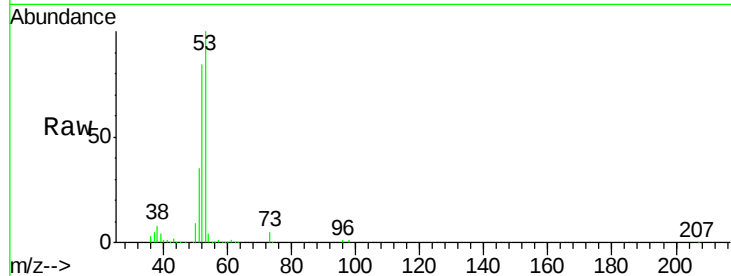
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 53 Resp: 518177

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.6	100.0
51	37.2	29.8	44.8

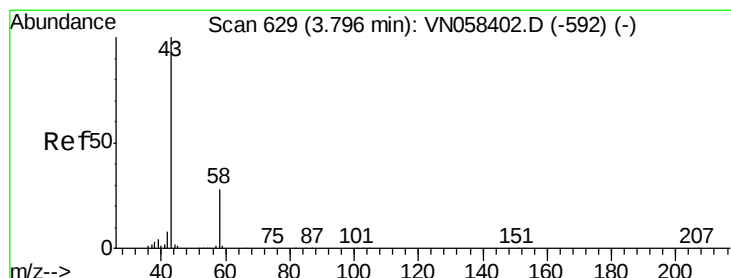
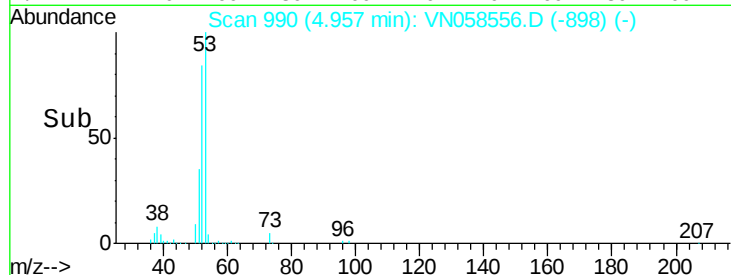


Abundance

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: 228.777 ug/l

RT: 3.79 min Scan# 628

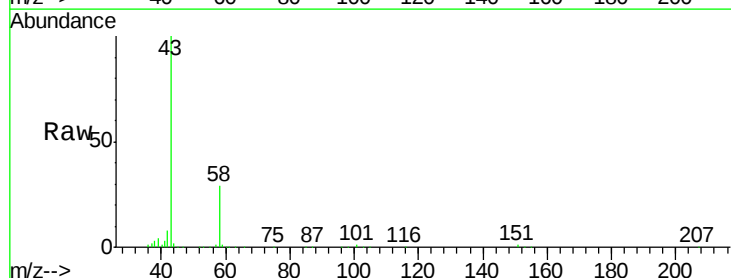
Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion: 43 Resp: 446222

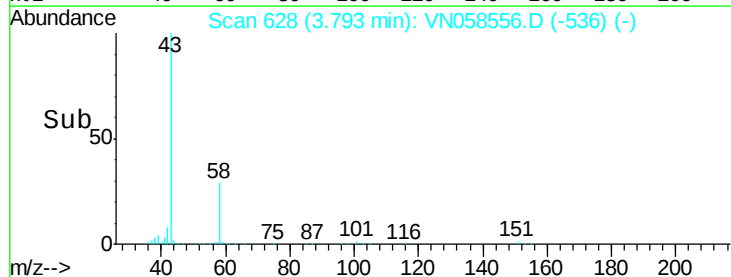
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6

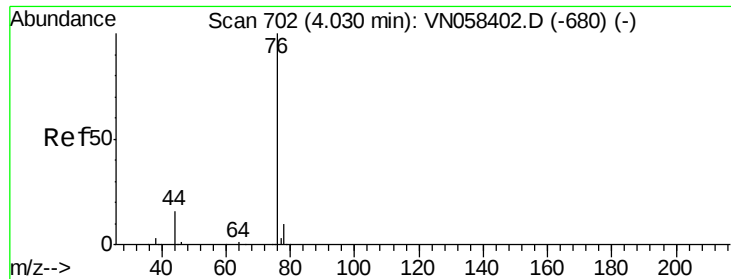


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 48.873 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

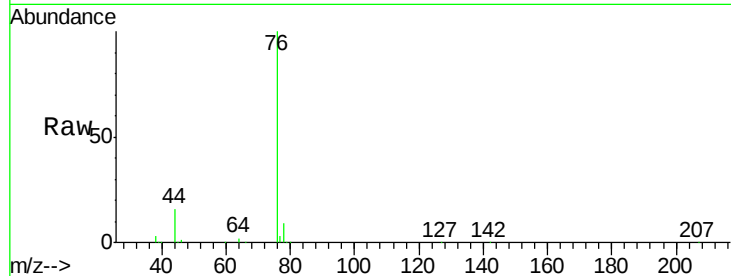
ClientSampleId :

Tot Ion: 76 Resp: 475839

Ion Ratio Lower Upper

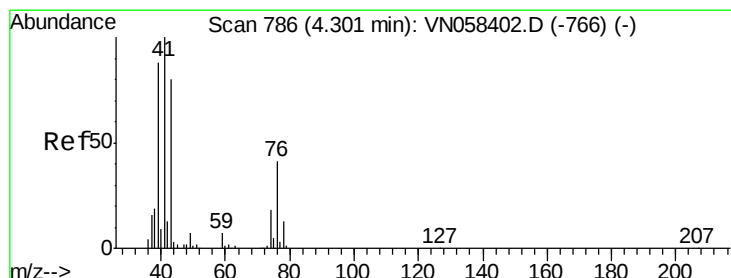
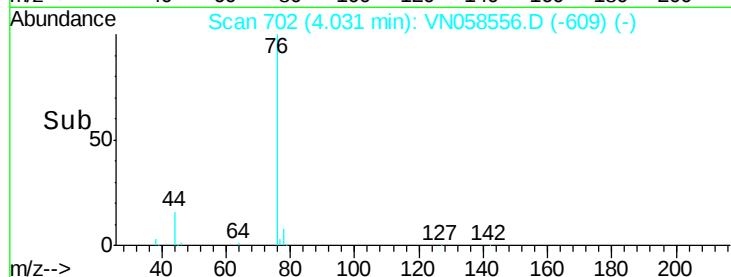
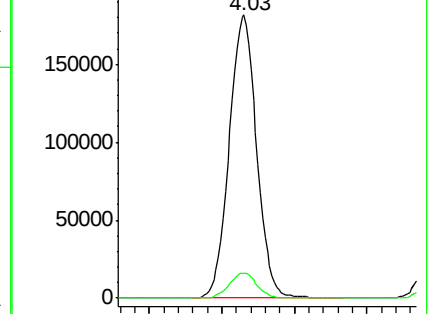
76 100

78 8.8 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 54.504 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058556.D

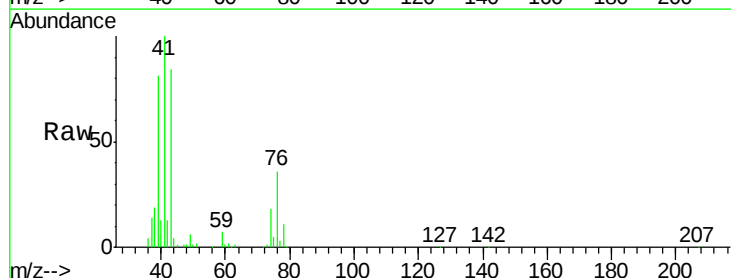
Acq: 4 Oct 2019 20:56

Tgt Ion: 43 Resp: 267378

Ion Ratio Lower Upper

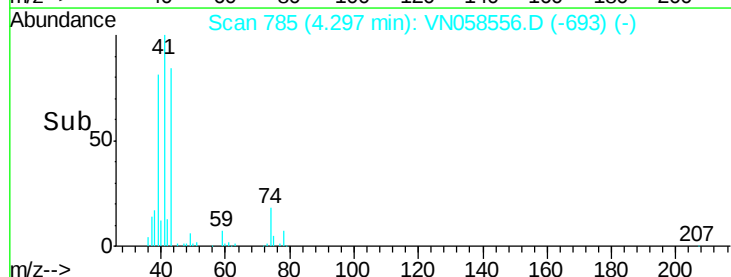
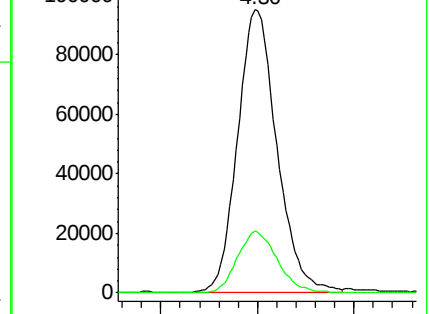
43 100

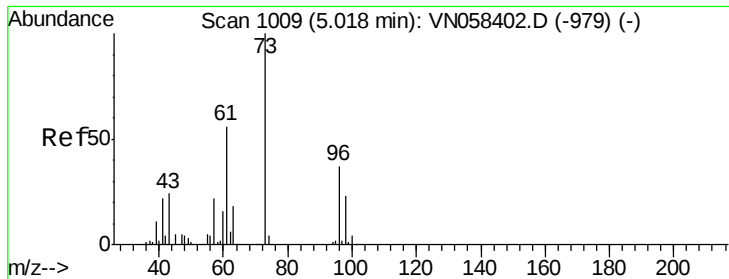
74 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

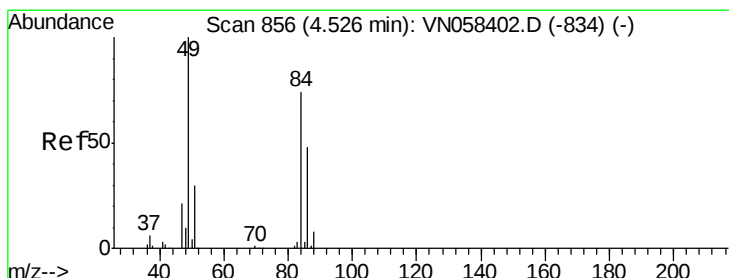
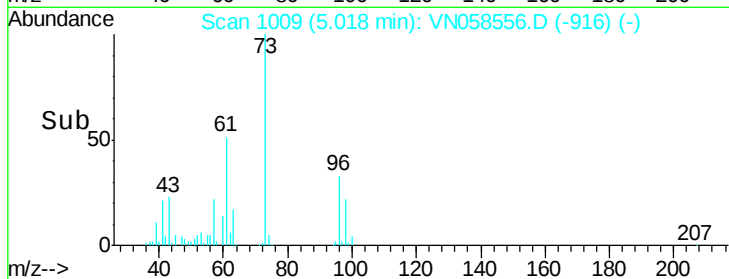
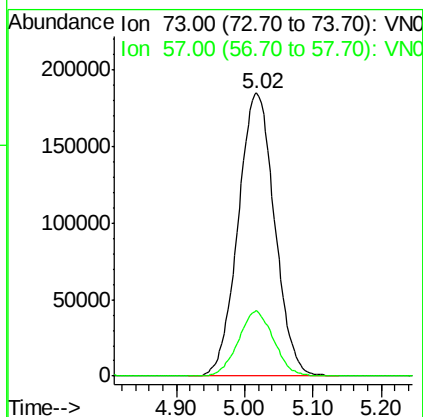
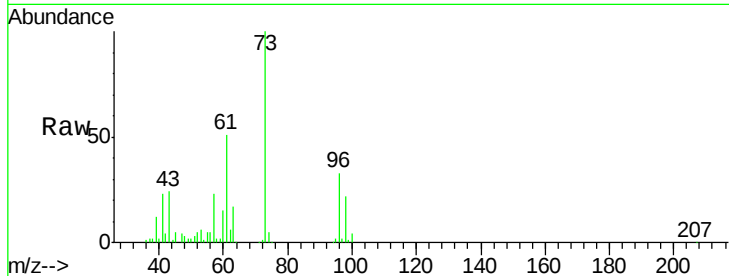




#19
Methvl tert-butvl Ether
Concen: 52.701 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

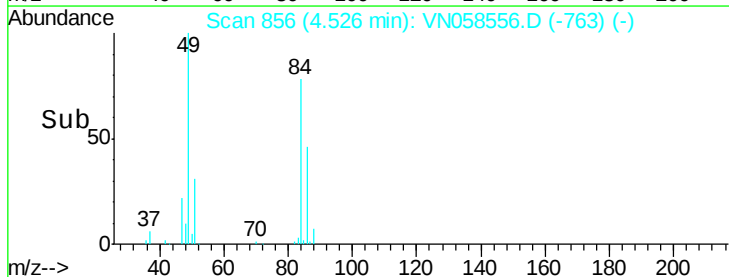
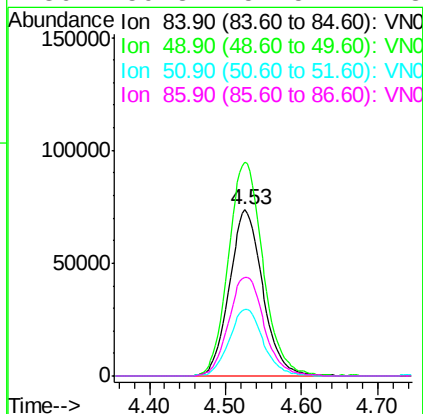
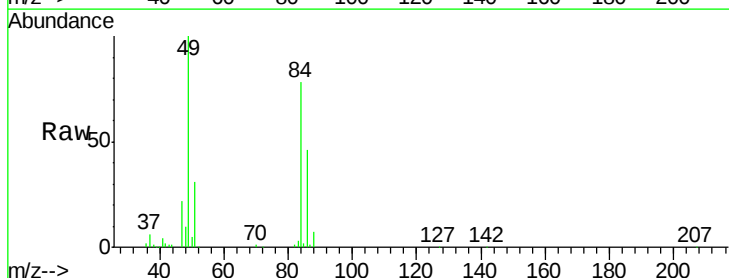
Instrument :
MSVOA_N
ClientSampled :

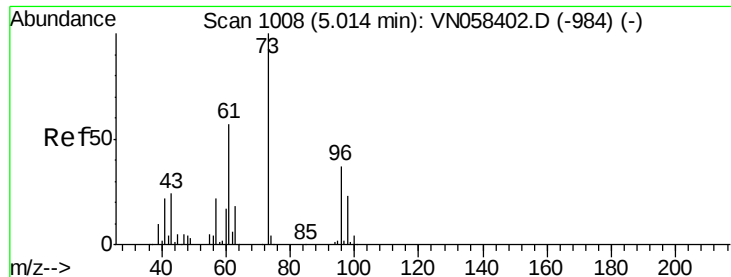
Tot Ion: 73 Resp: 686819
Ion Ratio Lower Upper
73 100
57 23.1 17.6 26.4



#20
Methylene Chloride
Concen: 49.971 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 84 Resp: 224928
Ion Ratio Lower Upper
84 100
49 128.8 107.9 161.9
51 39.9 32.8 49.2
86 59.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.675 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

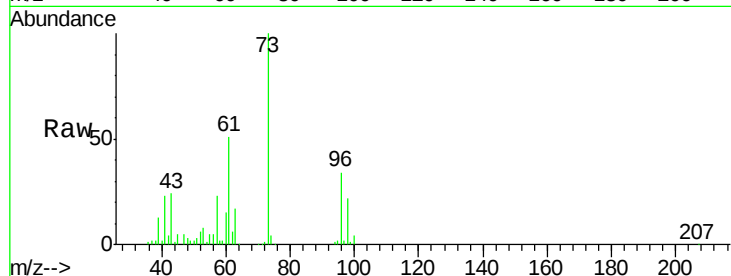
Tot Ion: 96 Resp: 199925

Ion Ratio Lower Upper

96 100

61 151.2 121.9 182.9

98 63.7 49.3 73.9

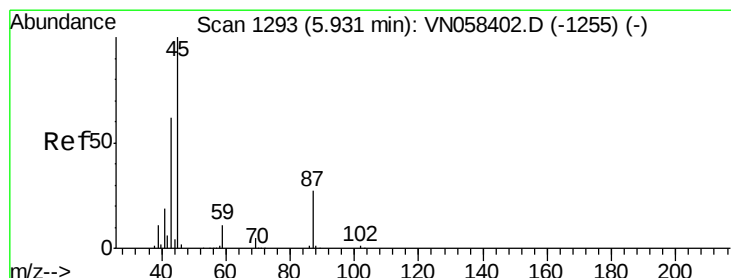
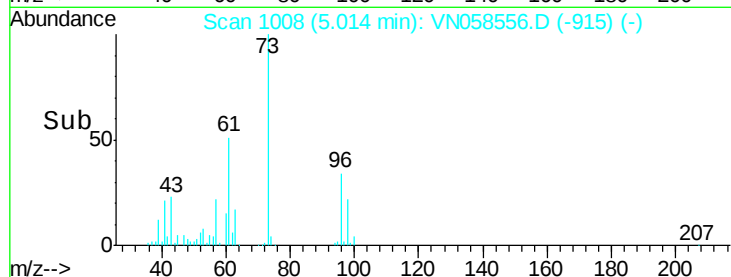
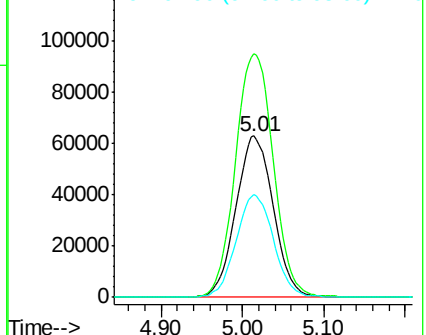


Abundance

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: 52.870 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion: 45 Resp: 764752

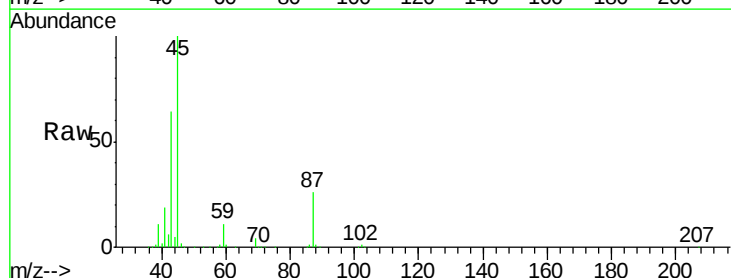
Ion Ratio Lower Upper

45 100

43 63.2 49.7 74.5

87 26.1 21.5 32.3

59 10.9 8.9 13.3



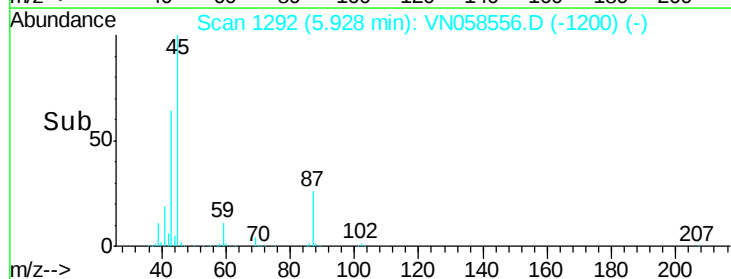
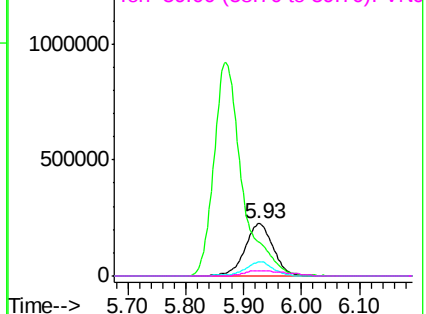
Abundance

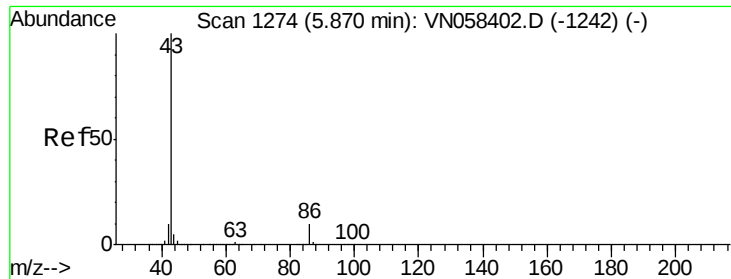
Ion 45.00 (44.70 to 45.70): VN0

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

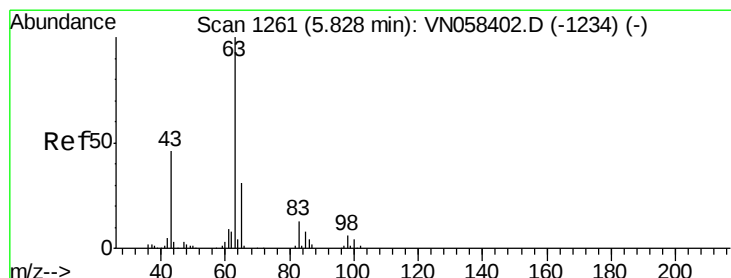
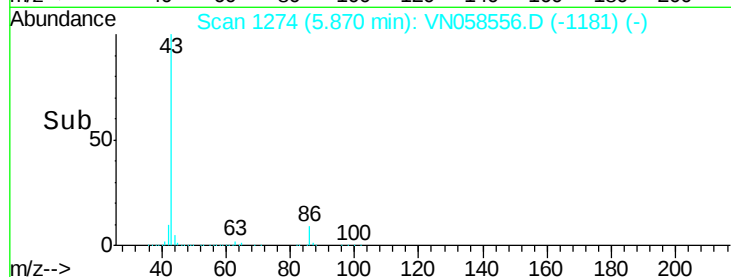
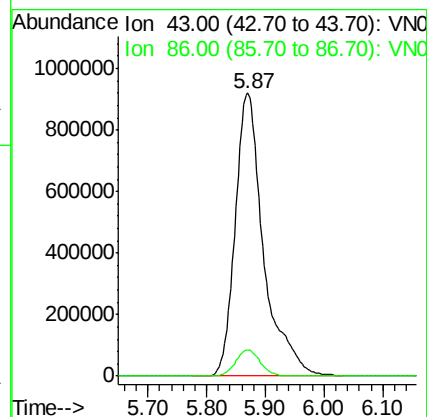
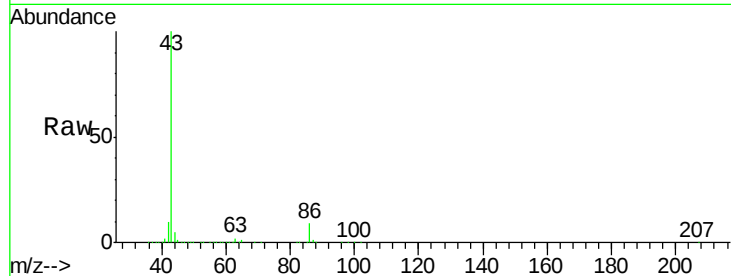




#23
 Vinyl Acetate
 Concen: 284.985 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

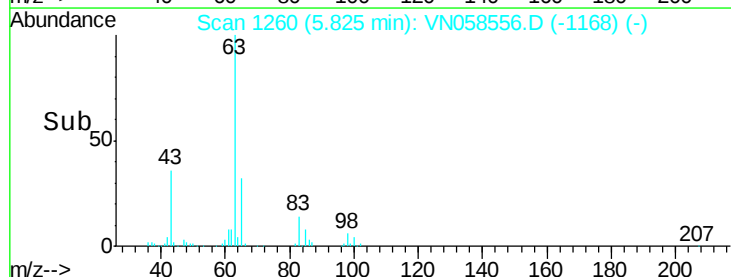
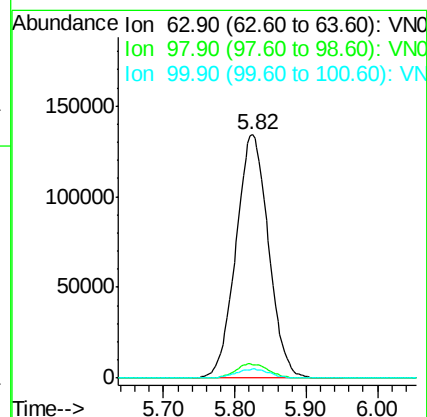
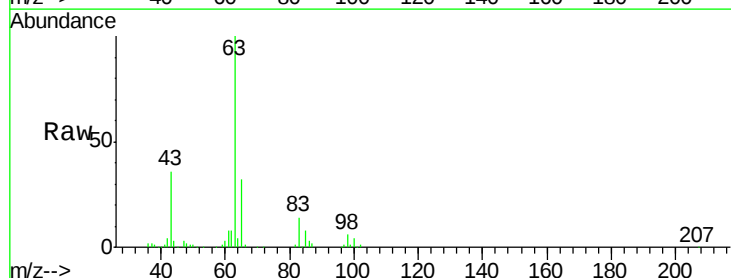
Instrument :
 MSVOA_N
 ClientSampleId :

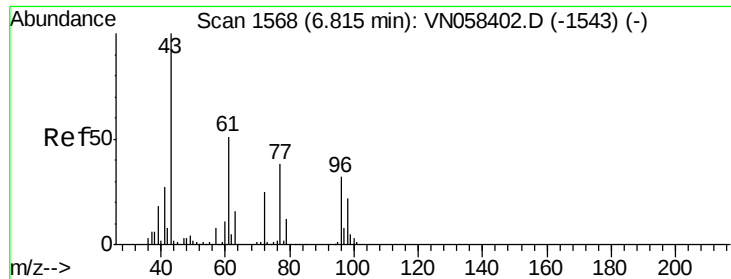
Tot Ion: 43 Resp: 3108189
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 52.387 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 63 Resp: 426457
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.0
 100 3.6 2.0 5.8

