

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059095.D
 Acq On : 6 Nov 2019 10:01
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 07 03:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	501883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	780819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	716666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	294155	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
35) Dibromofluoromethane	7.57	113	226969	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	10.08	98	902428	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.40	95	322433	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	242739	45.081	ug/l	100
3) Chloromethane	2.04	50	320526	43.937	ug/l	100
4) Vinyl Chloride	2.17	62	318466	44.914	ug/l	100
5) Bromomethane	2.54	94	182195	43.632	ug/l	100
6) Chloroethane	2.68	64	186343	42.914	ug/l	100
7) Trichlorofluoromethane	3.00	101	389838	46.151	ug/l	100
8) Diethyl Ether	3.39	74	158967	48.031	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	233068	46.764	ug/l	100
10) Methyl Iodide	3.93	142	298379	49.032	ug/l	100
11) Tert butyl alcohol	4.75	59	284191	232.279	ug/l	100
12) 1,1-Dichloroethene	3.71	96	227595	45.949	ug/l	100
13) Acrolein	3.58	56	146716	199.015	ug/l	100
14) Allyl chloride	4.30	41	461136	46.985	ug/l	100
15) Acrylonitrile	4.95	53	744559	241.661	ug/l	100
16) Acetone	3.79	43	854120	252.817	ug/l	100
17) Carbon Disulfide	4.03	76	679047	43.451	ug/l	100
18) Methyl Acetate	4.30	43	375258	44.100	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	804261	47.607	ug/l	100
20) Methylene Chloride	4.52	84	268292	45.641	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	244729	46.080	ug/l	100
22) Diisopropyl ether	5.92	45	909261	48.598	ug/l	100
23) Vinyl Acetate	5.87	43	3779296	254.237	ug/l	100
24) 1,1-Dichloroethane	5.82	63	496647	46.393	ug/l	100
25) 2-Butanone	6.81	43	1096182	245.355	ug/l	100
26) 2,2-Dichloropropane	6.80	77	421181	45.401	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	286934	47.801	ug/l	100
28) Bromochloromethane	7.17	49	146369	44.601	ug/l	100
29) Tetrahydrofuran	7.18	42	681197	241.800	ug/l	100
30) Chloroform	7.35	83	470814	46.017	ug/l	100
31) Cyclohexane	7.63	56	457129	44.961	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	407324	47.065	ug/l	100
36) 1,1-Dichloropropene	7.77	75	361775	46.851	ug/l	100
37) Ethyl Acetate	6.90	43	413563	48.136	ug/l	100
38) Carbon Tetrachloride	7.75	117	357171	47.411	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	432147	48.558	ug/l	100
40) Benzene	8.02	78	1096973	47.744	ug/l	100
41) Methacrylonitrile	7.18	41	589775	157.927	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	374817	46.944	ug/l	100
43) Isopropyl Acetate	8.14	43	647432	48.294	ug/l	100
44) Trichloroethene	8.82	130	268380	47.420	ug/l	100
45) 1,2-Dichloropropane	9.10	63	299141	48.094	ug/l	100
46) Dibromomethane	9.19	93	180552	47.026	ug/l	100
47) Bromodichloromethane	9.39	83	374995	48.136	ug/l	100
48) Methyl methacrylate	9.18	41	296739	48.518	ug/l	100
49) 1,4-Dioxane	9.18	88	102560	1034.799	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	2032714	260.258	ug/l	100
52) Toluene	10.14	92	660390	49.137	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	431211	48.002	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	467832	49.421	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	262193	47.717	ug/l	100
56) Ethyl methacrylate	10.42	69	422923	51.192	ug/l	100
57) 1,3-Dichloropropane	10.70	76	459518	48.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	849181	258.992	ug/l	100
59) 2-Hexanone	10.74	43	1568745	264.393	ug/l	100
60) Dibromochloromethane	10.90	129	284491	48.214	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269565	48.585	ug/l	100
64) Tetrachloroethene	10.62	164	234953	46.962	ug/l	100
65) Chlorobenzene	11.43	112	687797	46.929	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	258343	47.837	ug/l	100
67) Ethyl Benzene	11.51	91	1275362	50.286	ug/l	100
68) m/p-Xylenes	11.62	106	948516	100.008	ug/l	100
69) o-Xylene	11.95	106	450455	49.777	ug/l	100
70) Styrene	11.96	104	750794	51.294	ug/l	100
71) Bromoform	12.13	173	207103	49.603	ug/l	100
73) Isopropylbenzene	12.25	105	1225792	48.877	ug/l	100
74) N-amyl acetate	12.07	43	546903	49.272	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	406330	45.474	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	541616	67.823	ug/l #	100
77) Bromobenzene	12.53	156	297305	47.248	ug/l	100
78) n-propylbenzene	12.59	91	1446623	49.912	ug/l	100
79) 2-Chlorotoluene	12.67	91	848538	47.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1045854	49.036	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	146040	46.900	ug/l	100
82) 4-Chlorotoluene	12.77	91	878184	47.765	ug/l	100
83) tert-Butylbenzene	12.99	119	892640	49.126	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1031663	49.954	ug/l	100
85) sec-Butylbenzene	13.17	105	1197161	50.396	ug/l	100
86) p-Isopropyltoluene	13.29	119	1083318	50.638	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	521517	46.822	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	515125	46.805	ug/l	100
89) n-Butylbenzene	13.62	91	936975	50.440	ug/l	100
90) Hexachloroethane	13.88	117	196267	46.221	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	518417	46.659	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82324	42.733	ug/l	100