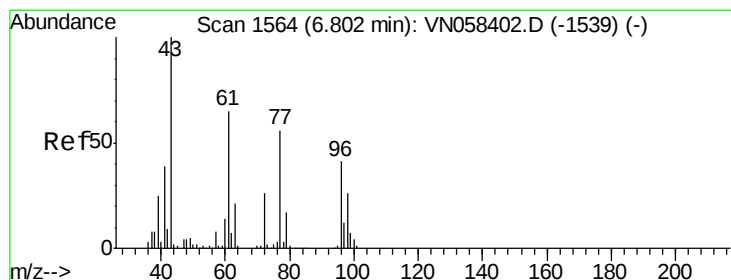
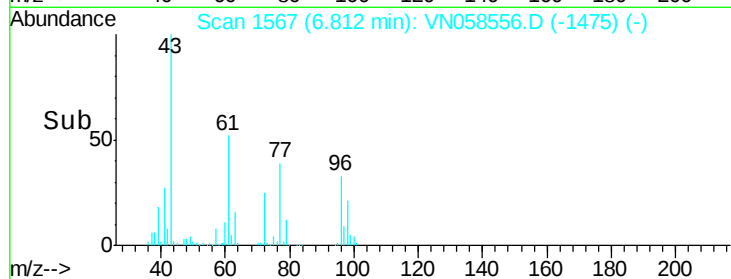
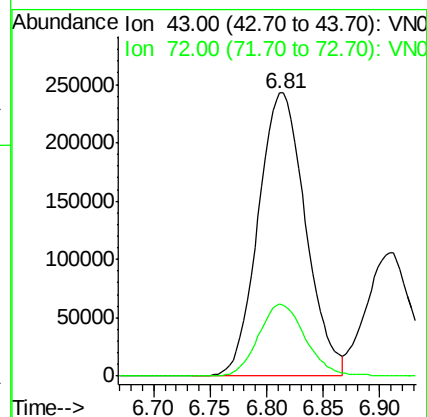
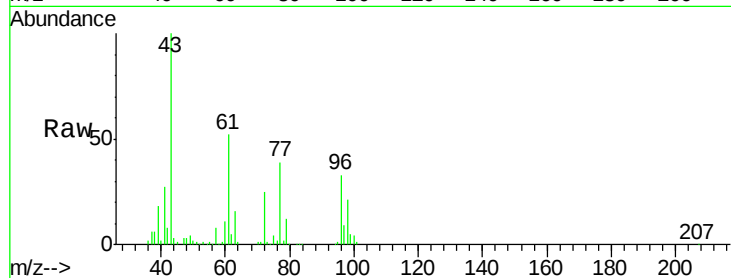




#25
2-Butanone
Concen: 262.272 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

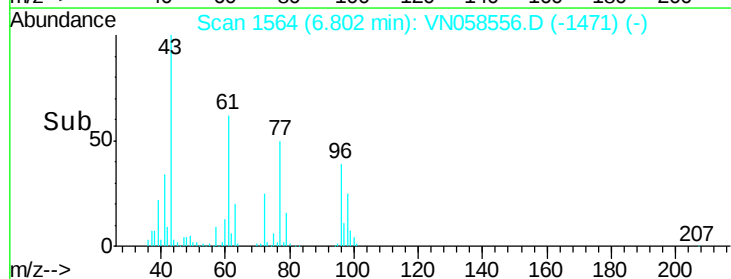
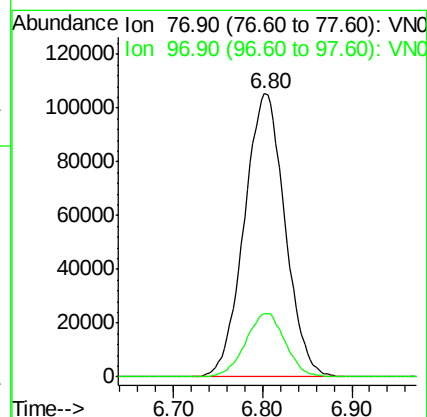
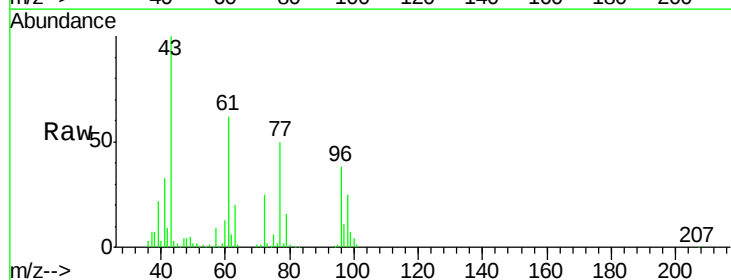
Instrument :
MSVOA_N
ClientSampled :

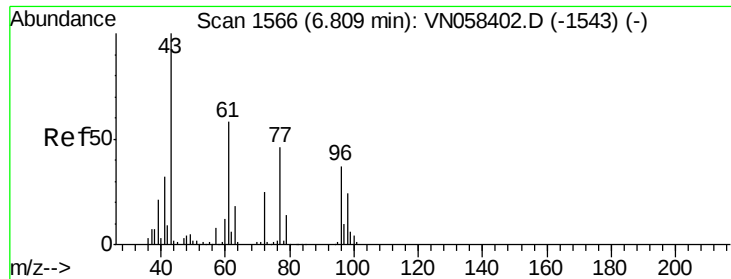
Tot Ion: 43 Resp: 702346
Ion Ratio Lower Upper
43 100
72 25.4 20.2 30.4



#26
2,2-Dichloropropane
Concen: 49.946 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 77 Resp: 334260
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 50.304 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :

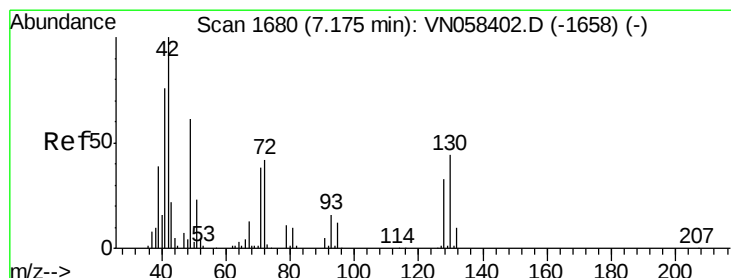
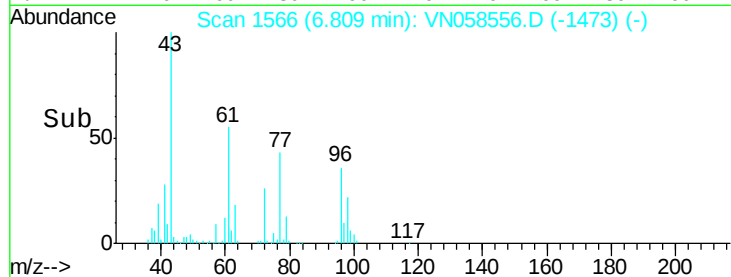
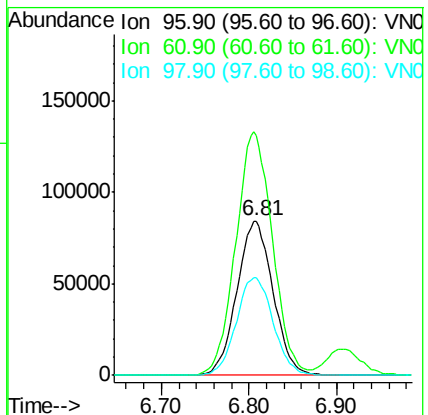
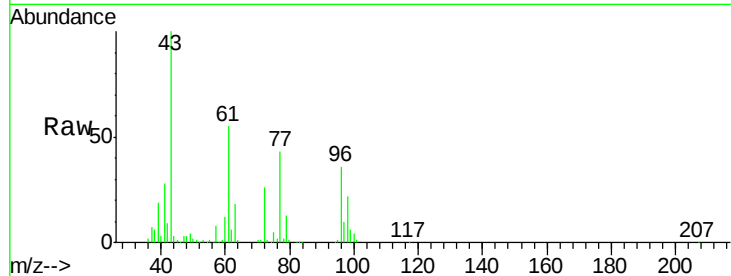
Tot Ion: 96 Resp: 241483

Ion Ratio Lower Upper

96 100

61 160.1 0.0 318.8

98 64.8 0.0 129.8



#28

Bromochloromethane

Concen: 53.317 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

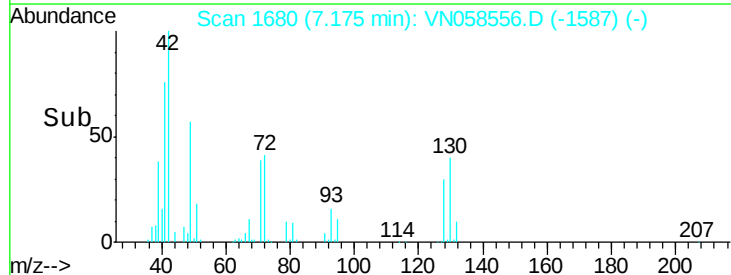
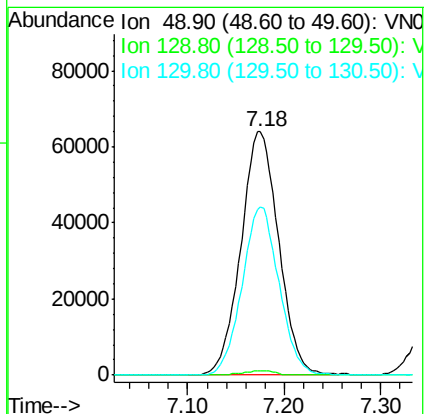
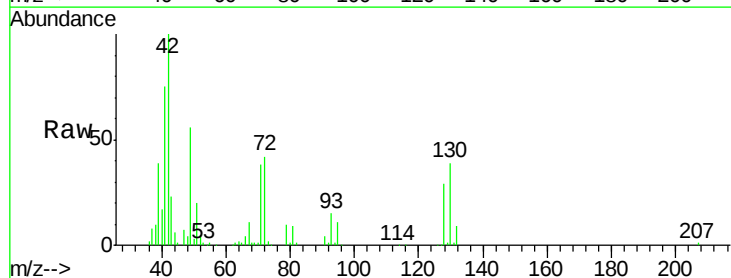
Tgt Ion: 49 Resp: 173496

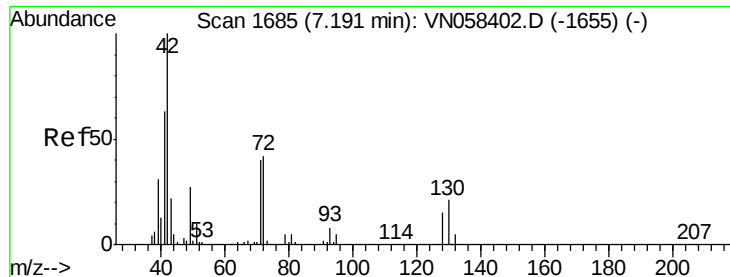
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 67.6 56.3 84.5

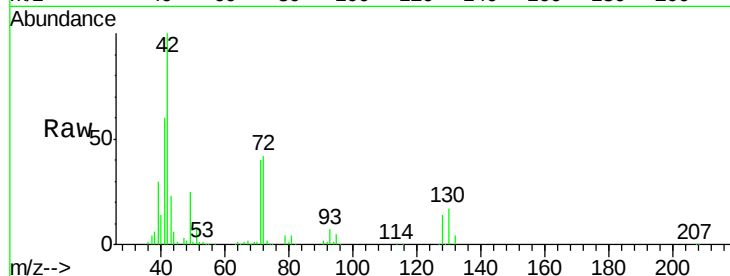




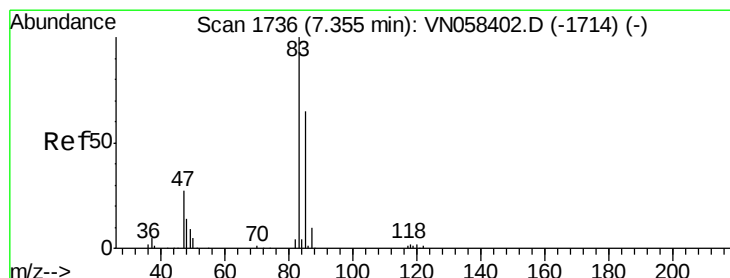
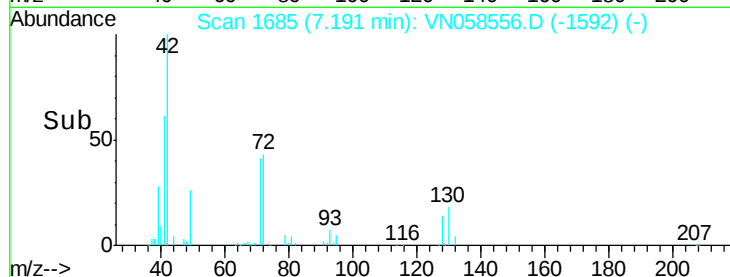
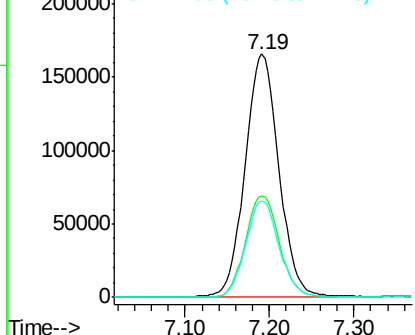
#29
Tetrahydrofuran
Concen: 271.090 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 460761
Ion Ratio Lower Upper
42 100
72 42.3 33.7 50.5
71 39.6 31.8 47.6

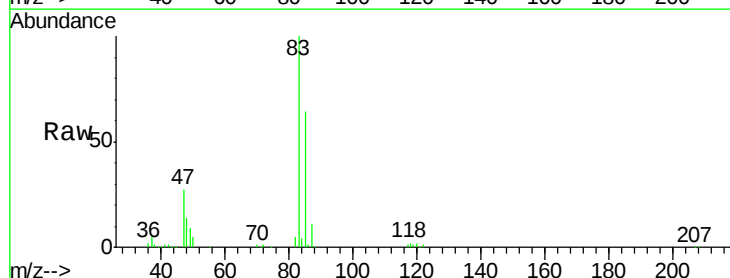


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

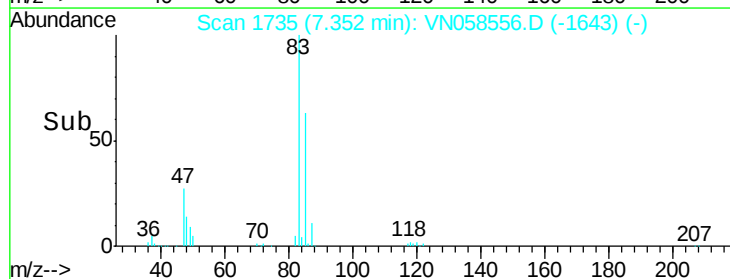
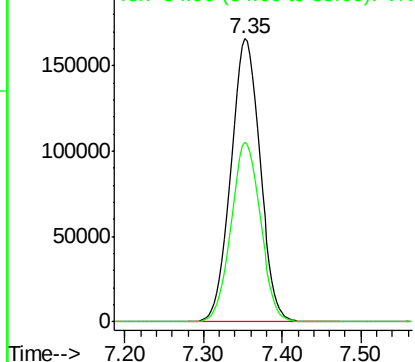


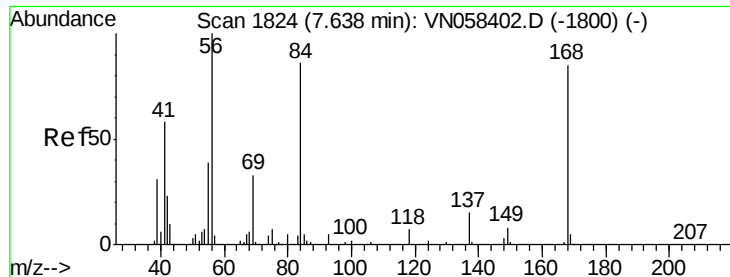
#30
Chloroform
Concen: 52.039 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 83 Resp: 429279
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

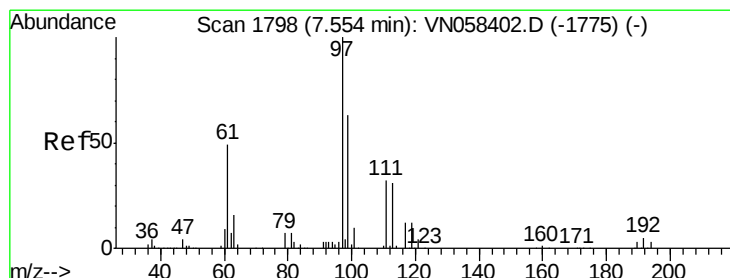
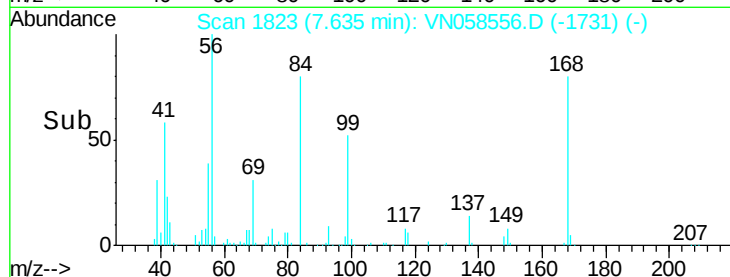
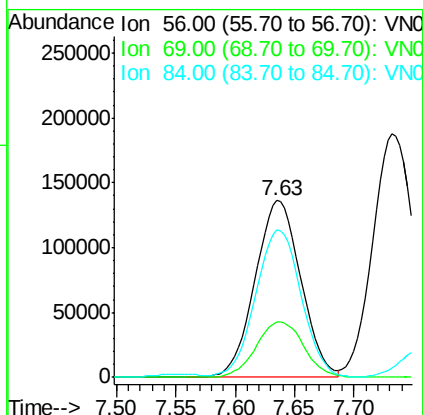
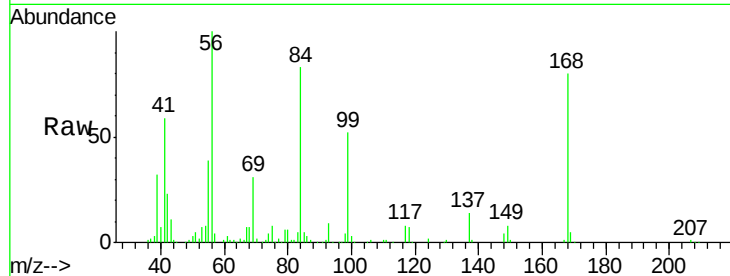




#31
Cvclohexane
Concen: 45.856 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

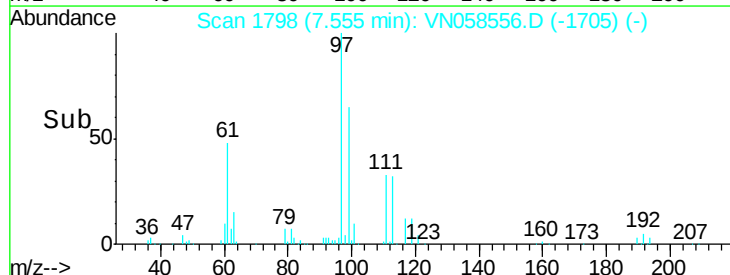
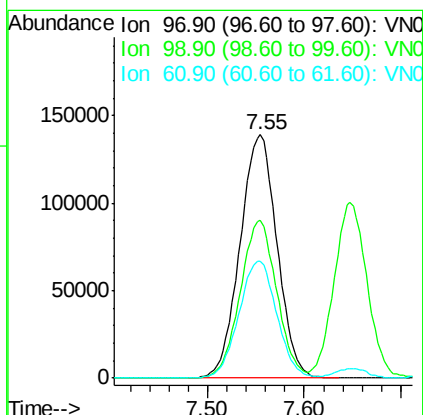
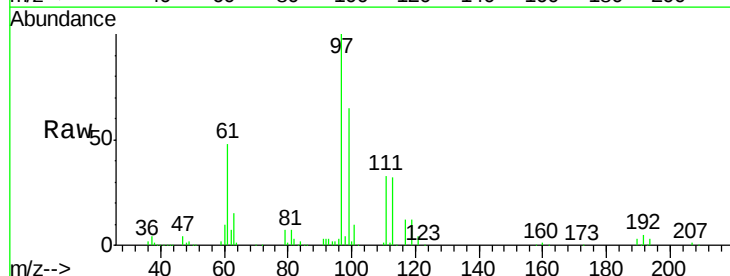
Instrument :
MSVOA_N
ClientSampleId :

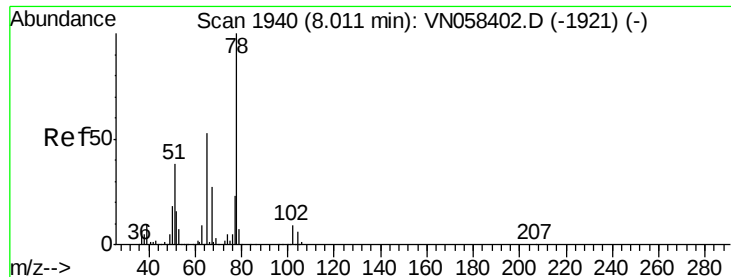
Tot Ion: 56 Resp: 363116
Ion Ratio Lower Upper
56 100
69 31.4 26.2 39.4
84 81.6 67.6 101.4



#32
1,1,1-Trichloroethane
Concen: 54.612 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 97 Resp: 369946
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 49.3 39.2 58.8

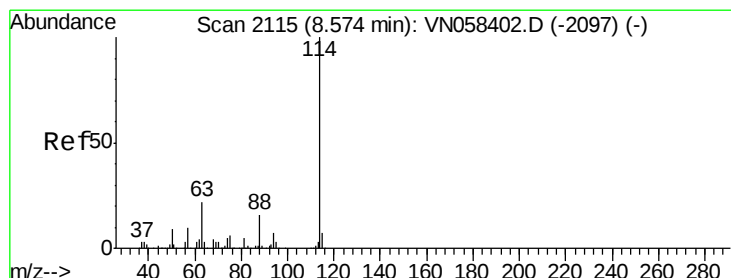
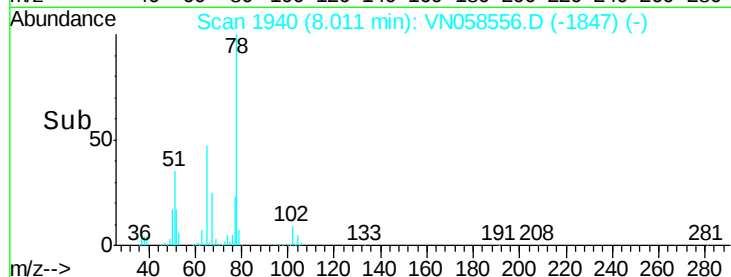
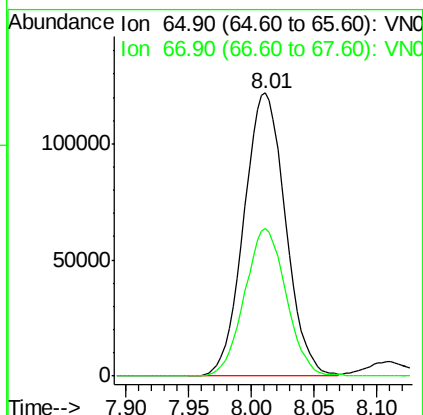
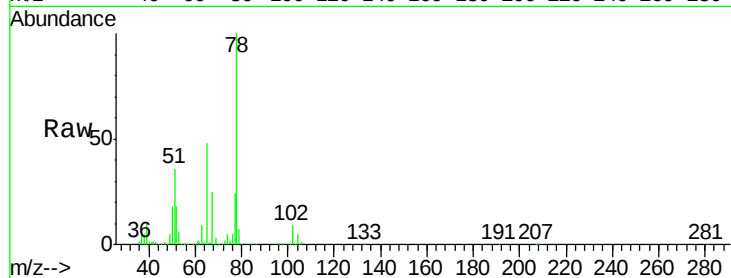




#33
 1,2-Dichloroethane-d4
 Concen: 49.282 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

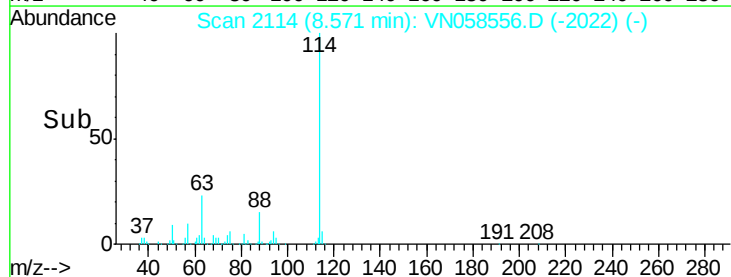
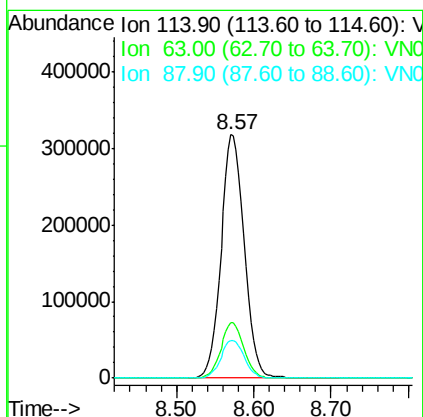
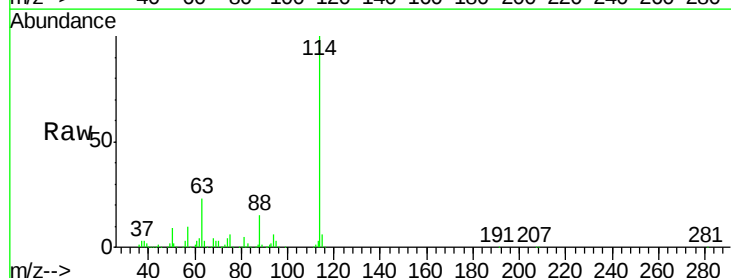
Instrument :
 MSVOA_N
 ClientSampled :

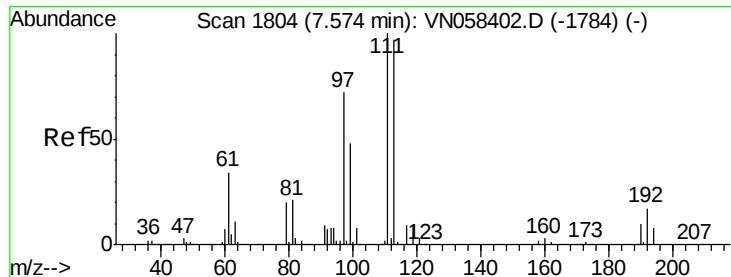
Tot Ion: 65 Resp: 281978
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 114 Resp: 659961
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 15.4 0.0 32.2