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration

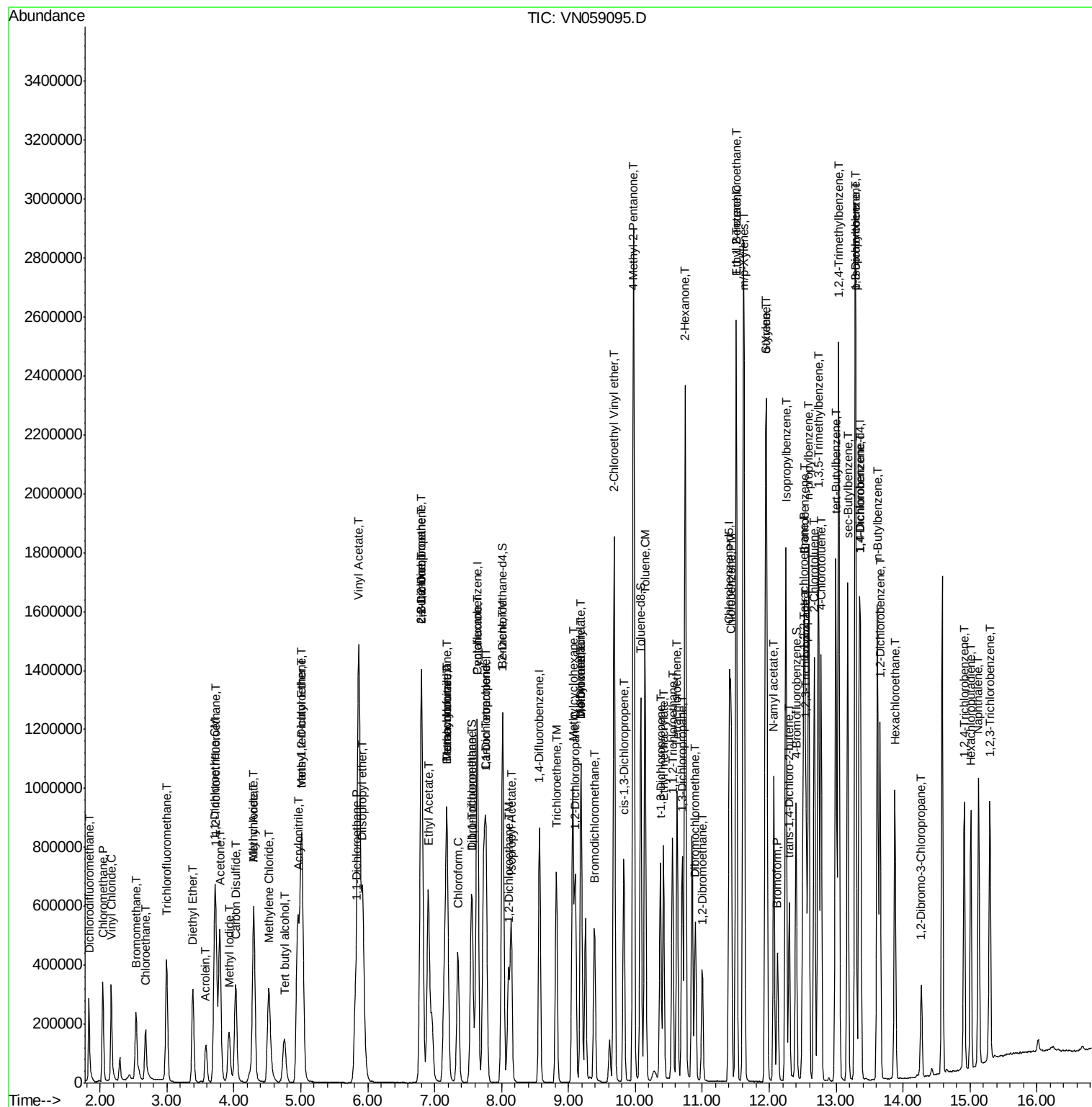
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	289176	48.536	ug/l	100
94) Hexachlorobutadiene	15.01	225	170199	47.280	ug/l	100
95) Naphthalene	15.13	128	790292	48.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	290100	47.611	ug/l	100