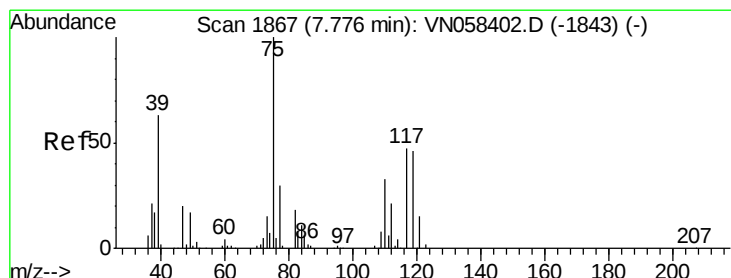
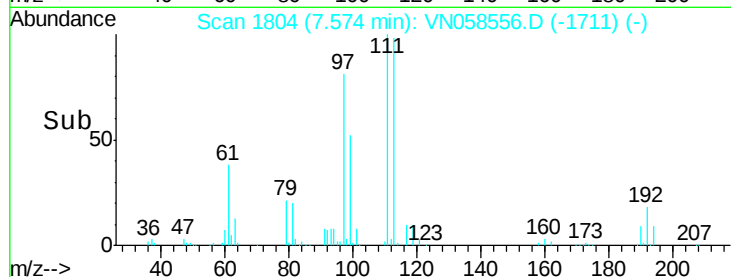
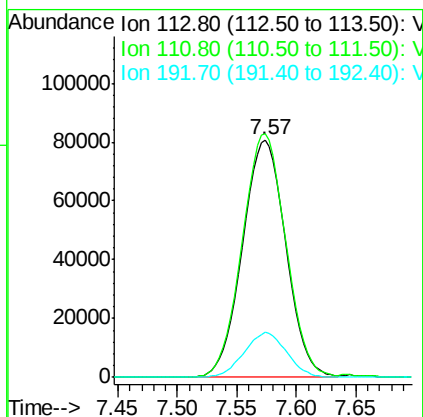
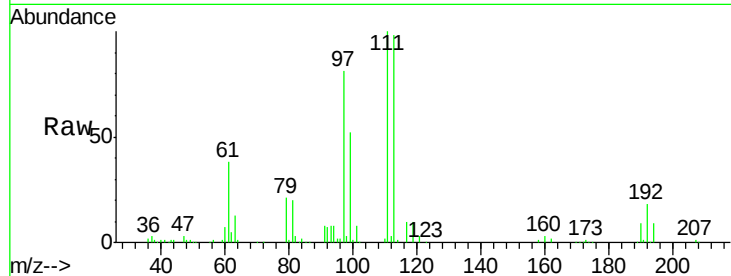




#35
 Dibromofluoromethane
 Concen: 50.411 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

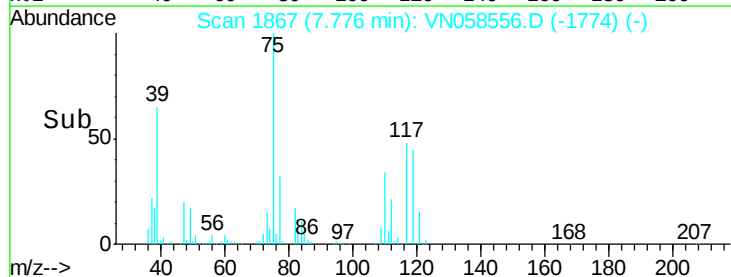
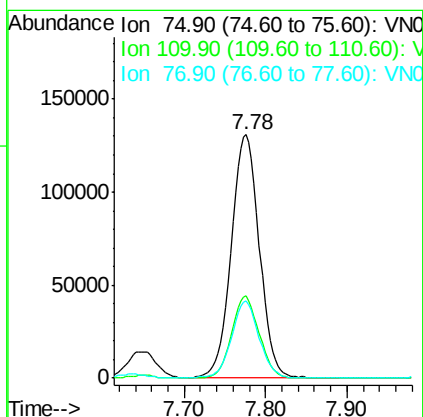
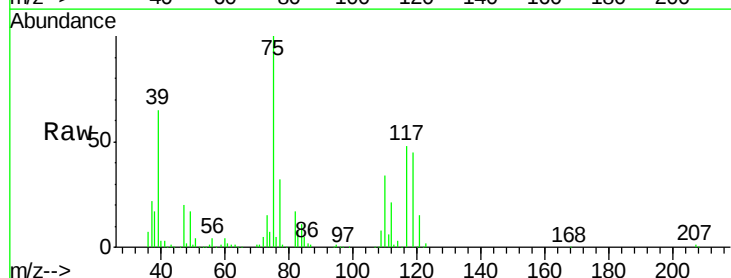
Instrument :
 MSVOA_N
 ClientSampled :

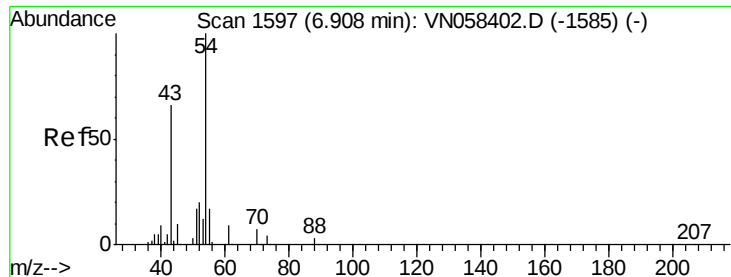
Tot Ion:113 Resp: 203906
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 18.6 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 49.844 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 75 Resp: 314543
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.4 49.2
 77 31.1 24.3 36.5

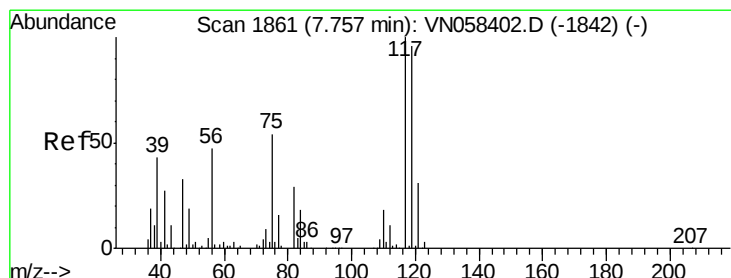
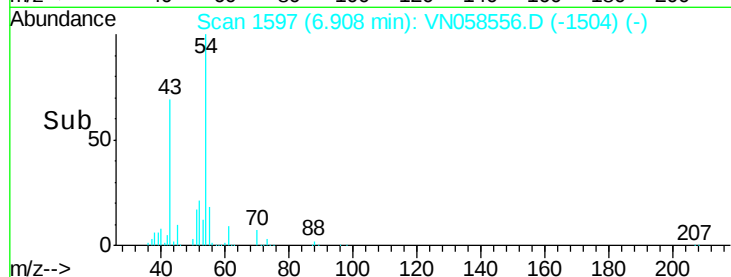
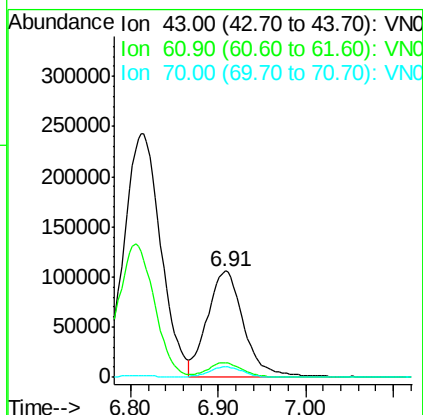
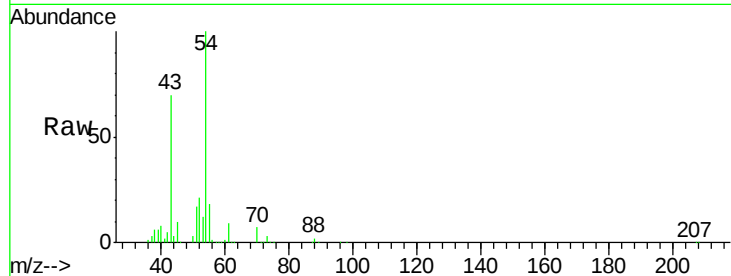




#37
Ethyl Acetate
Concen: 56.561 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

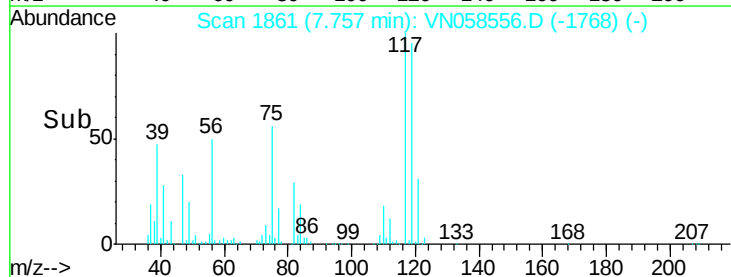
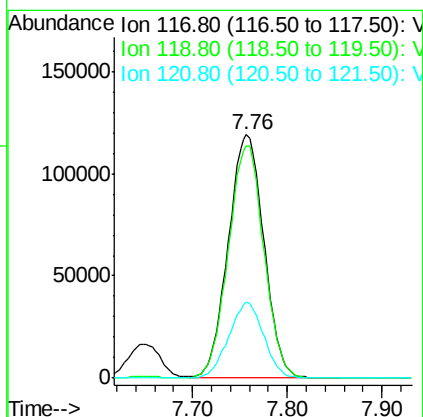
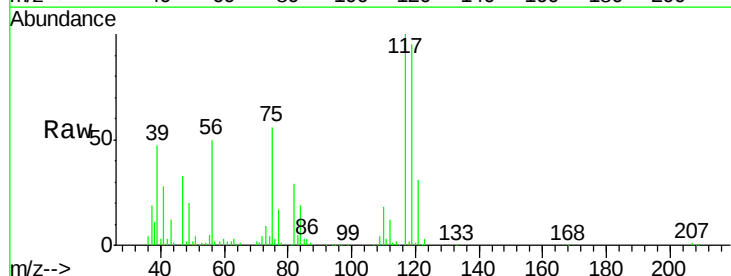
Instrument :
MSVOA_N
ClientSampleId :

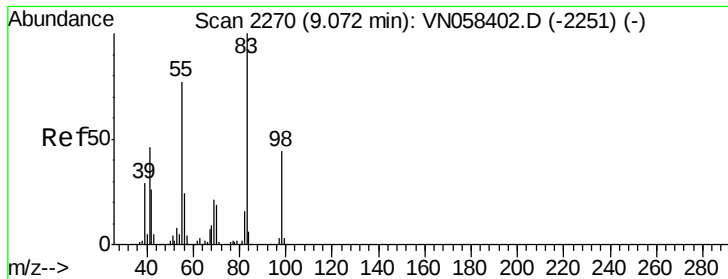
Tot Ion: 43 Resp: 302614
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 54.711 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 117 Resp: 311644
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0
121 31.1 24.7 37.1

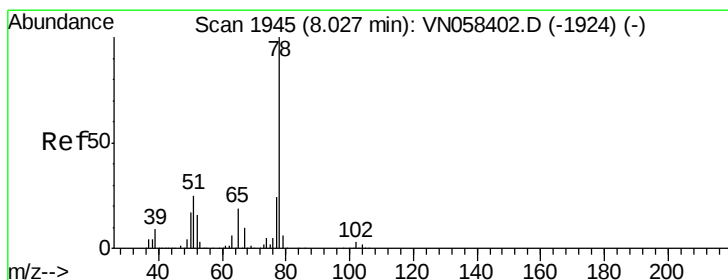
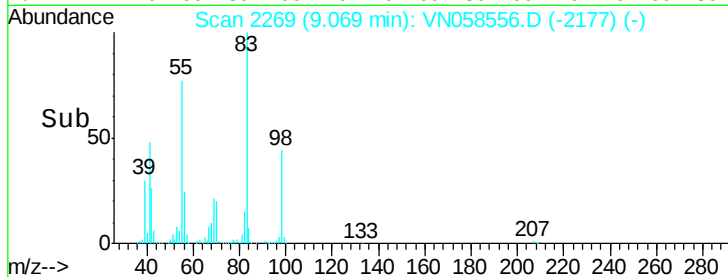
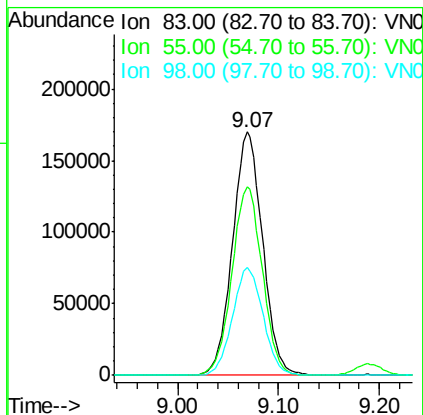
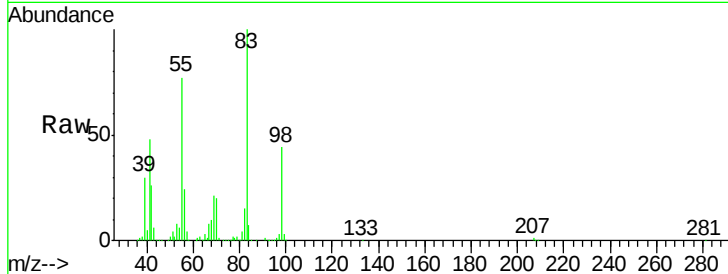




#39
Methvlcvclohexane
Concen: 47.835 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

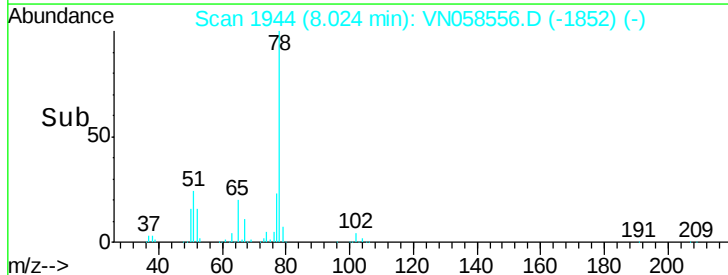
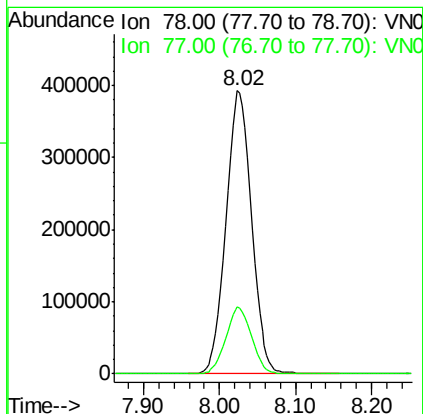
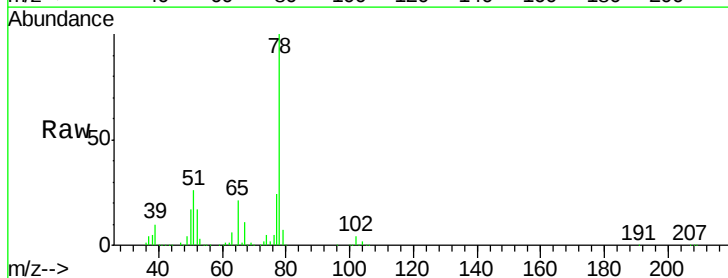
Instrument :
MSVOA_N
ClientSampled :

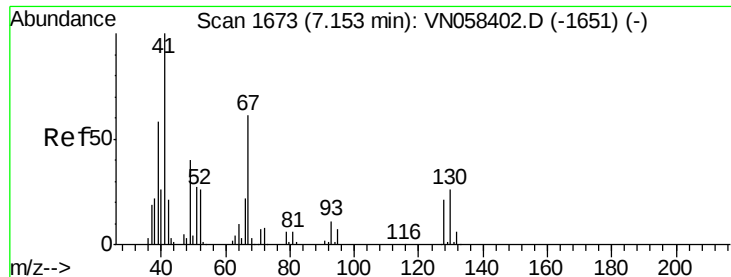
Tot Ion: 83 Resp: 352513
Ion Ratio Lower Upper
83 100
55 77.5 61.8 92.6
98 44.1 35.4 53.0



#40
Benzene
Concen: 50.766 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 78 Resp: 920857
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

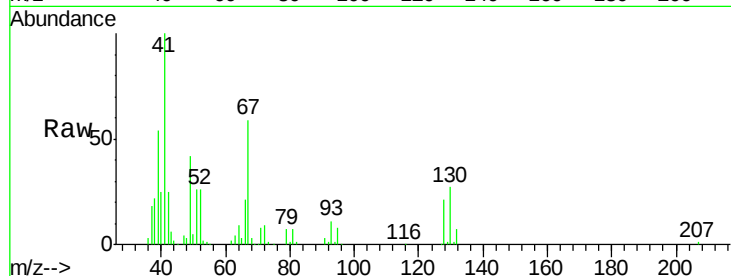




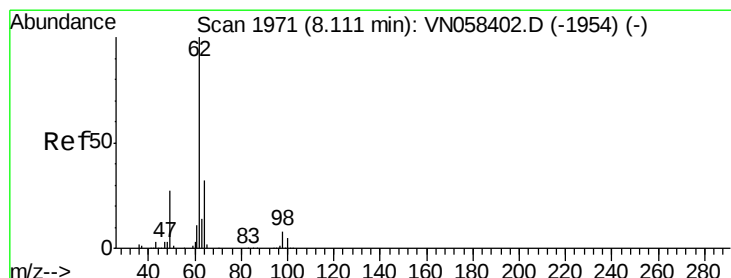
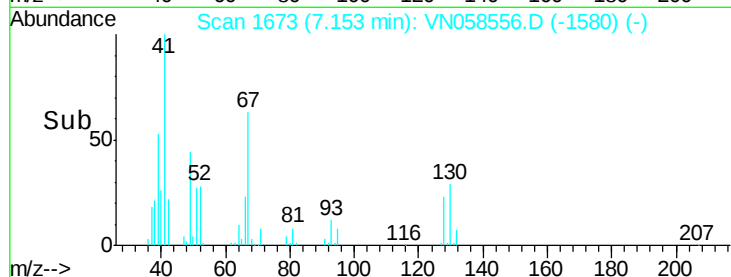
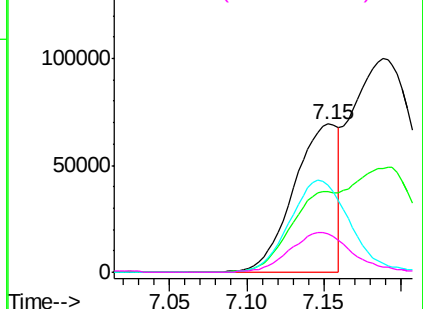
#41
Methacrylonitrile
Concen: 55.936 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	137680
Ion	Ratio	Lower	Upper
41	100		
39	57.2	50.2	75.4
67	84.8	70.2	105.4
52	36.8	31.4	47.0

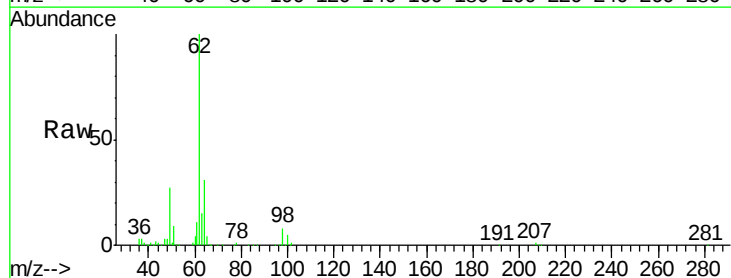


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

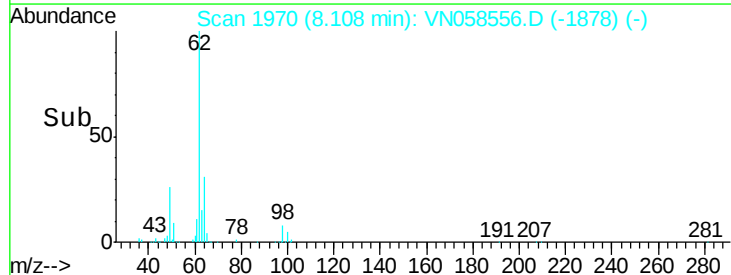
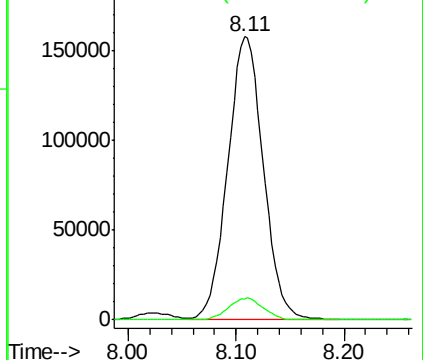


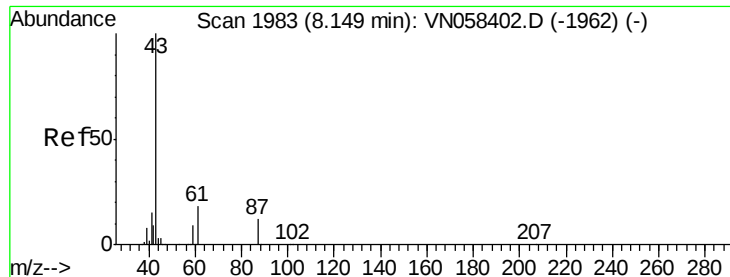
#42
1,2-Dichloroethane
Concen: 51.235 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion:	62	Resp:	361575
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 52.402 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

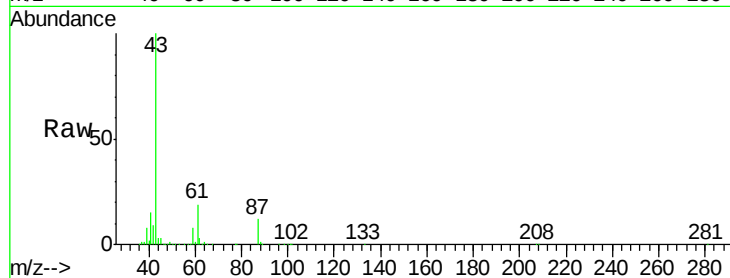
Tot Ion: 43 Resp: 527217

Ion Ratio Lower Upper

43 100

61 25.6 14.8 22.2#

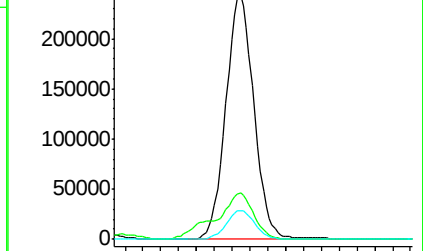
87 11.9 9.7 14.5



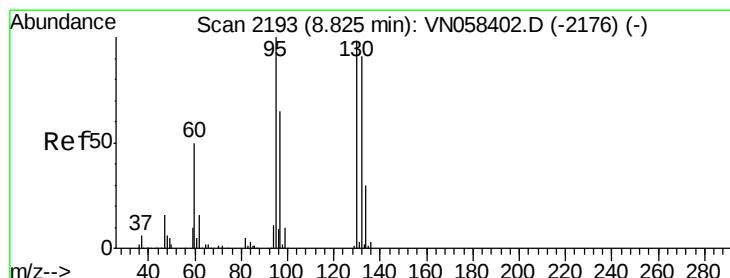
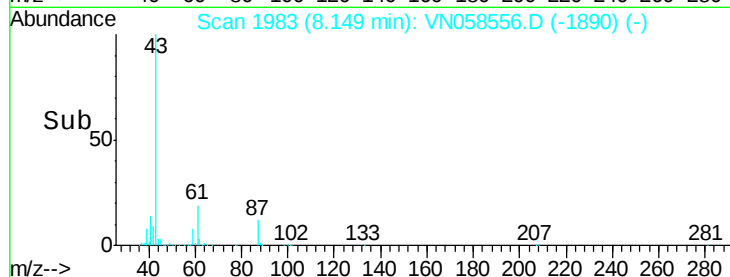
Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



Time-->



#44

Trichloroethene

Concen: 51.890 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058556.D

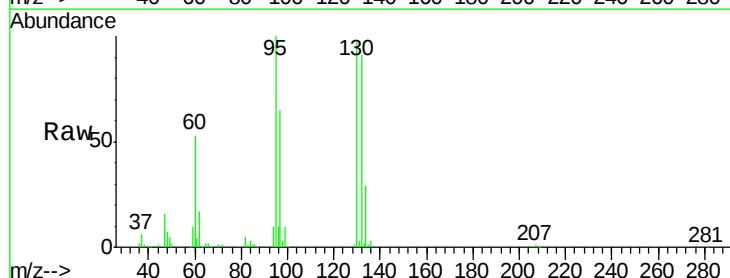
Acq: 4 Oct 2019 20:56

Tgt Ion:130 Resp: 232415

Ion Ratio Lower Upper

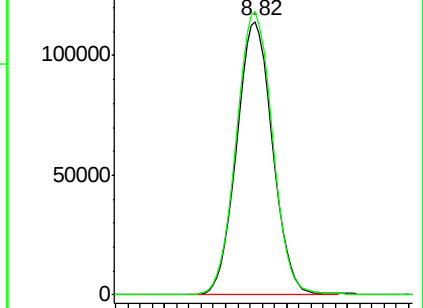
130 100

95 103.5 0.0 204.2

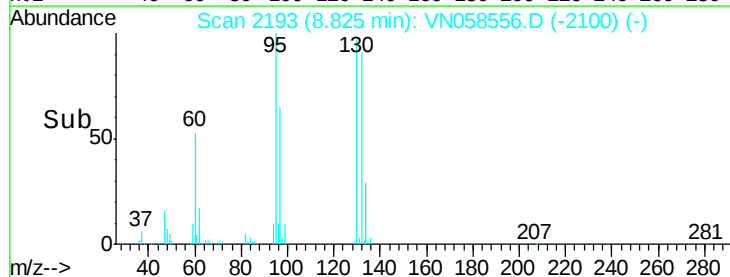


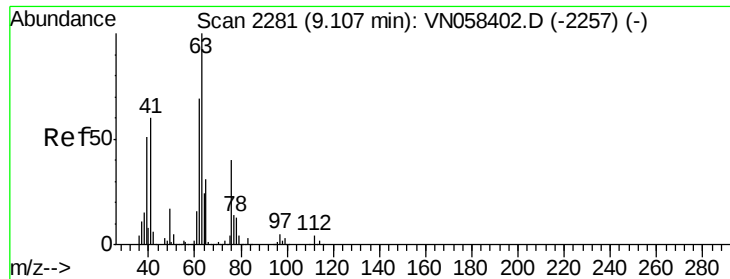
Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 52.655 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

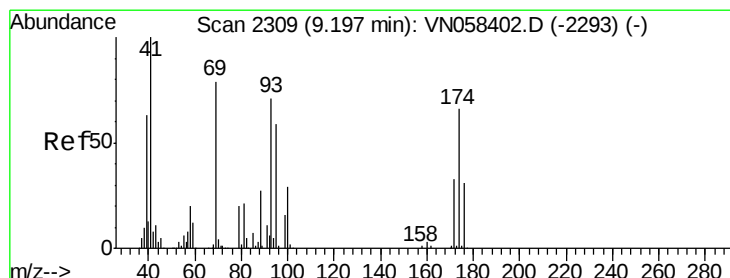
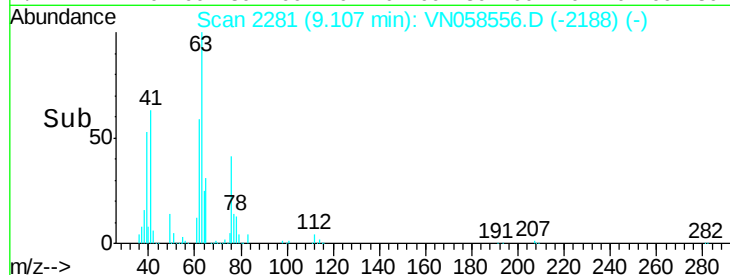
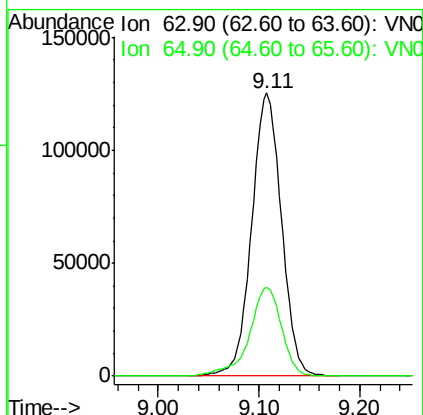
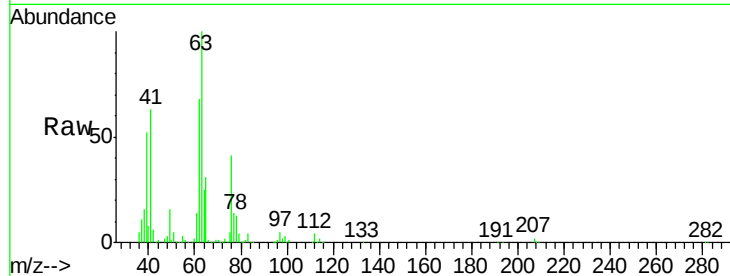
ClientSampled :

Tot Ion: 63 Resp: 256162

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.4



#46

Dibromomethane

Concen: 53.014 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

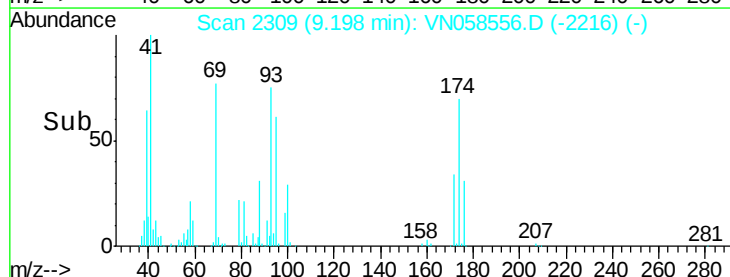
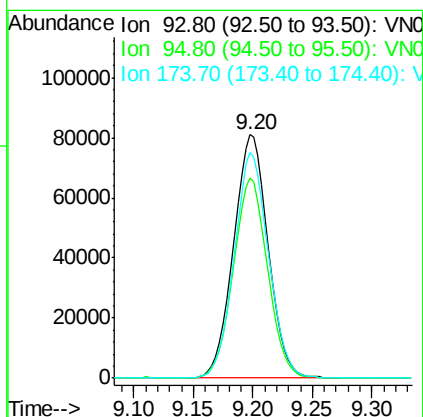
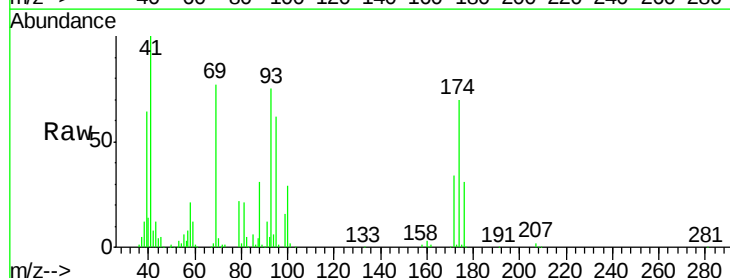
Tgt Ion: 93 Resp: 163328

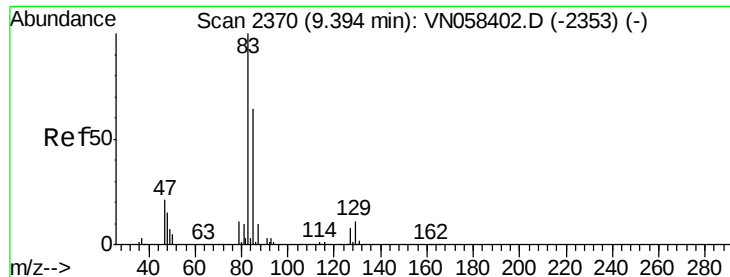
Ion Ratio Lower Upper

93 100

95 81.4 67.0 100.4

174 91.8 74.2 111.2





#47

Bromodichloromethane

Concen: 56.861 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

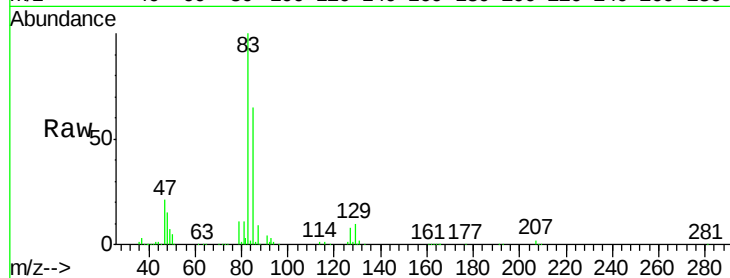
Tot Ion: 83 Resp: 331913

Ion Ratio Lower Upper

83 100

85 65.1 51.2 76.8

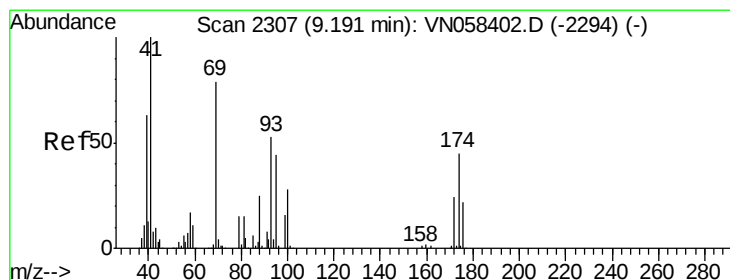
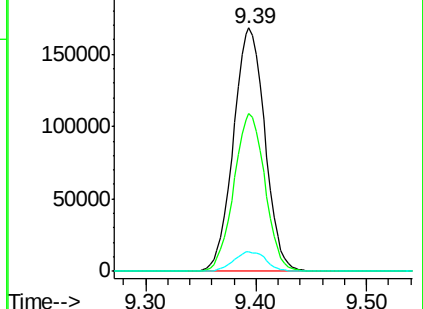
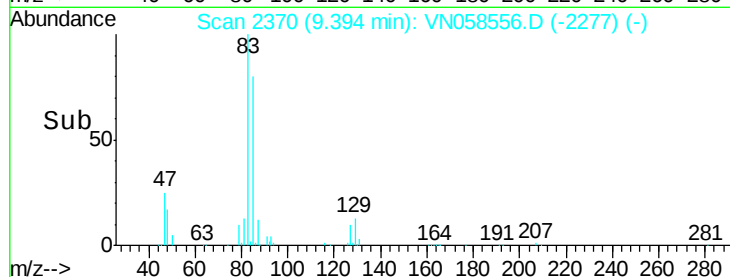
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058556.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058556.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058556.D (-2277) (-)



#48

Methyl methacrylate

Concen: 52.804 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

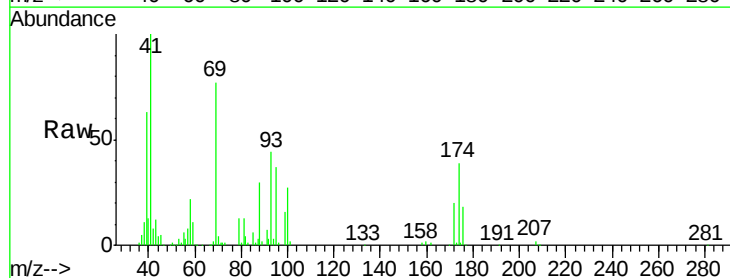
Tgt Ion: 41 Resp: 241908

Ion Ratio Lower Upper

41 100

69 80.4 64.7 97.1

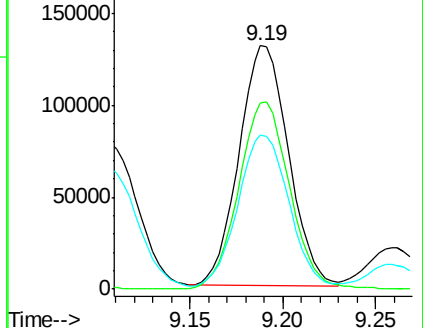
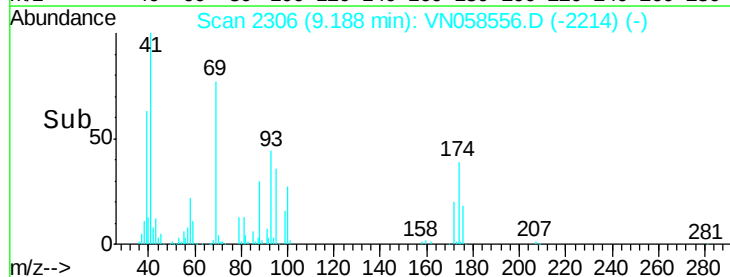
39 66.4 52.9 79.3

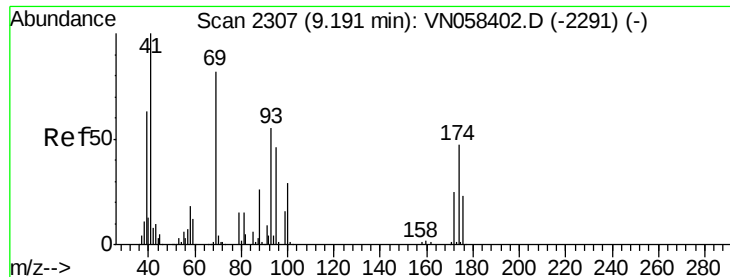


Abundance Ion 41.00 (40.70 to 41.70): VN058556.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058556.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058556.D (-2214) (-)

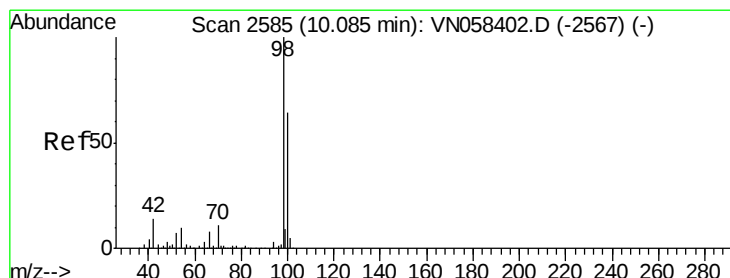
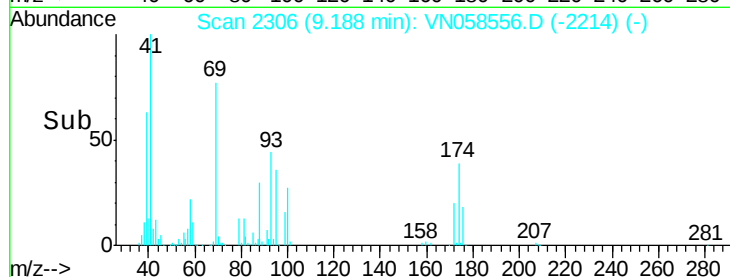
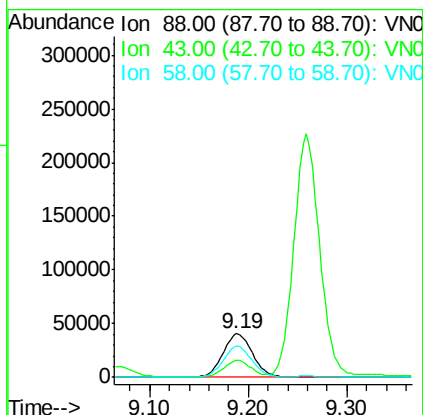
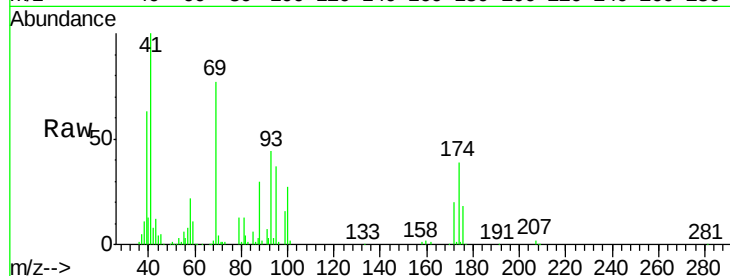




#49
1,4-Dioxane
Concen: 1404.217 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

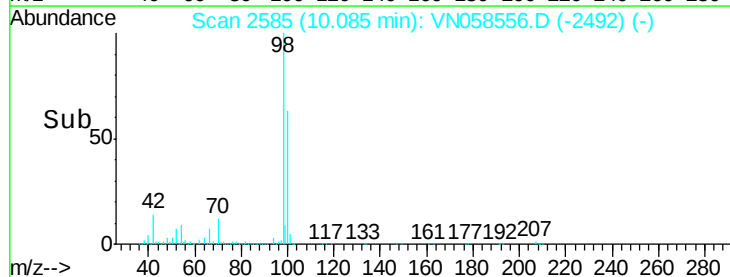
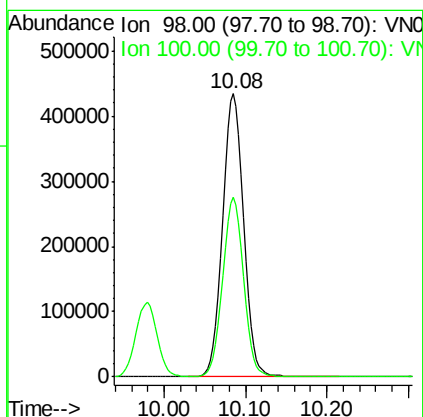
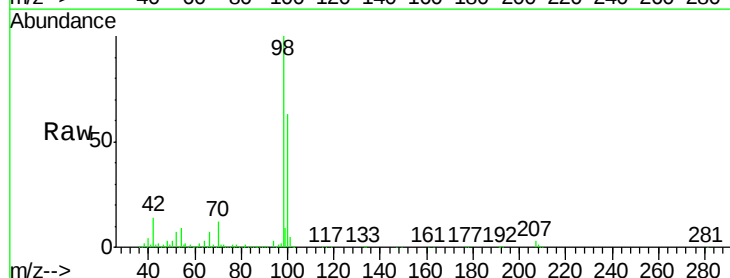
Instrument :
MSVOA_N
ClientSampleId :

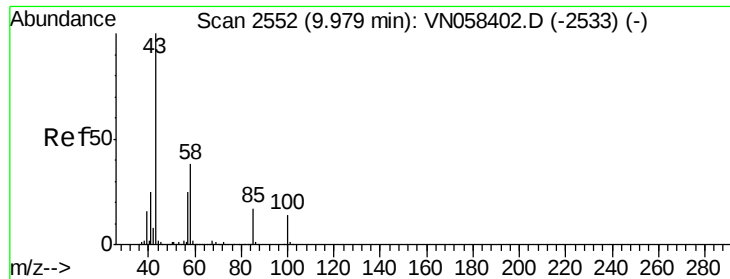
Tot Ion: 88 Resp: 86018
Ion Ratio Lower Upper
88 100
43 35.6 31.1 46.7
58 68.5 58.1 87.1



#50
Toluene-d8
Concen: 50.413 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 98 Resp: 798804
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 299.140 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

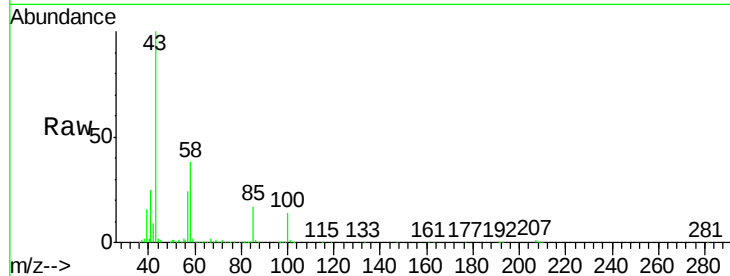
ClientSampleId :

Tot Ion: 43 Resp: 1545946

Ion Ratio Lower Upper

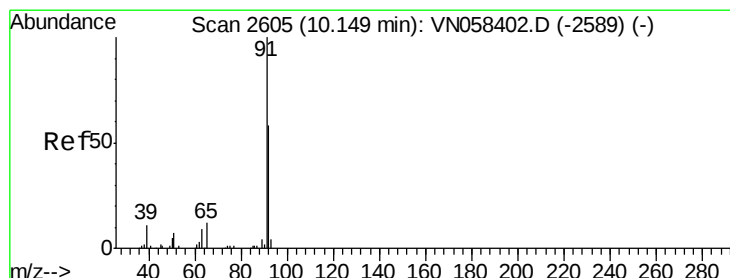
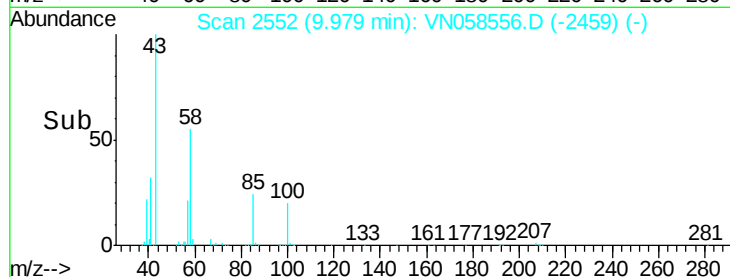
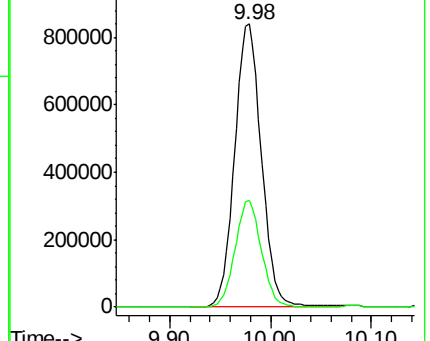
43 100

58 37.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.190 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058556.D

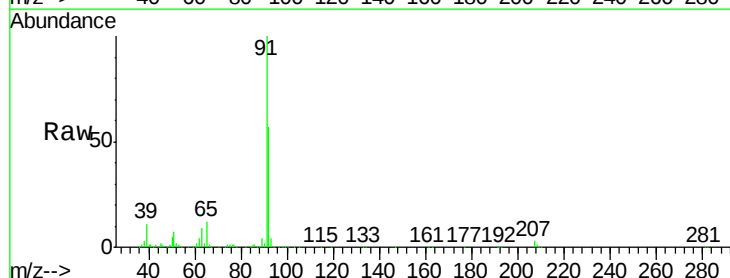
Acq: 4 Oct 2019 20:56

Tgt Ion: 92 Resp: 584458

Ion Ratio Lower Upper

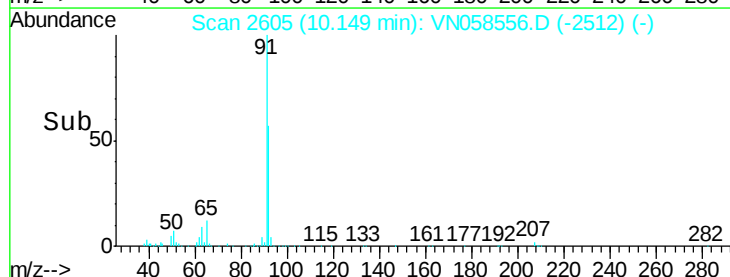
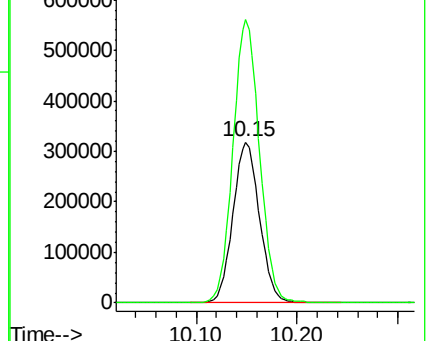
92 100

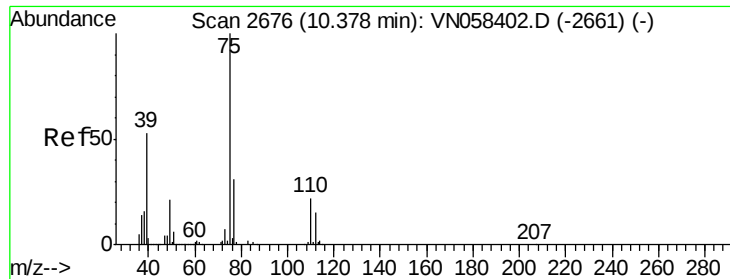
91 175.8 140.2 210.4



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: 58.217 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

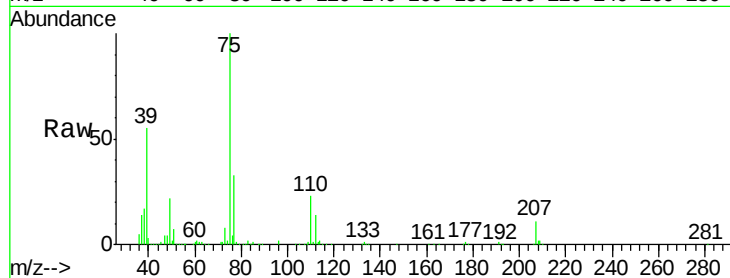
ClientSampleId :

Tot Ion: 75 Resp: 369876

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

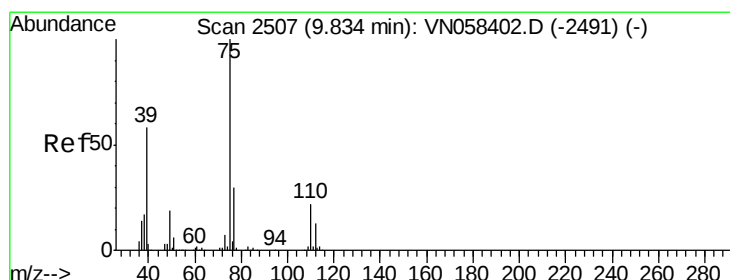
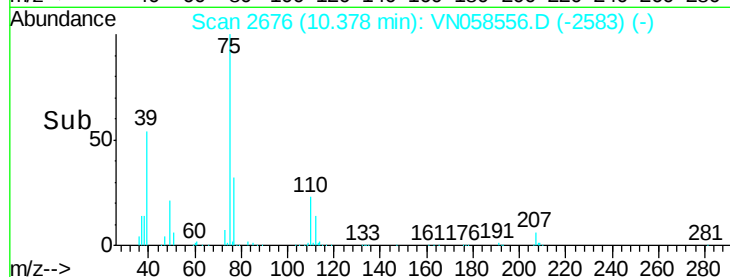
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.235 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