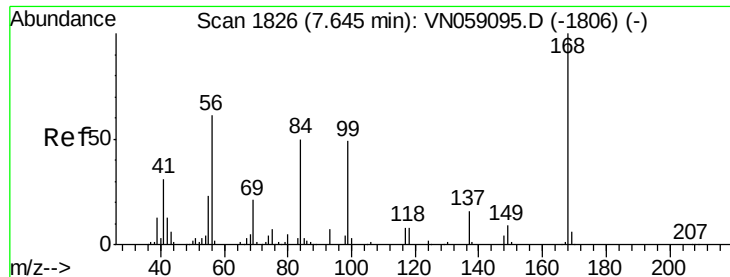
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110619\
Data File : VN059095.D
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 03:09:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

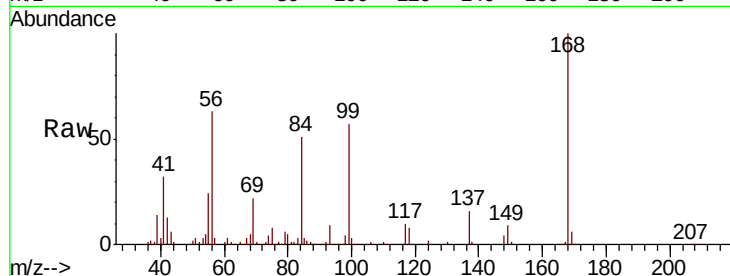
VSTDICCC050

Tot Ion:168 Resp: 501883

Ion Ratio Lower Upper

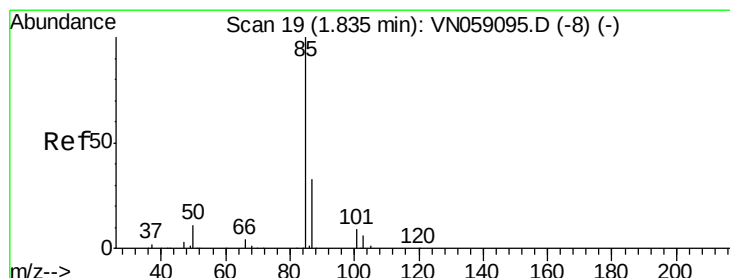
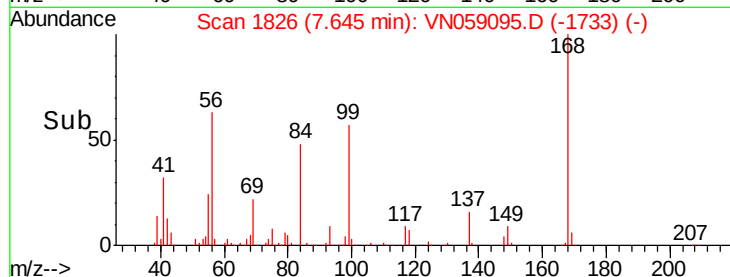
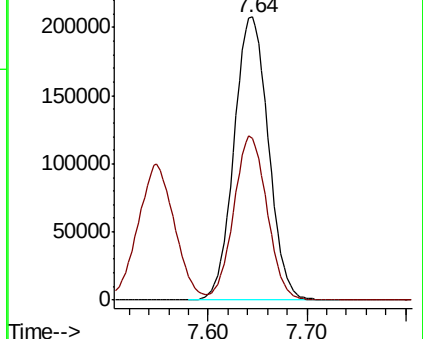
168 100