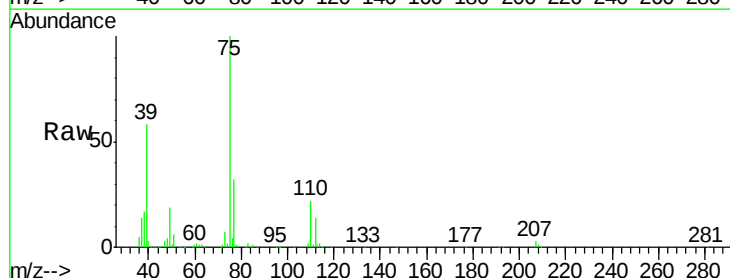
Tgt Ion: 75 Resp: 396599

Ion Ratio Lower Upper

75 100

77 32.2 24.2 36.4

39 58.0 46.4 69.6



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

9.83

300000

250000

200000

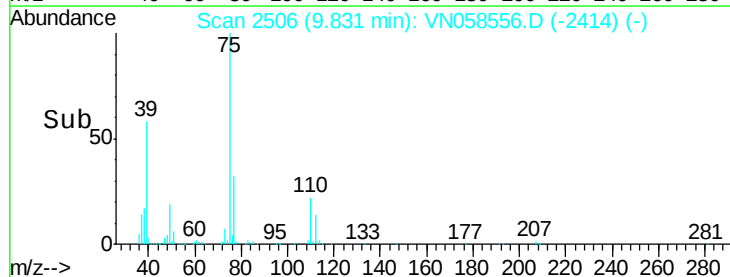
150000

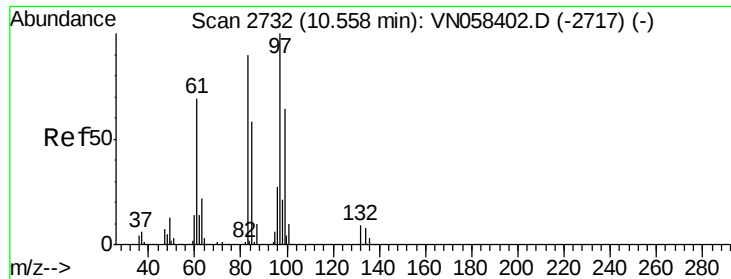
100000

50000

0

Time-->

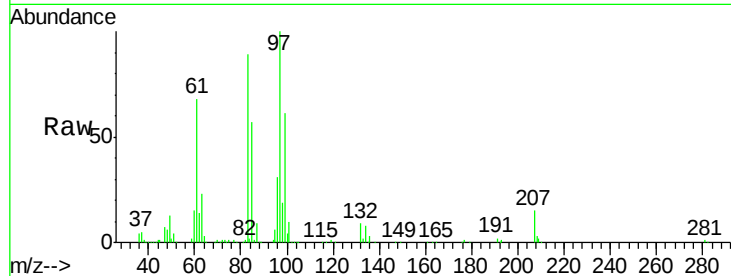




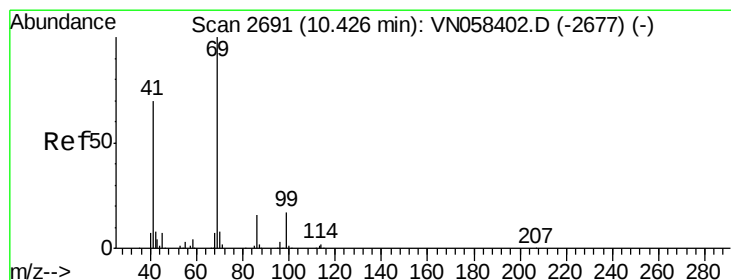
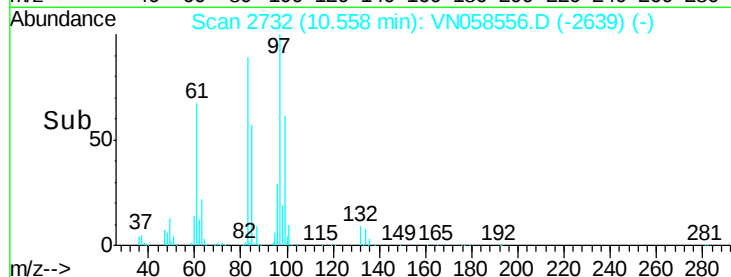
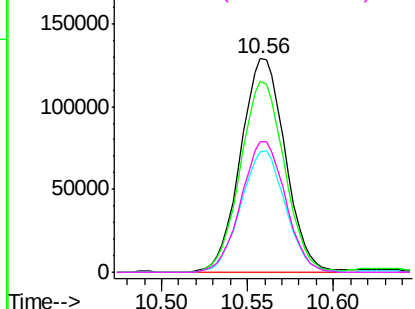
#55
 1,1,2-Trichloroethane
 Concen: 55.959 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	232640
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.8	107.6
85	56.6	46.6	69.8
99	61.0	51.5	77.3

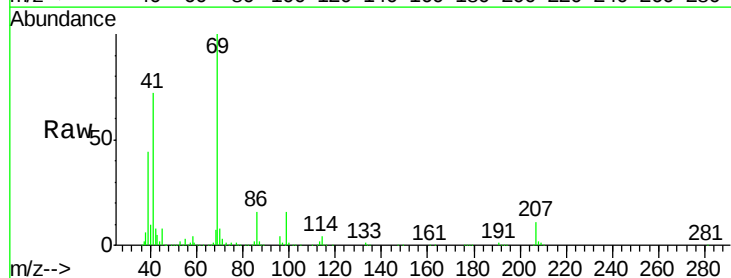


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

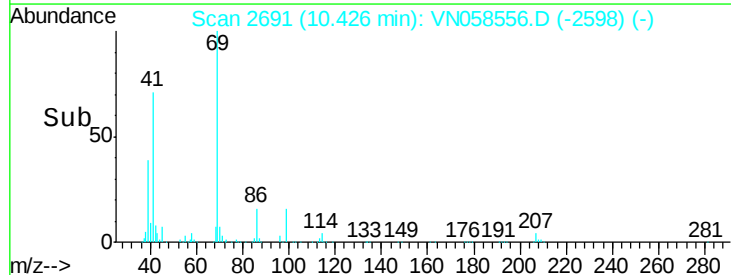
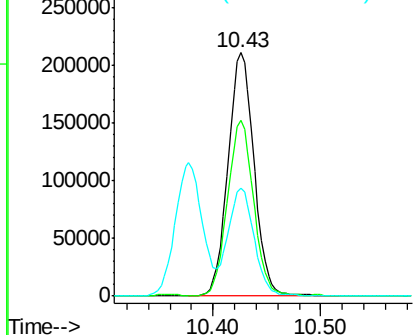


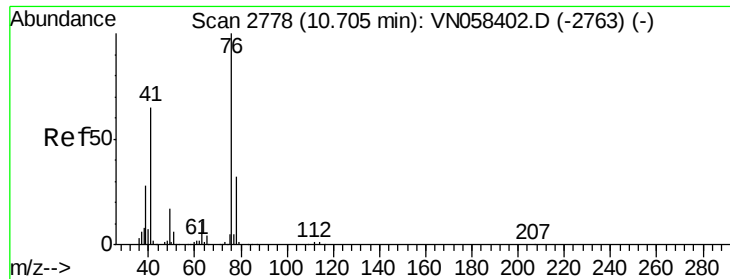
#56
 Ethyl methacrylate
 Concen: 56.384 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion:	69	Resp:	355691
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.3	84.5
39	43.9	35.8	53.6



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

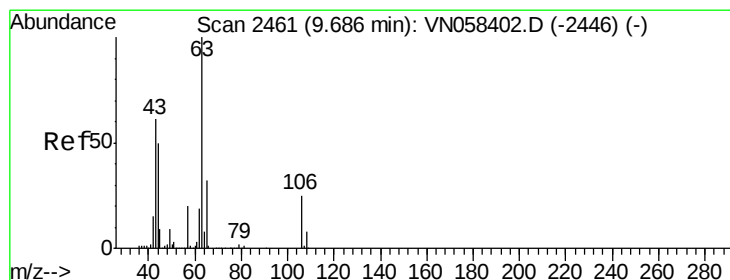
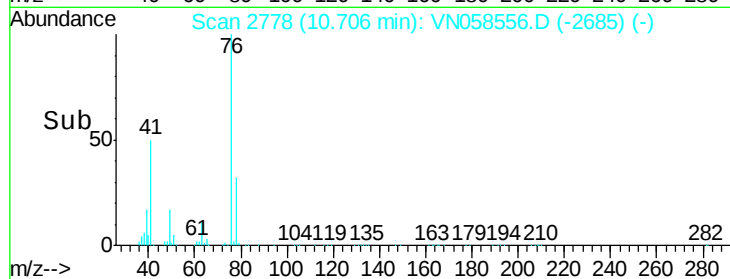
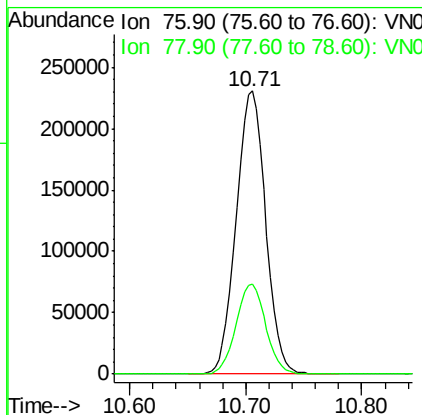
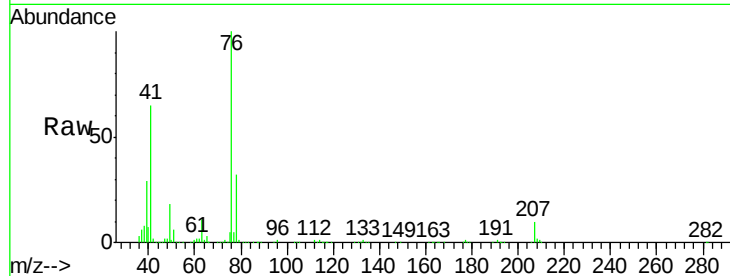




#57
 1,3-Dichloropropane
 Concen: 54.652 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

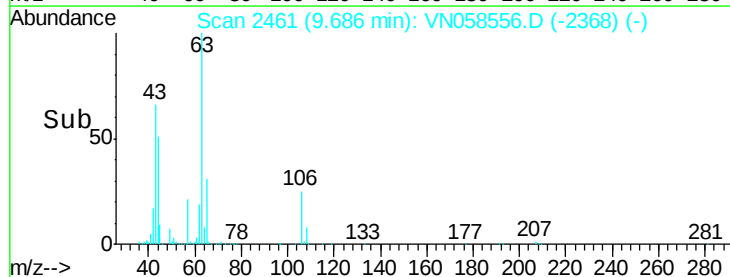
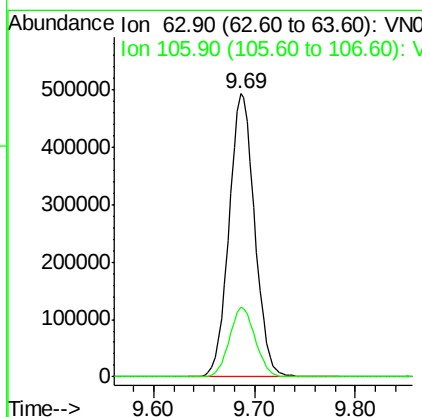
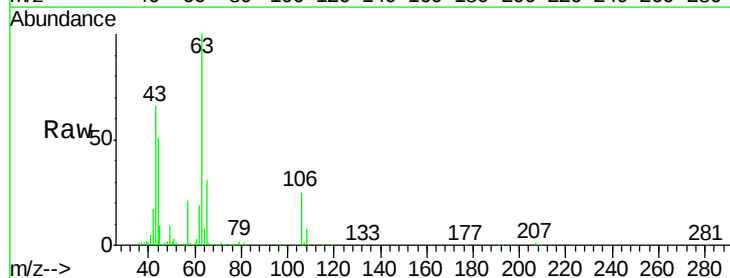
Instrument :
 MSVOA_N
 ClientSampled :

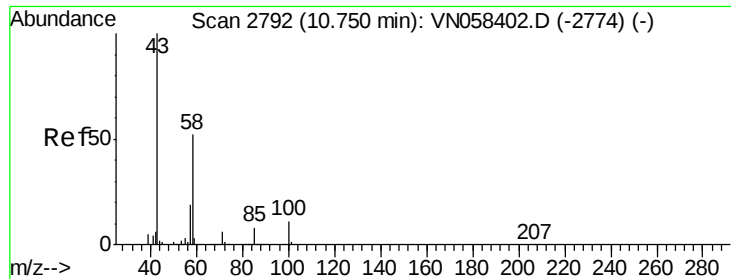
Tot Ion: 76 Resp: 405265
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 347.086 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion: 63 Resp: 873063
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.3 30.5

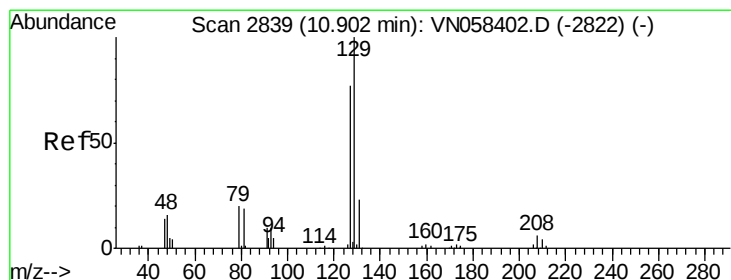
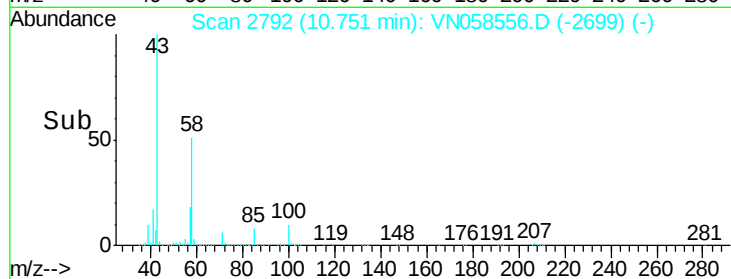
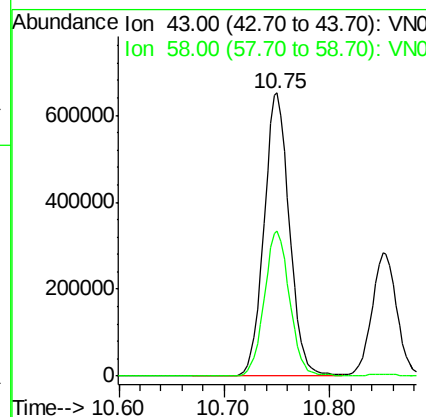
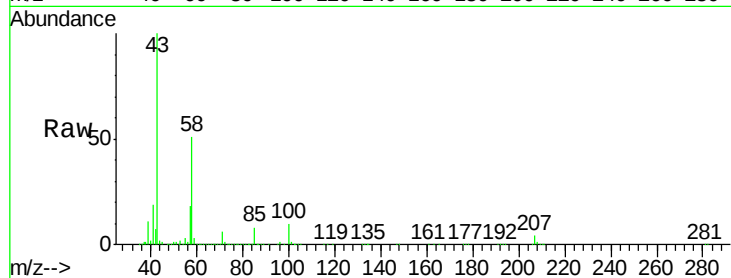




#59
2-Hexanone
Concen: 290.482 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

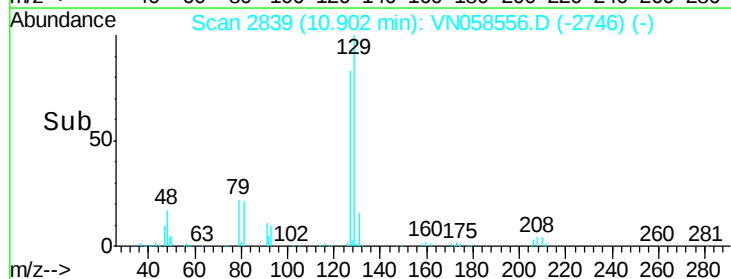
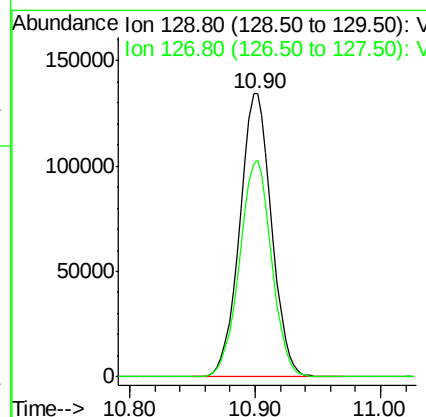
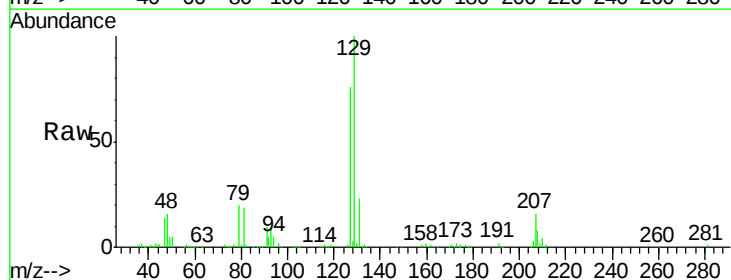
Instrument :
MSVOA_N
ClientSampleId :

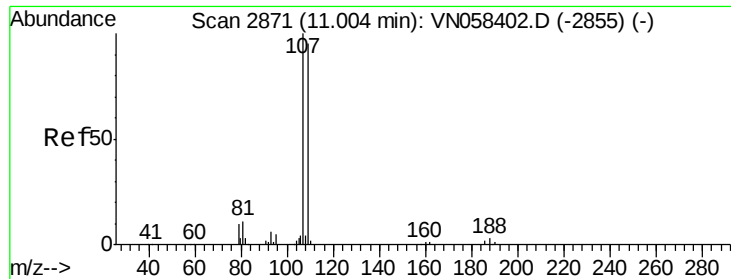
Tot Ion: 43 Resp: 1093099
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 54.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 129 Resp: 236336
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 54.584 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

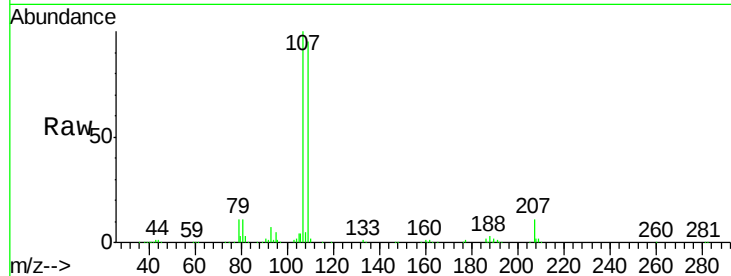
ClientSampled :

Tot Ion: 107 Resp: 231869

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

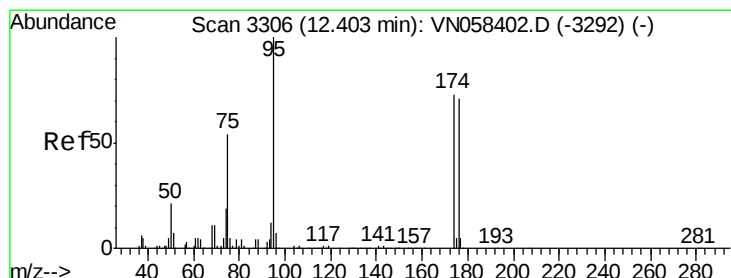
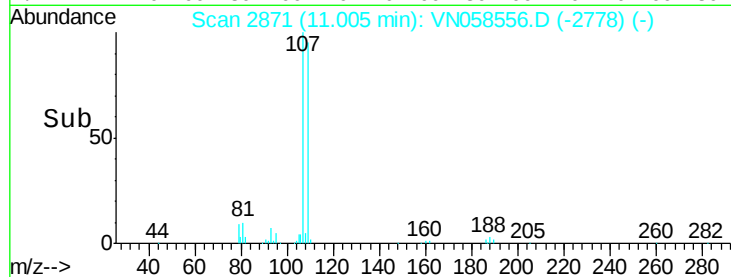
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.938 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

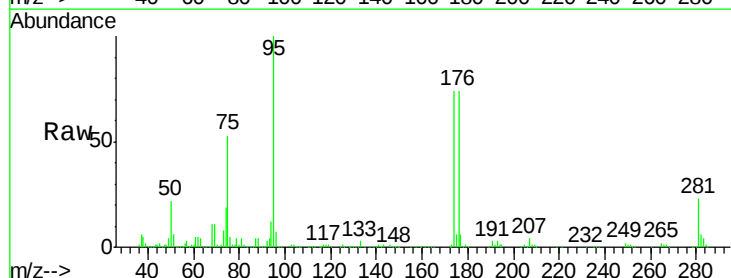
Tgt Ion: 95 Resp: 297569

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.6

176 74.3 0.0 146.2



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

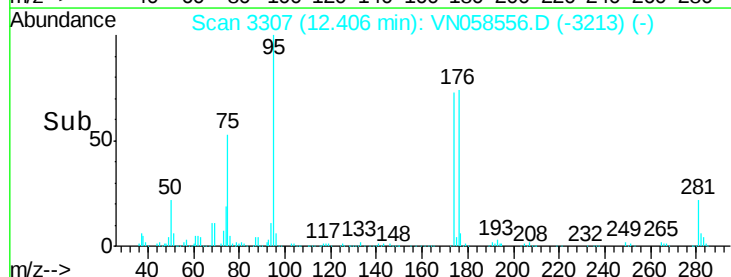
150000

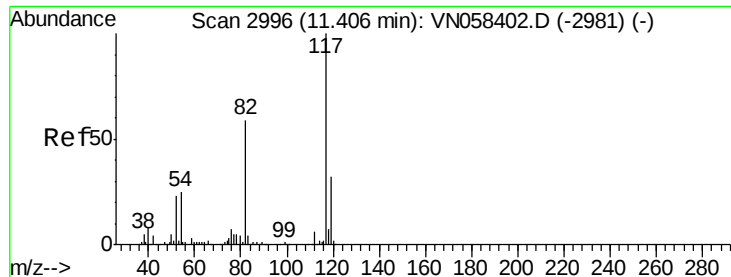
100000

50000

0

Time--> 12.35 12.40 12.45

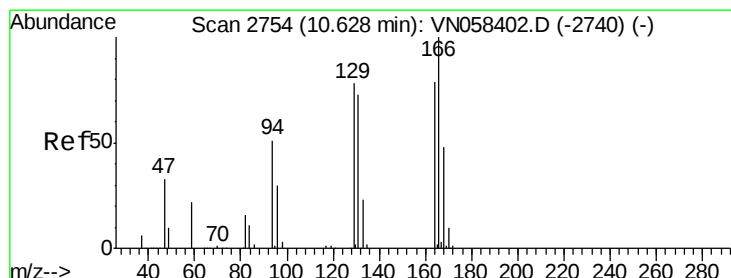
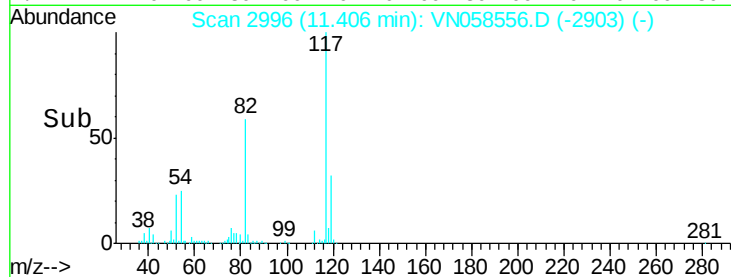
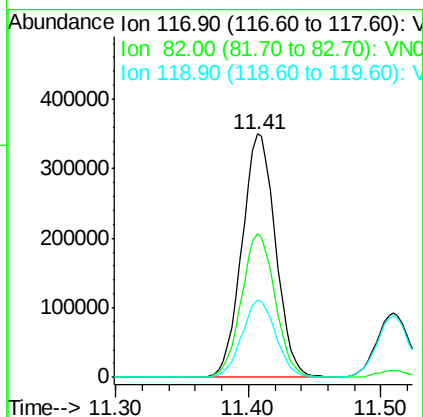
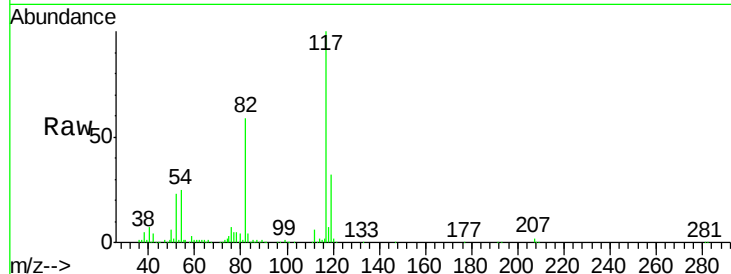




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

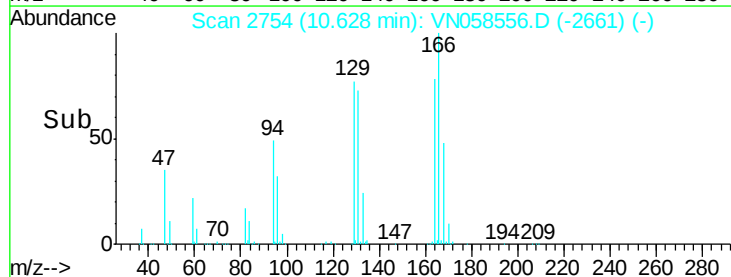
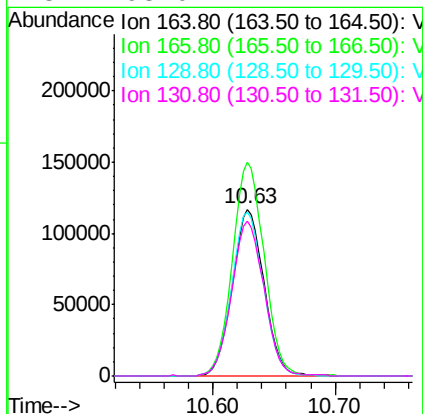
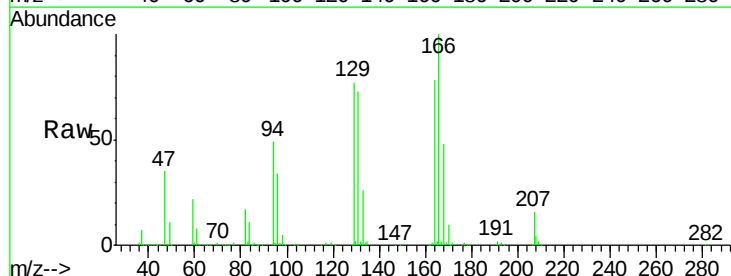
Instrument :
MSVOA_N
ClientSampleId :

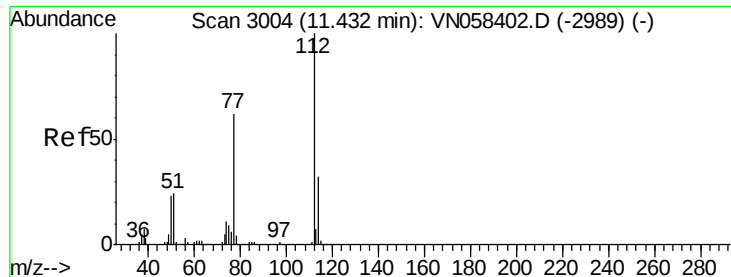
Tot Ion:117 Resp: 615230
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.0
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 53.956 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion:164 Resp: 210899
Ion Ratio Lower Upper
164 100
166 128.2 101.1 151.7
129 98.6 79.2 118.8
131 93.0 74.1 111.1





#65

Chlorobenzene

Concen: 50.731 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

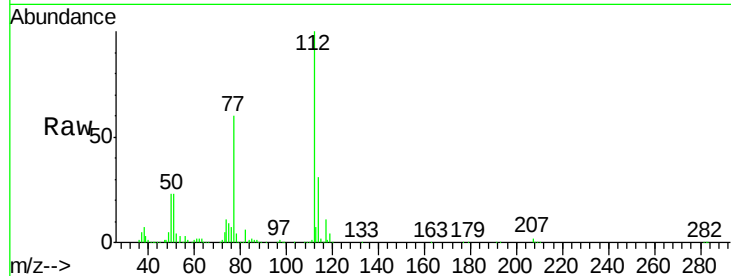
ClientSampled :

Tot Ion:112 Resp: 620412

Ion Ratio Lower Upper

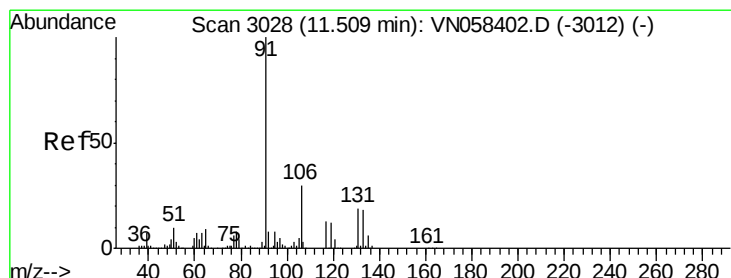
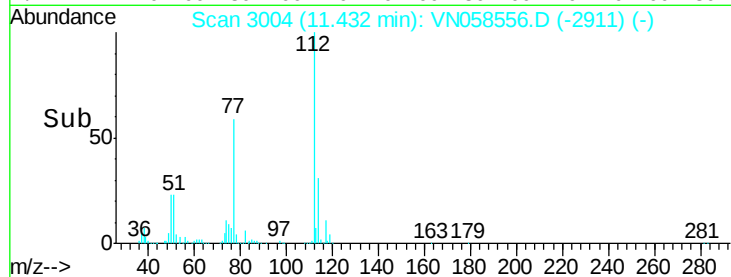
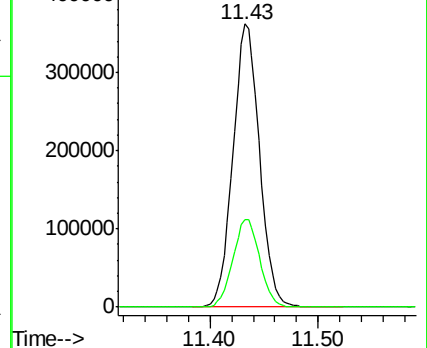
112 100

114 31.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.982 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

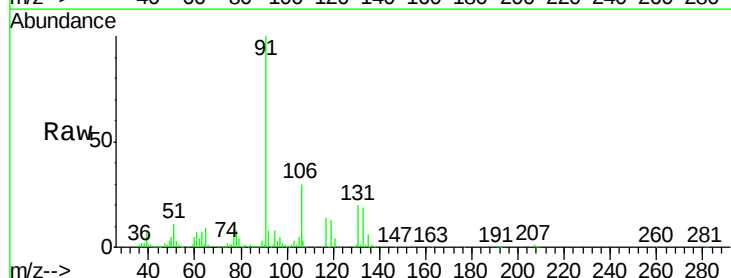
Tgt Ion:131 Resp: 230664

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

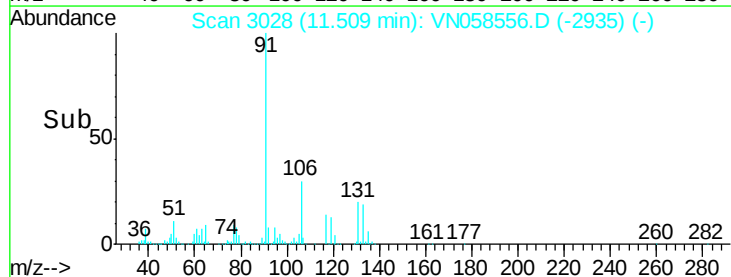
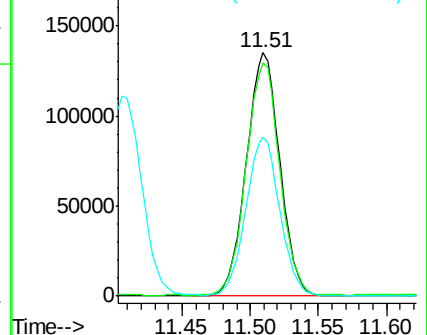
119 65.8 33.0 99.0

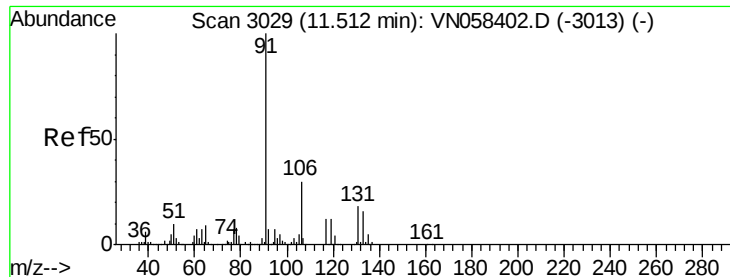


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.533 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

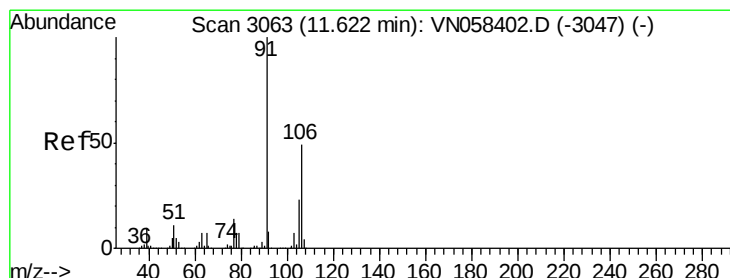
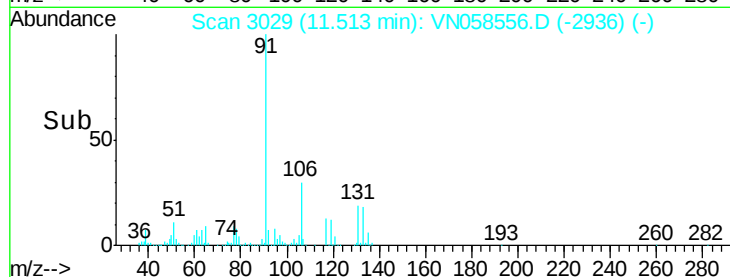
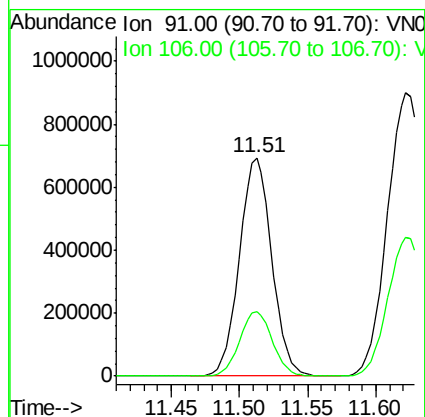
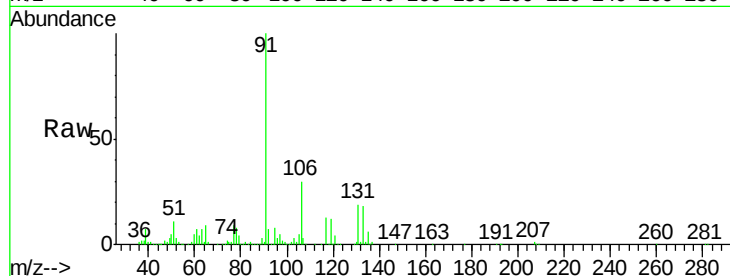
ClientSampled :

Tot Ion: 91 Resp: 1141495

Ion Ratio Lower Upper

91 100

106 29.8 24.3 36.5



#68

m/p-Xylenes

Concen: 100.911 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058556.D

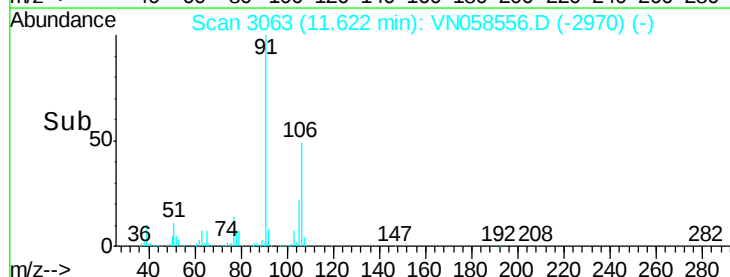
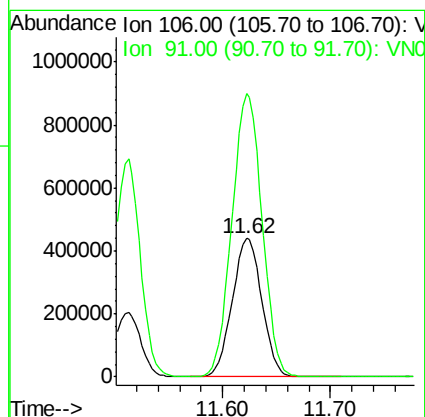
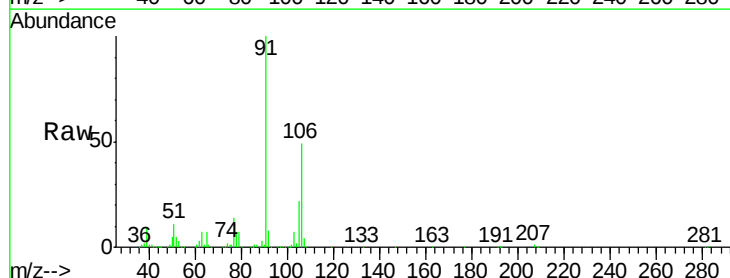
Acq: 4 Oct 2019 20:56

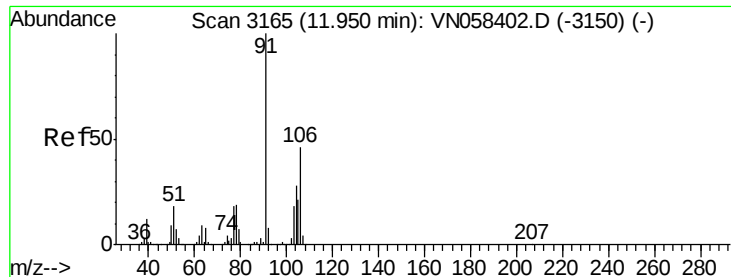
Tgt Ion: 106 Resp: 841003

Ion Ratio Lower Upper

106 100

91 207.9 165.0 247.4





#69

o-Xylene

Concen: 50.052 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

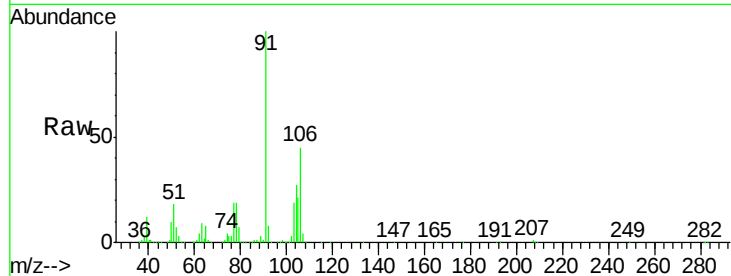
ClientSampled :

Tot Ion:106 Resp: 401550

Ion Ratio Lower Upper

106 100

91 221.9 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

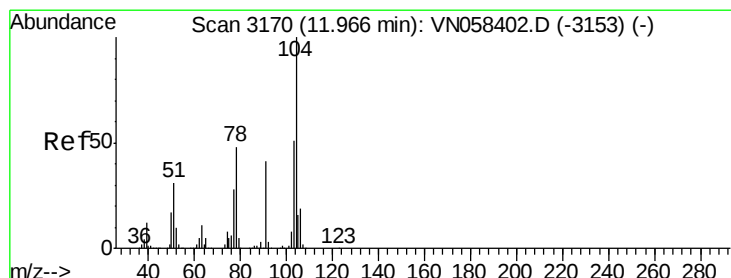
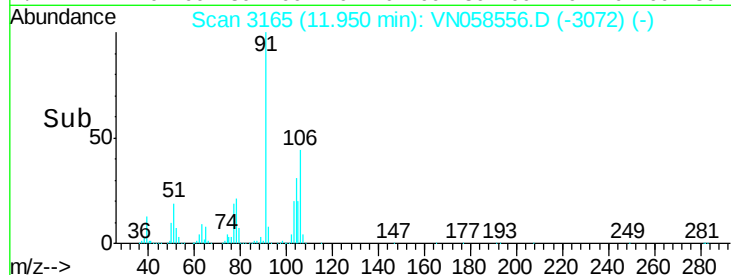
100000

0

11.90

12.00

Time-->



#70

Styrene

Concen: 52.929 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

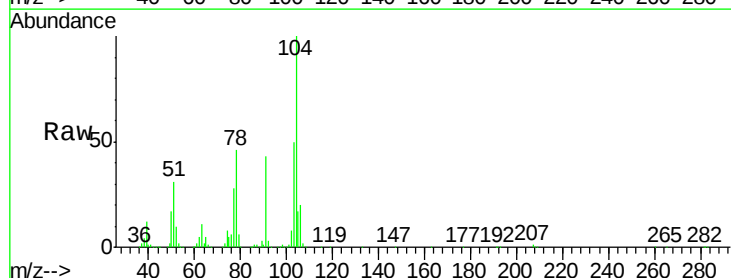
Tgt Ion:104 Resp: 689847

Ion Ratio Lower Upper

104 100

78 52.1 42.8 64.2

103 55.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

200000

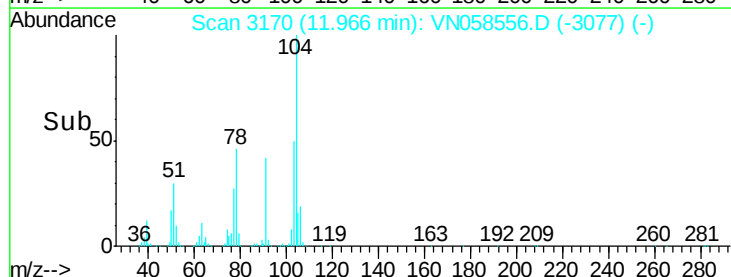
100000

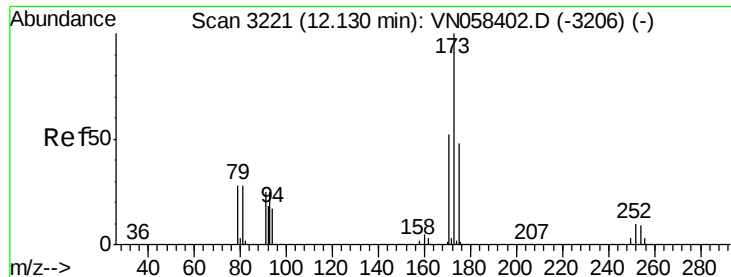
0

11.90

12.00

Time-->





#71

Bromoform

Concen: 52.727 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

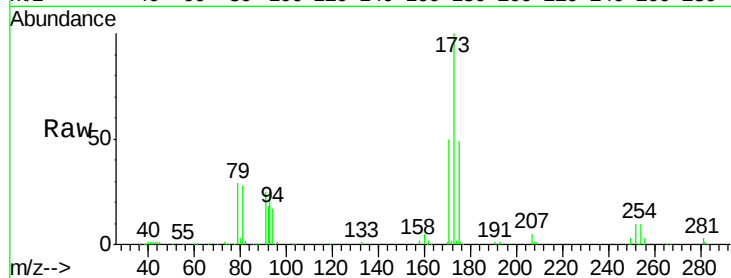
Tot Ion:173 Resp: 150246

Ion Ratio Lower Upper

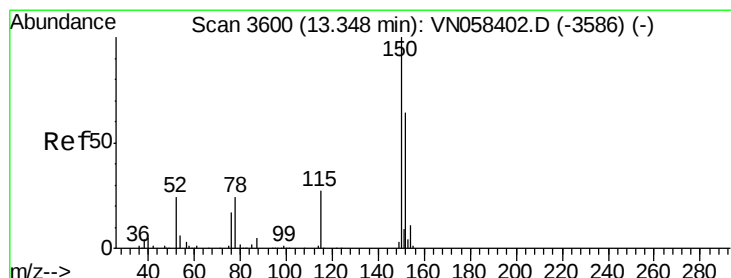
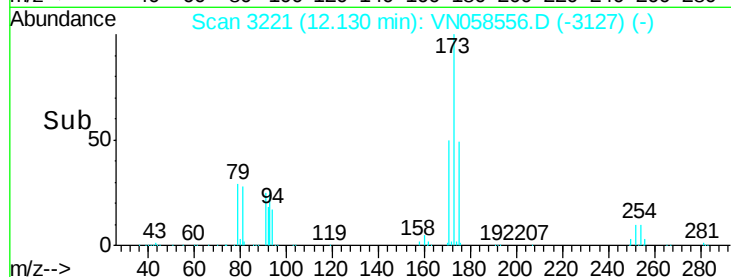
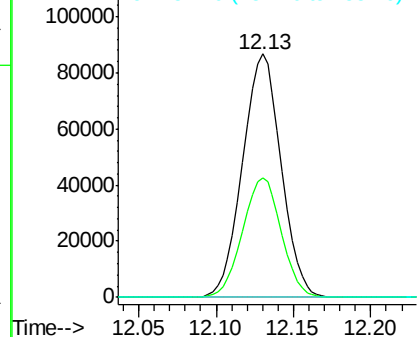
173 100

175 49.2 24.3 73.0

254 0.1 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# 3600

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

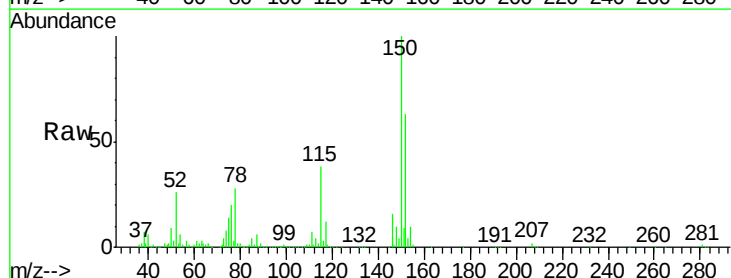
Tgt Ion:152 Resp: 303941

Ion Ratio Lower Upper

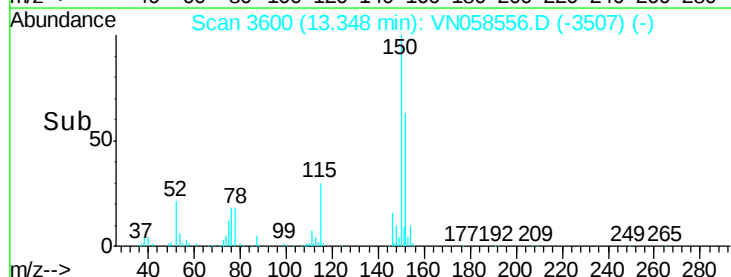
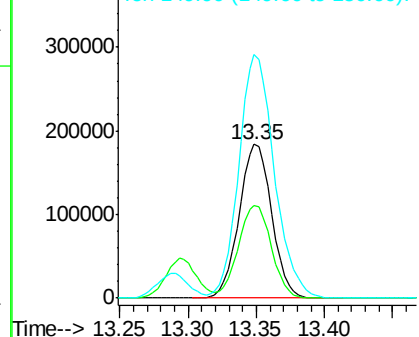
152 100

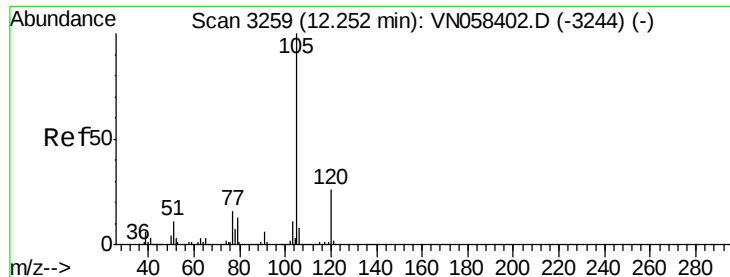
115 60.8 30.0 90.0

150 172.6 0.0 348.2



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





#73

Isopropylbenzene

Concen: 49.334 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

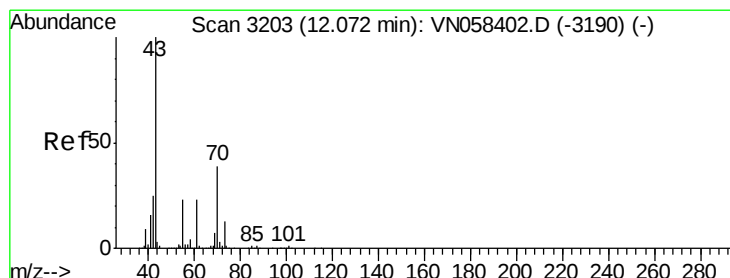
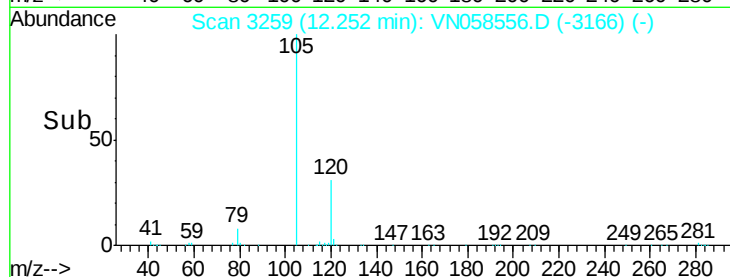
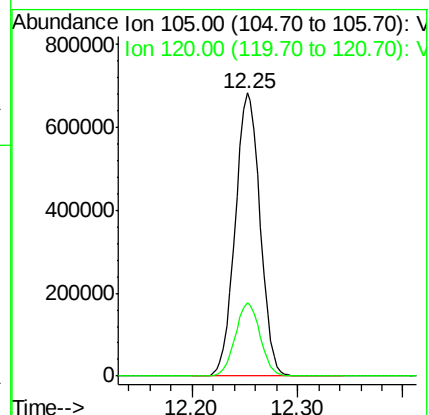
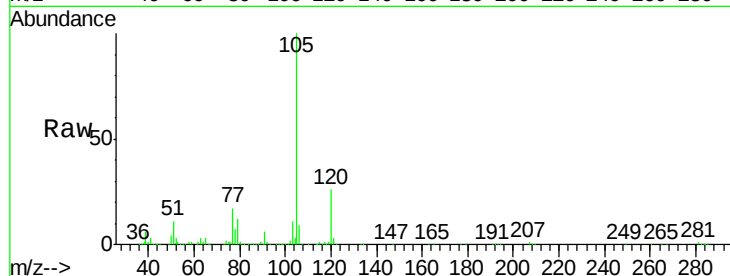
ClientSampleId :

Tot Ion:105 Resp: 1108129

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 53.663 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion: 43 Resp: 479537

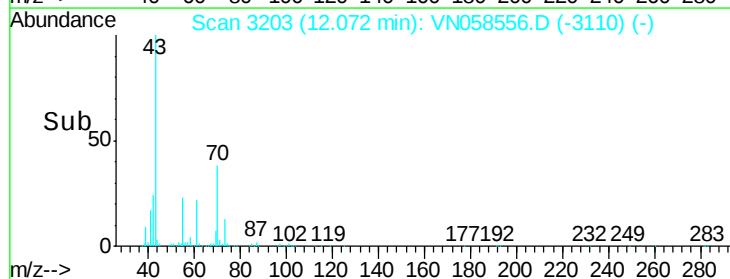
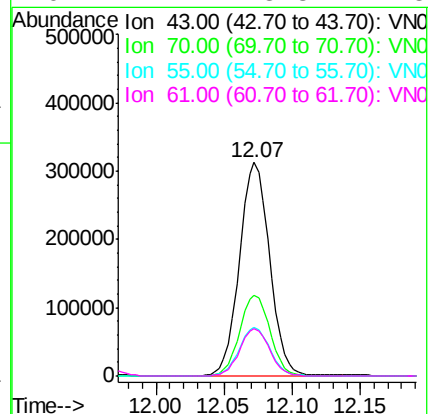
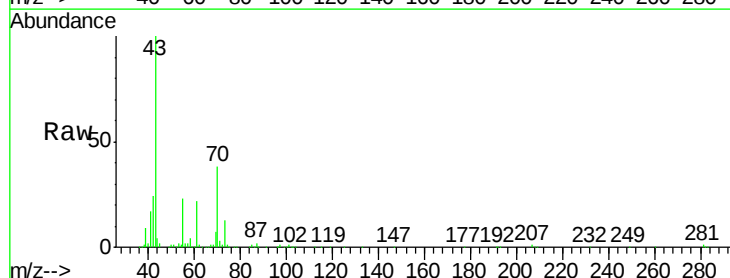
Ion Ratio Lower Upper

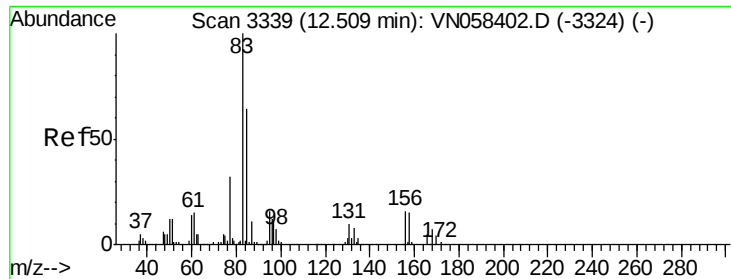
43 100

70 38.3 31.4 47.2

55 23.5 18.2 27.4

61 22.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.262 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

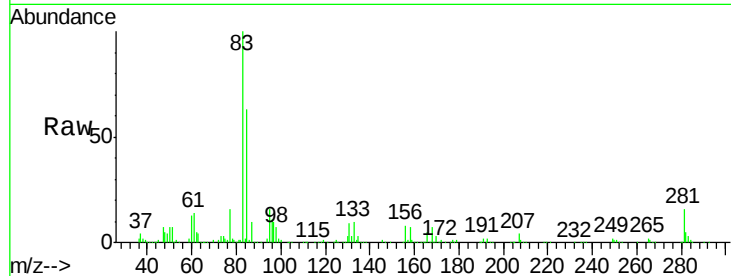
Tot Ion: 83 Resp: 340485

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

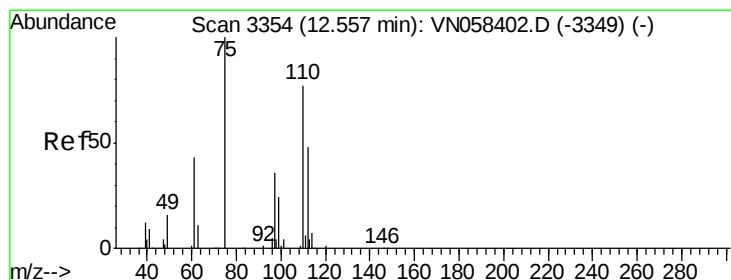
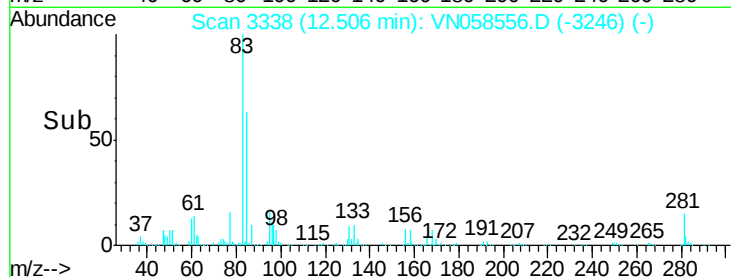
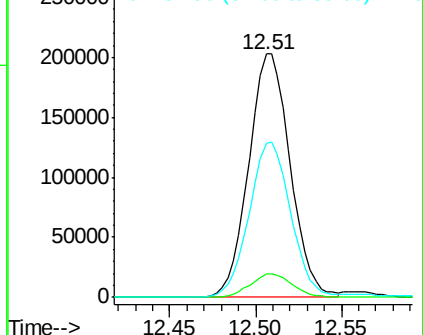
85 63.7 32.0 96.0



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: 78.024 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058556.D

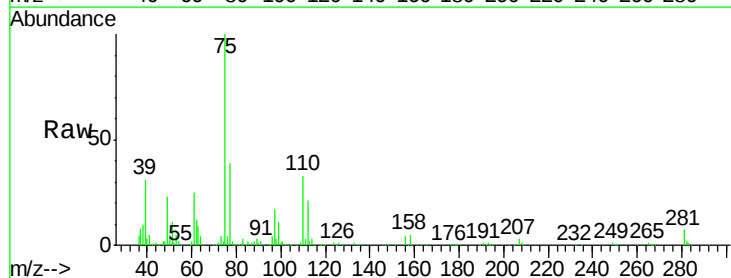
Acq: 4 Oct 2019 20:56

Tgt Ion: 75 Resp: 433149

Ion Ratio Lower Upper

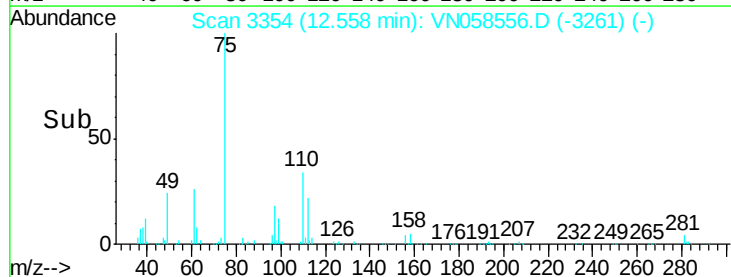
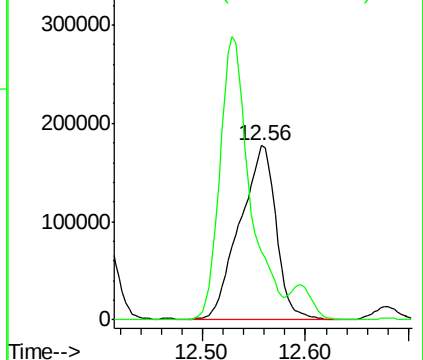
75 100

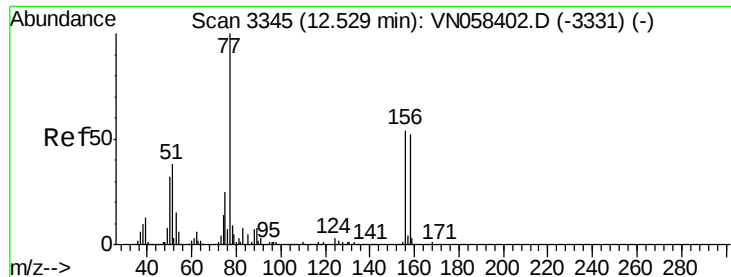
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.946 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

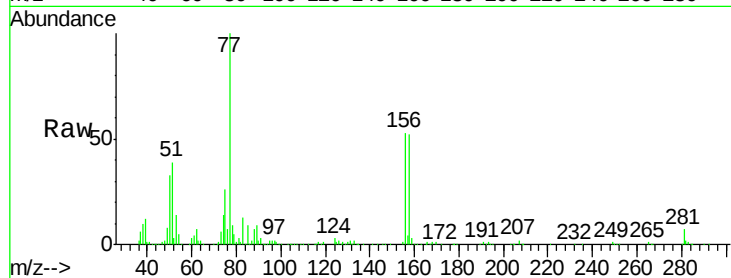
Tot Ion:156 Resp: 257790

Ion Ratio Lower Upper

156 100

77 226.9 110.0 330.0

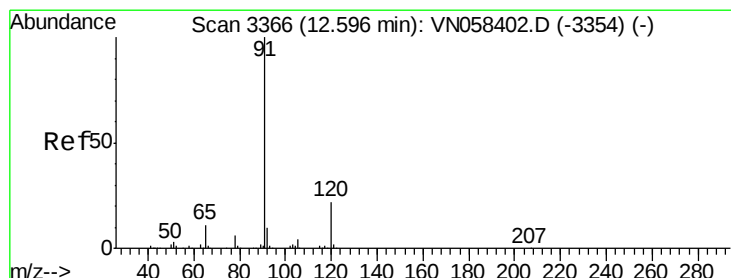
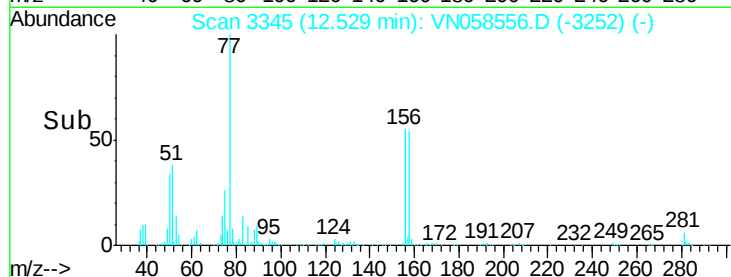
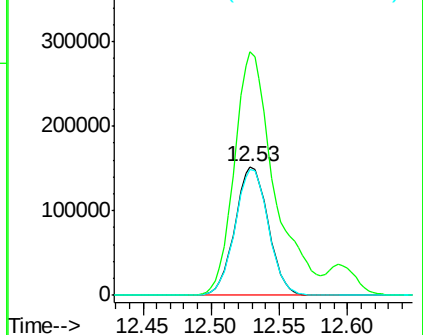
158 98.1 47.9 143.8



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: 51.758 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058556.D

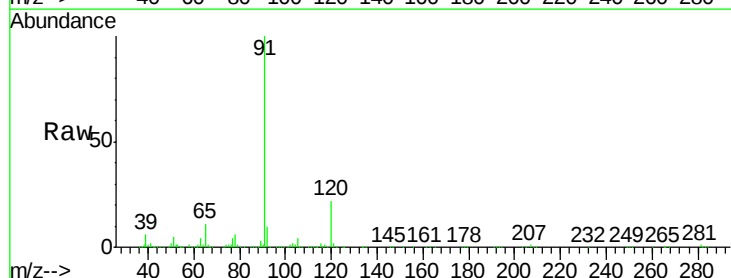
Acq: 4 Oct 2019 20:56

Tgt Ion: 91 Resp: 1309778

Ion Ratio Lower Upper

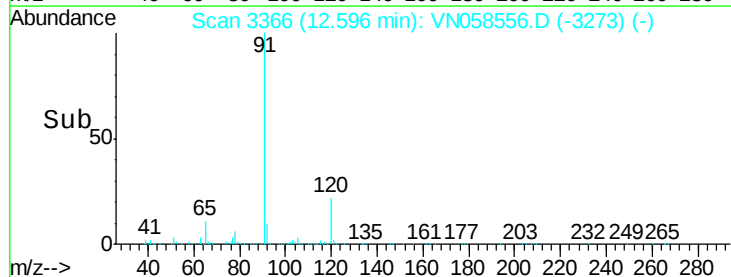
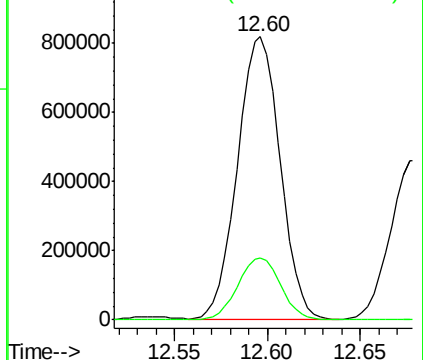
91 100

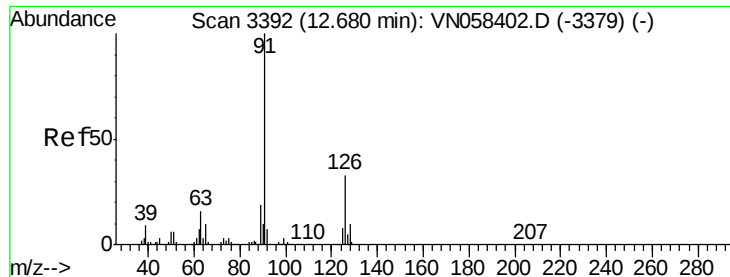
120 22.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.283 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

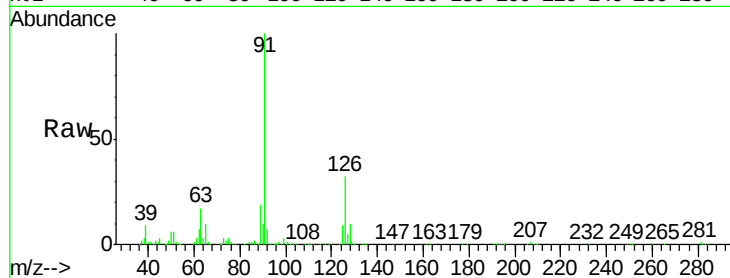
ClientSampled :

Tot Ion: 91 Resp: 769787

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

800000

600000

400000

200000

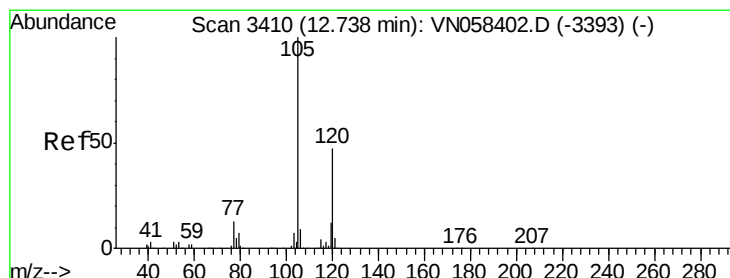
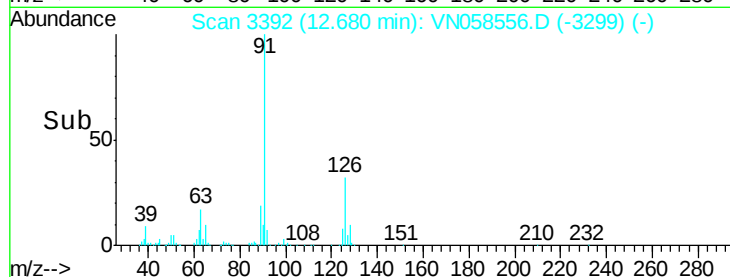
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.687 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058556.D

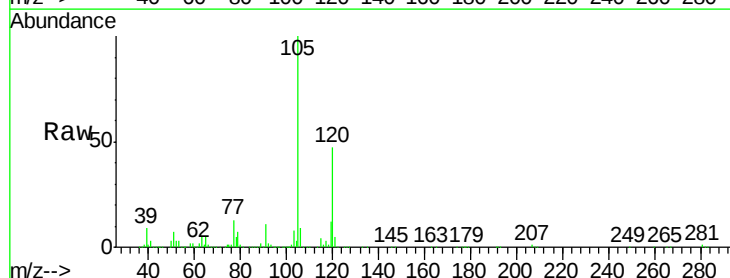
Acq: 4 Oct 2019 20:56

Tgt Ion: 105 Resp: 953070

Ion Ratio Lower Upper

105 100

120 47.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)

600000

400000

200000

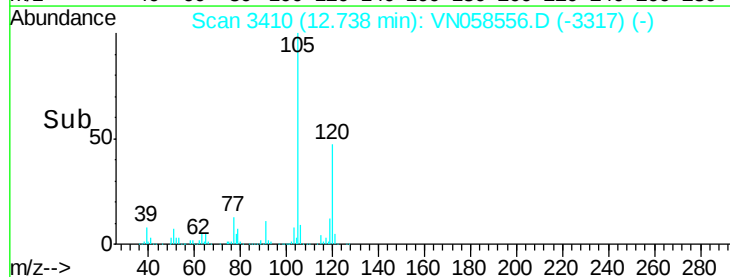
0

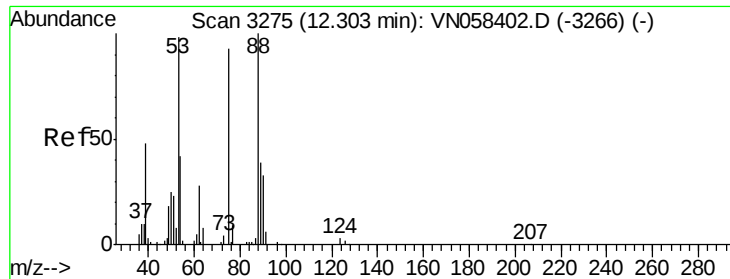
12.70

12.74

12.80

Time-->

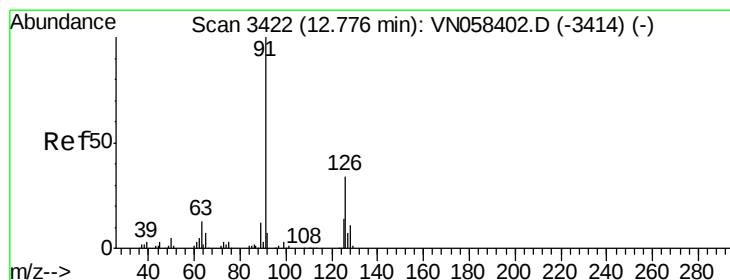
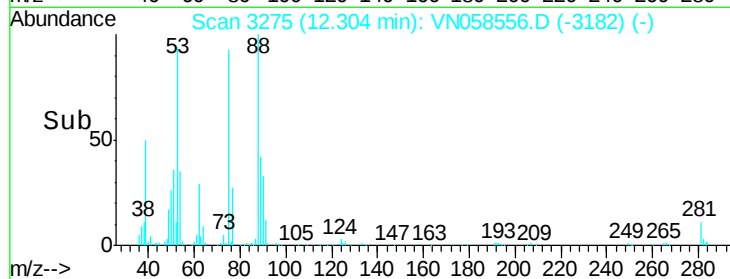
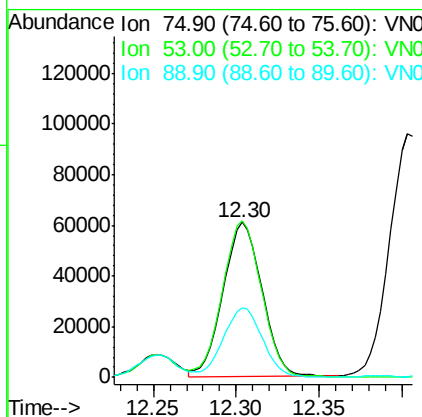
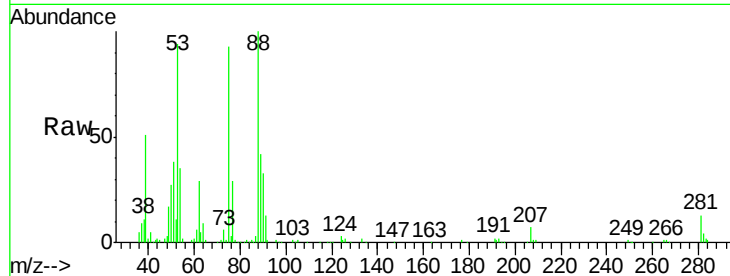




#81
trans-1,4-Dichloro-2-butene
Concen: 54.122 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

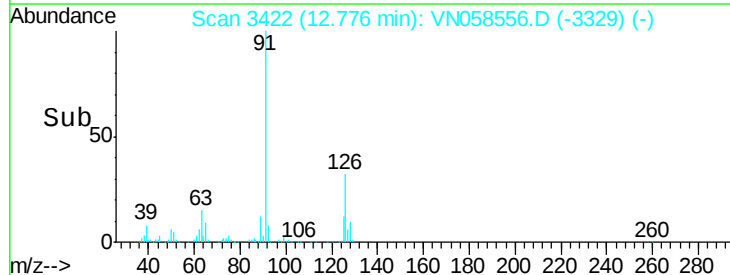
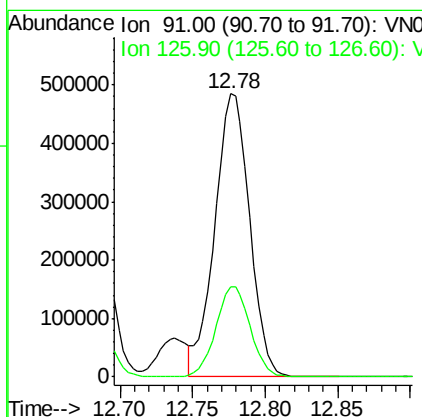
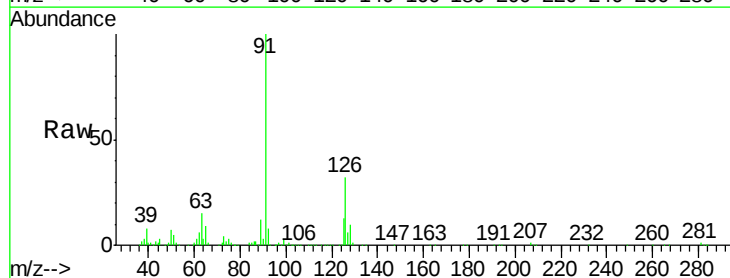
Instrument :
MSVOA_N
ClientSampled :

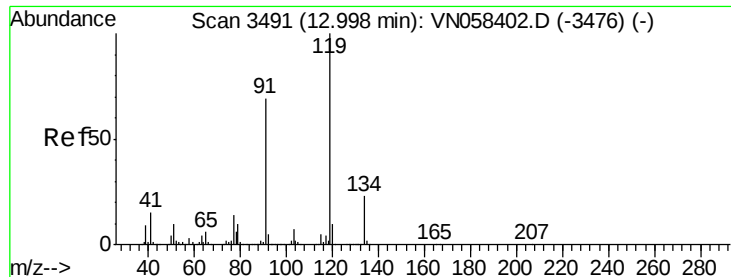
Tot Ion: 75 Resp: 98929
Ion Ratio Lower Upper
75 100
53 103.3 85.4 128.0
89 45.5 35.0 52.4



#82
4-Chlorotoluene
Concen: 50.666 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 91 Resp: 807527
Ion Ratio Lower Upper
91 100
126 31.3 15.9 47.7





#83

tert-Butylbenzene

Concen: 49.949 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

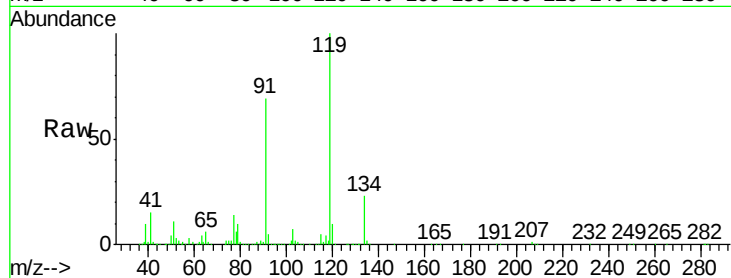
Tot Ion:119 Resp: 792510

Ion Ratio Lower Upper

119 100

91 68.2 34.2 102.6

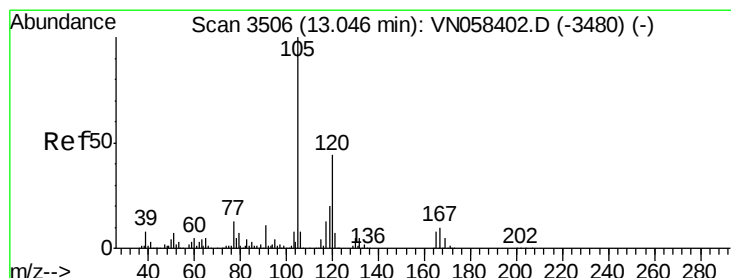
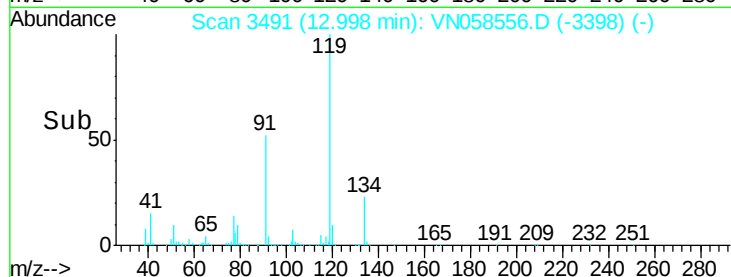
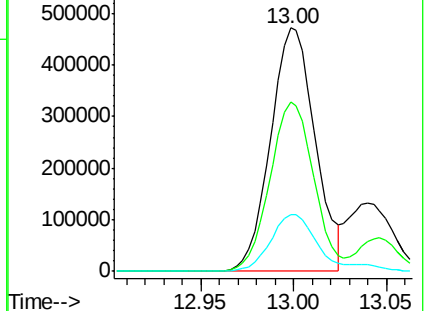
134 23.8 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.224 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058556.D

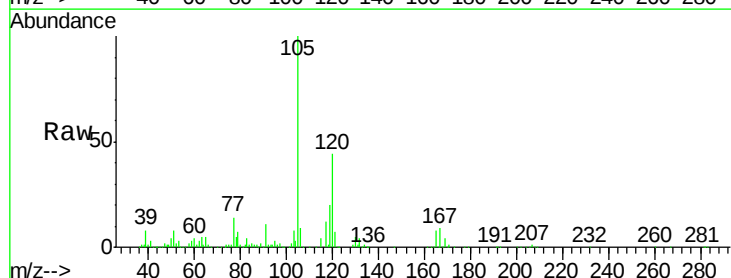
Acq: 4 Oct 2019 20:56

Tgt Ion:105 Resp: 946156

Ion Ratio Lower Upper

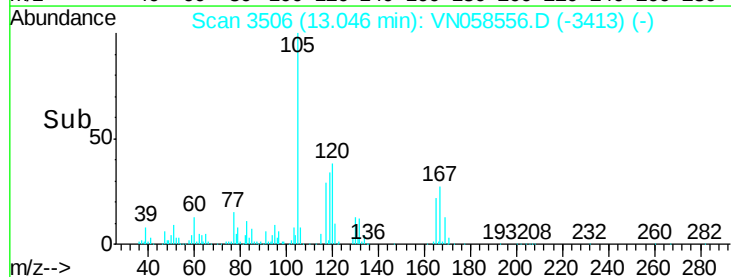
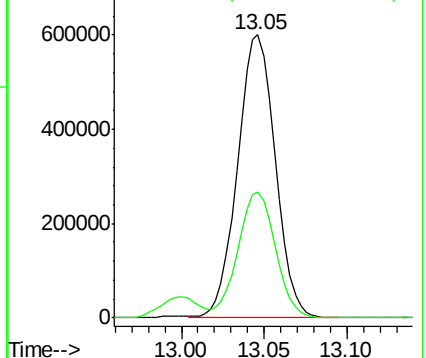
105 100

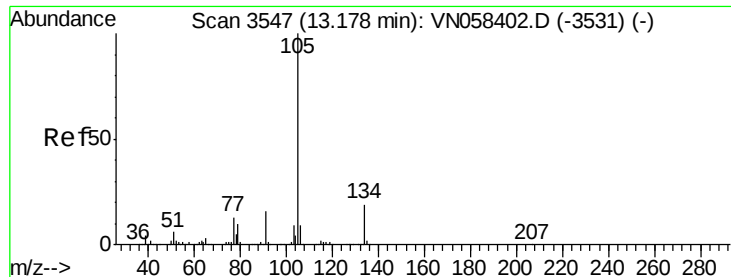
120 44.3 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.135 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

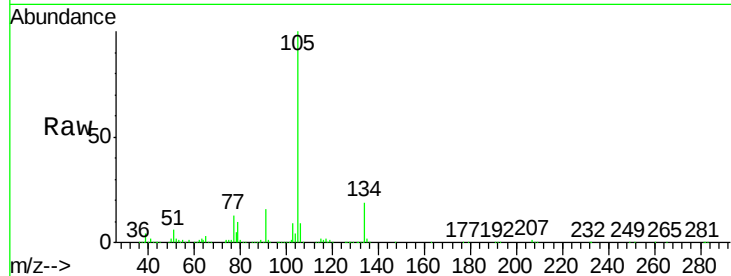
ClientSampleId :

Tot Ion:105 Resp: 1088739

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

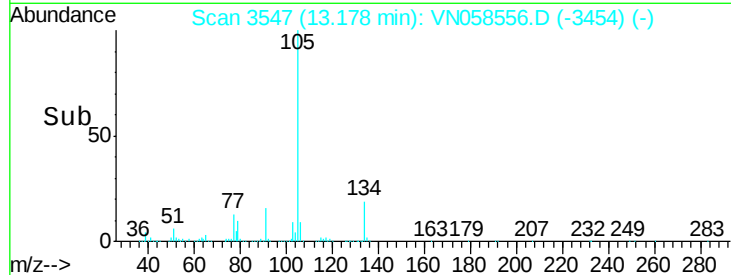
600000

400000

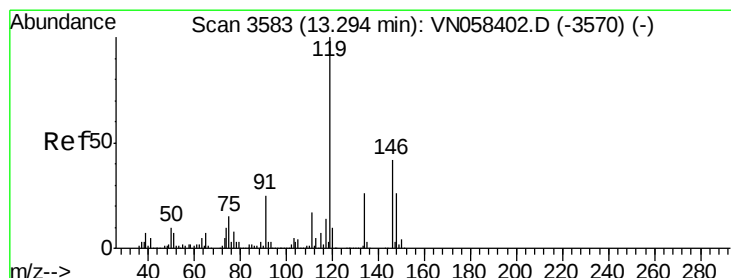
200000

0

13.10 13.15 13.20 13.25



Time-->



#86

p-Isopropyltoluene

Concen: 52.754 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

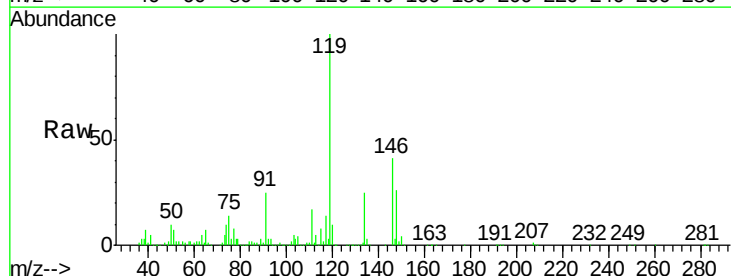
Tgt Ion:119 Resp: 969735

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.7 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

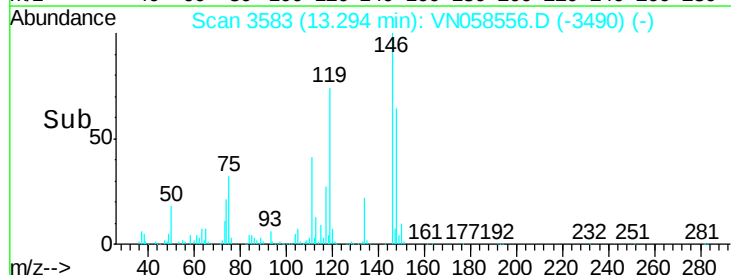
600000

400000

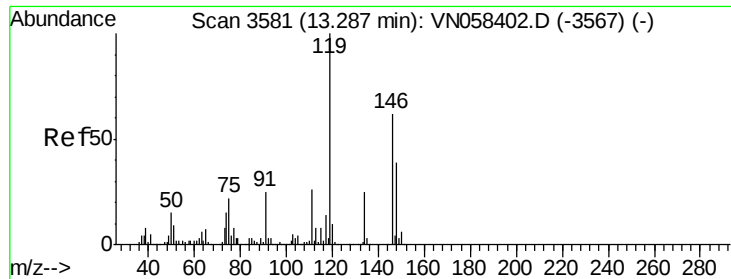
200000

0

13.20 13.25 13.30 13.35



Time-->



#87

1,3-Dichlorobenzene

Concen: 49.889 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058556.D

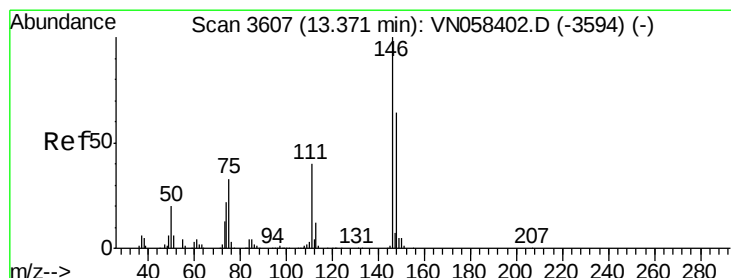
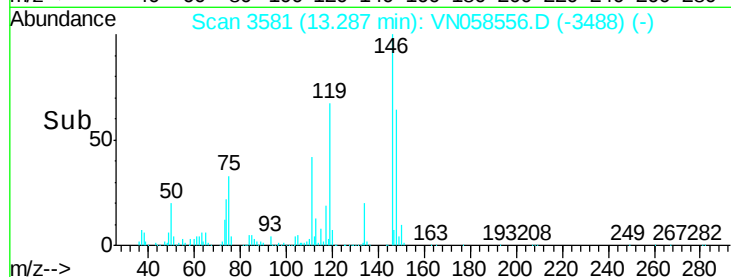
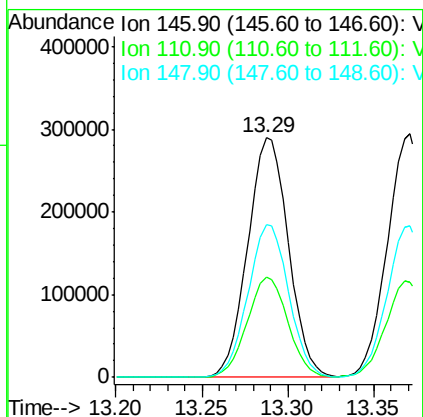
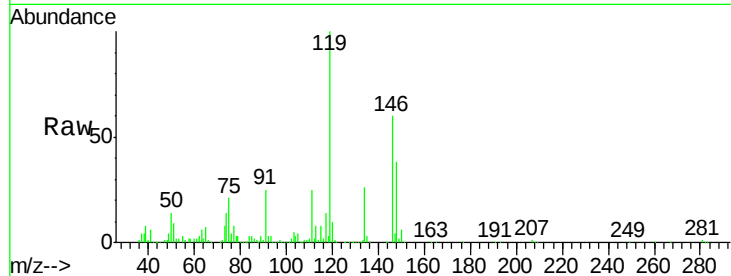
Acq: 4 Oct 2019 20:56

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	476450
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.4
148	63.7	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 50.010 ug/l

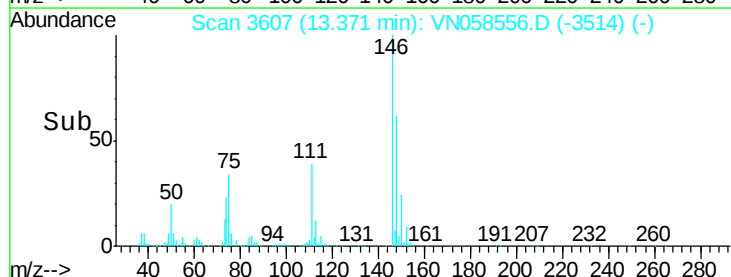
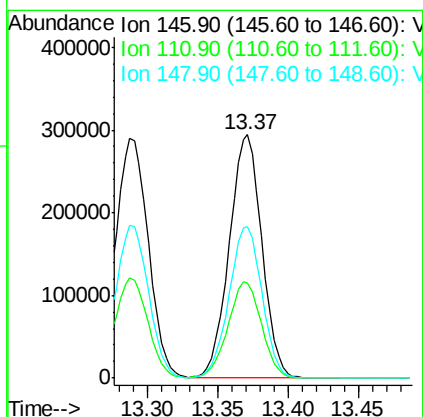
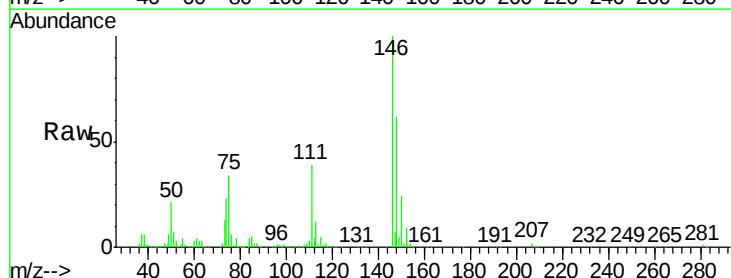
RT: 13.37 min Scan# 3607

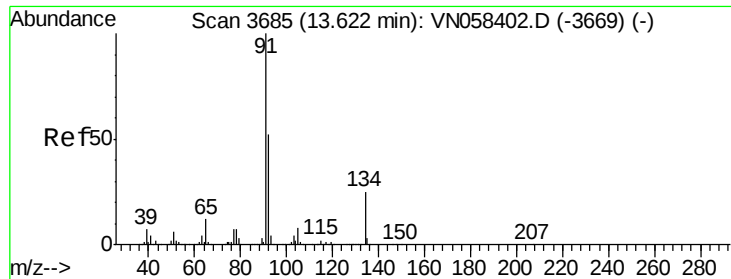
Delta R.T. 0.00 min

Lab File: VN058556.D

Acq: 4 Oct 2019 20:56

Tgt Ion:	146	Resp:	475181
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.0	31.5	94.5

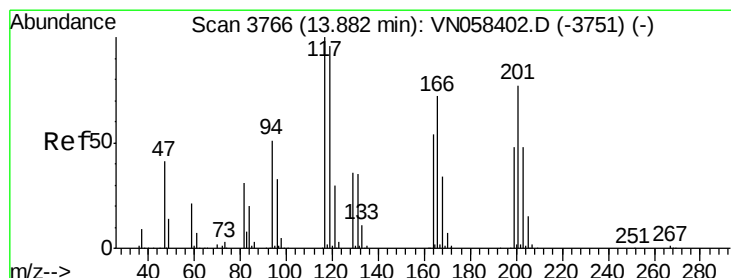
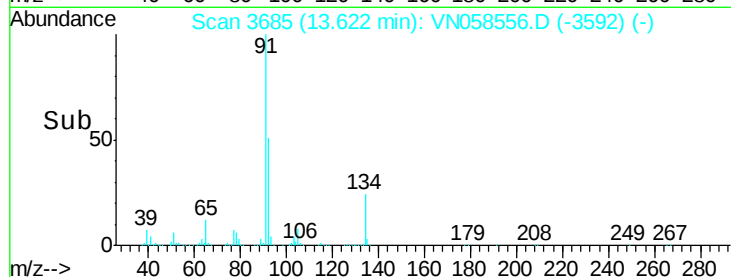
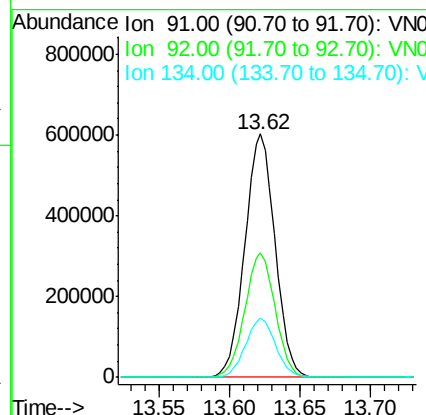
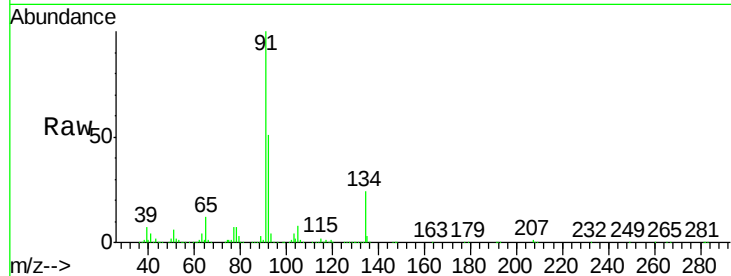




#89
n-Butylbenzene
Concen: 54.254 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

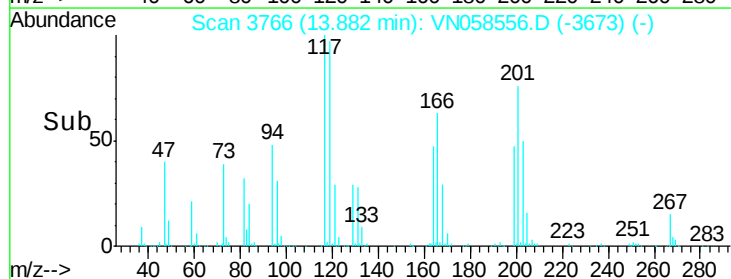
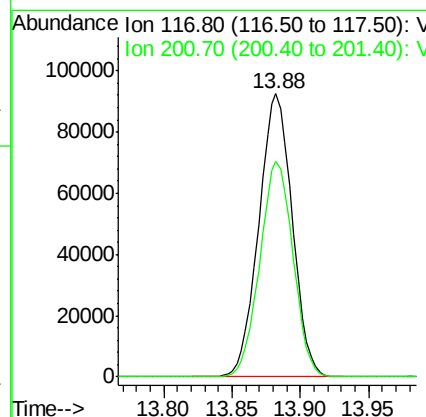
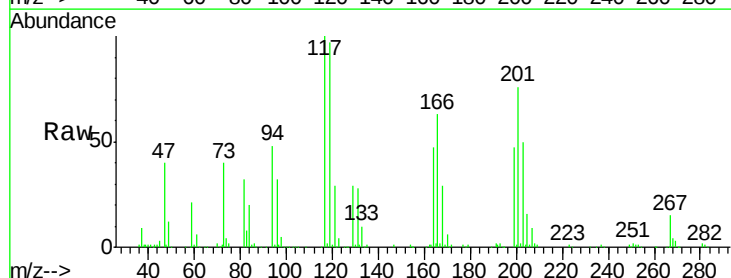
Instrument :
MSVOA_N
ClientSampleId :

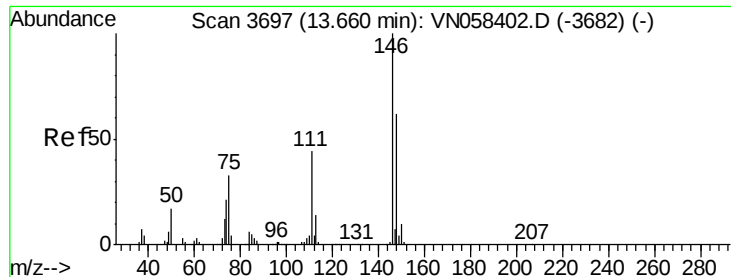
Tot Ion: 91 Resp: 903404
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.1
134 24.3 12.2 36.6



#90
Hexachloroethane
Concen: 56.911 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion: 117 Resp: 157181
Ion Ratio Lower Upper
117 100
201 75.7 38.6 116.0

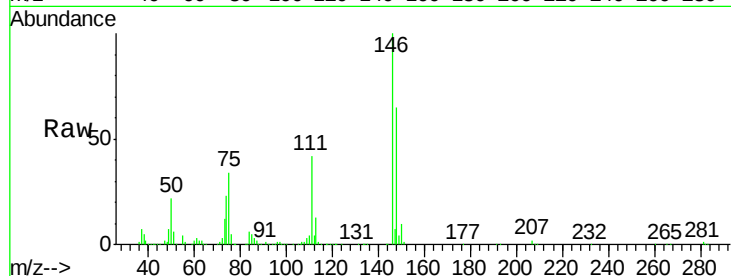




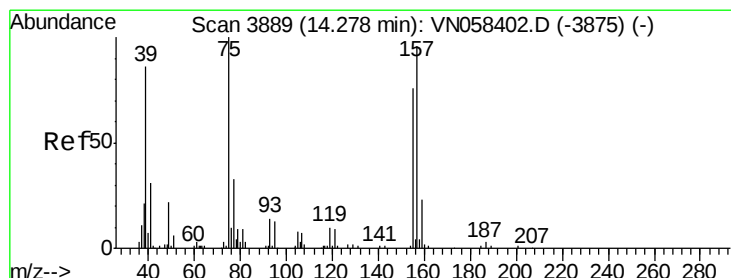
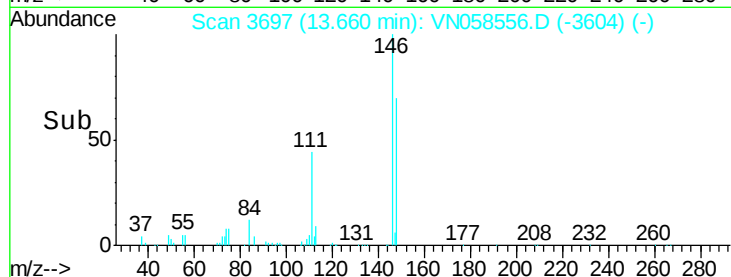
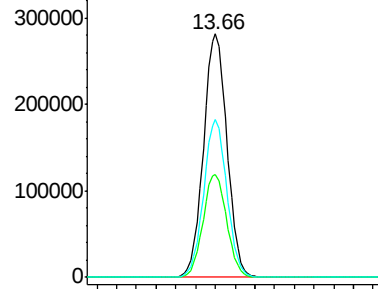
#91
 1,2-Dichlorobenzene
 Concen: 50.994 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.1	31.5	94.5

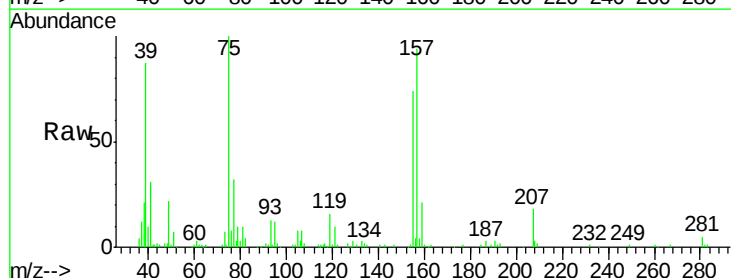


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

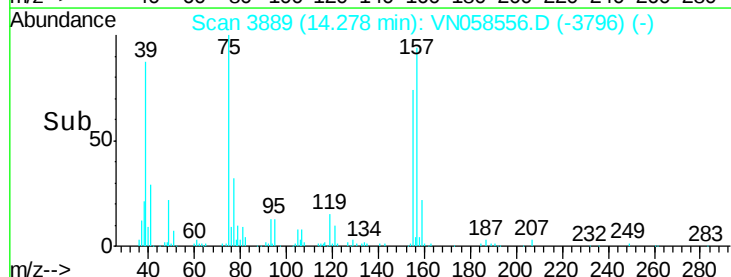
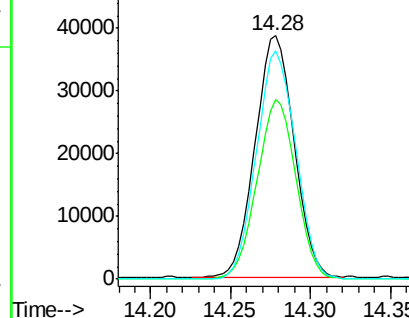


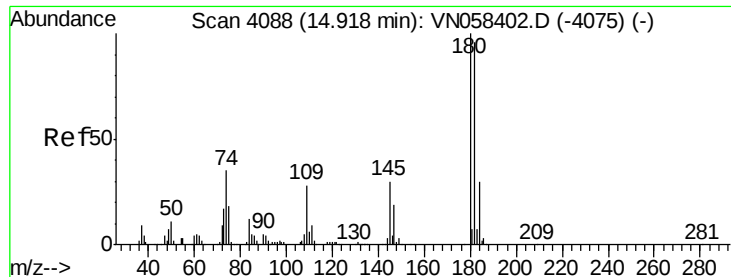
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.145 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	39.2	117.6
157	95.4	48.7	146.1



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

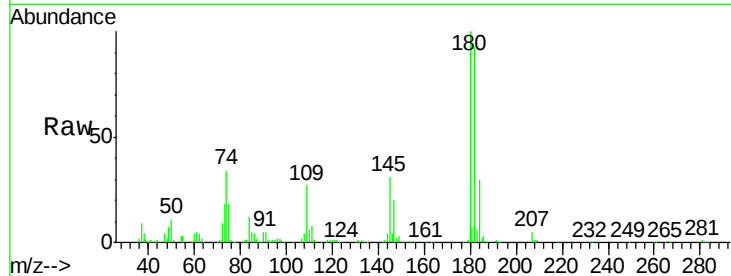




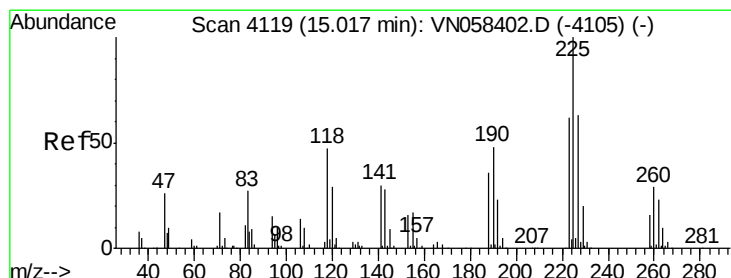
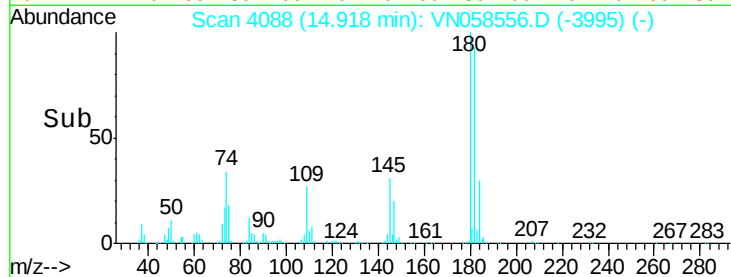
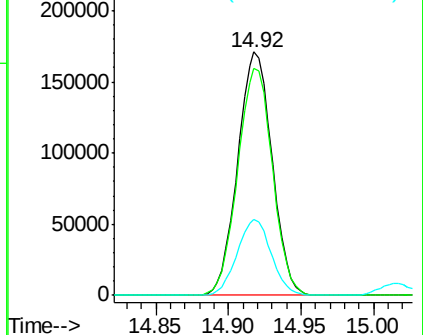
#93
 1,2,4-Trichlorobenzene
 Concen: 55.638 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.3
145	30.9	15.3	45.9

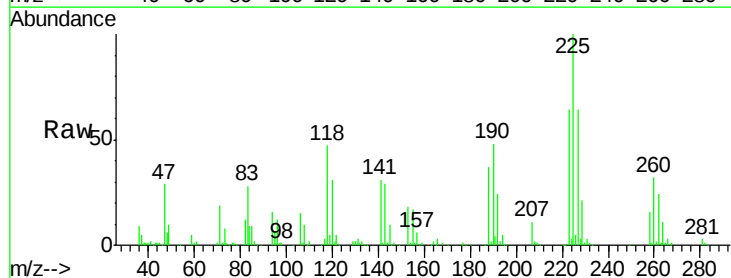


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

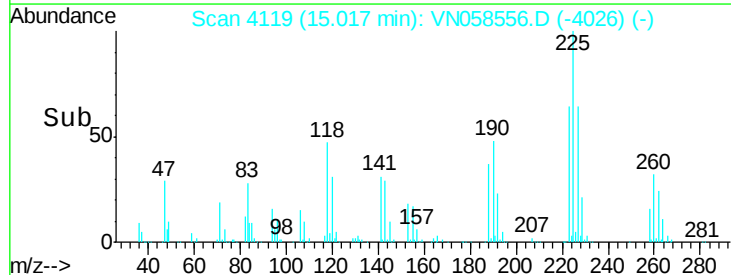
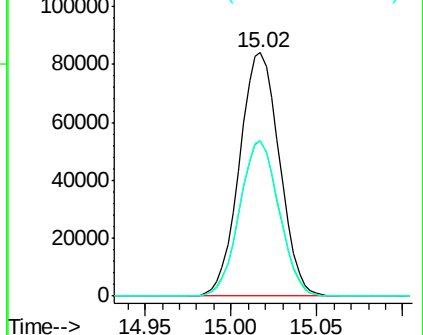


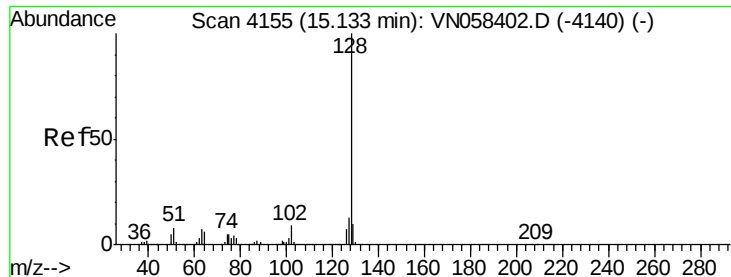
#94
 Hexachlorobutadiene
 Concen: 52.130 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058556.D
 Acq: 4 Oct 2019 20:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.5
227	63.4	31.4	94.2



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

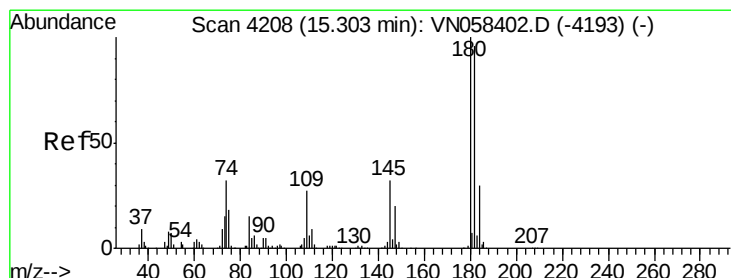
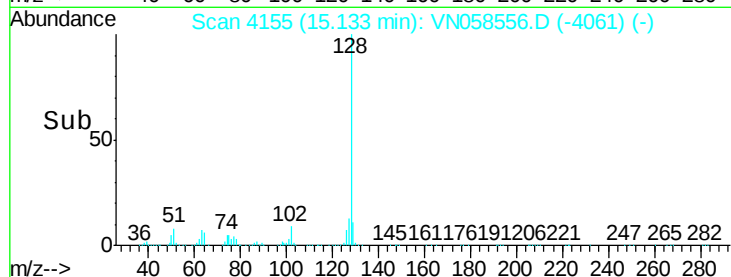
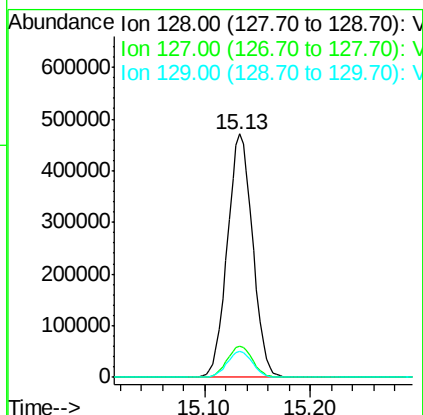
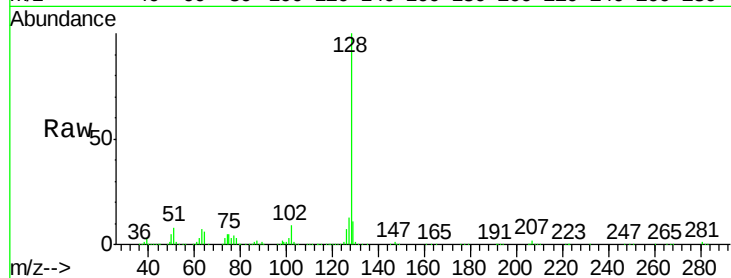




#95
Naphthalene
Concen: 52.260 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 776017
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 52.123 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058556.D
Acq: 4 Oct 2019 20:56

Tgt Ion:180 Resp: 264973
Ion Ratio Lower Upper
180 100
182 94.1 48.3 144.9
145 32.7 16.1 48.3