99 57.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.081 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059095.D

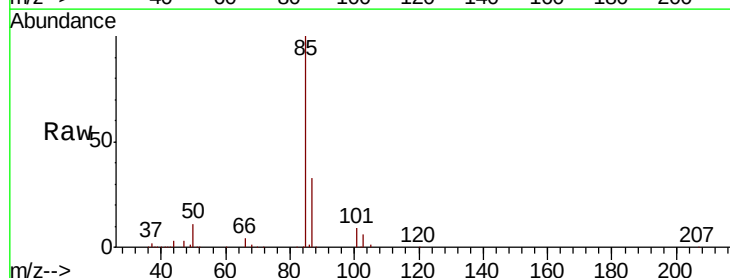
Acq: 6 Nov 2019 10:01

Tgt Ion: 85 Resp: 242739

Ion Ratio Lower Upper

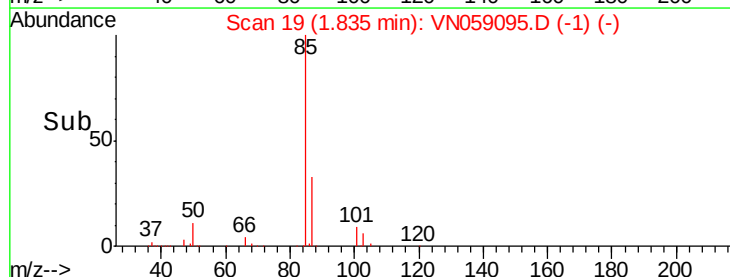
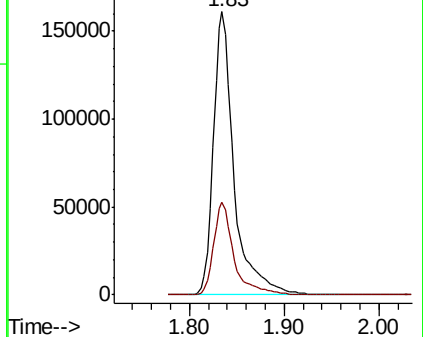
85 100

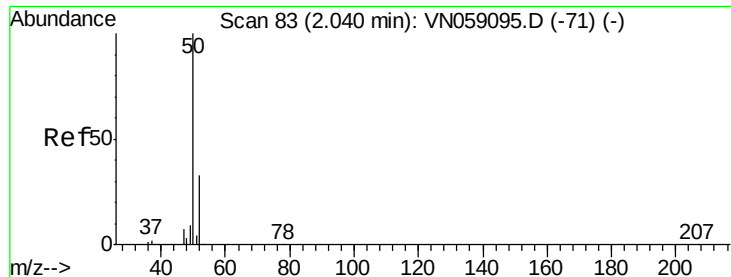
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.937 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

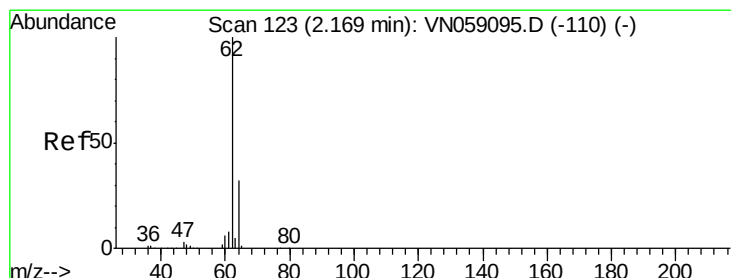
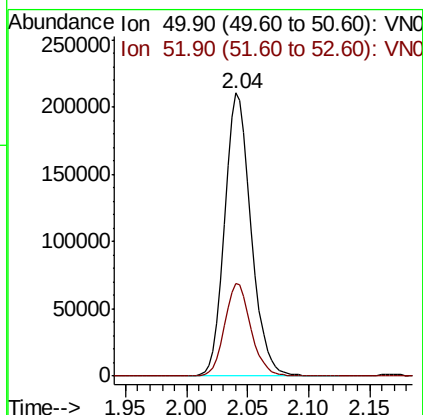
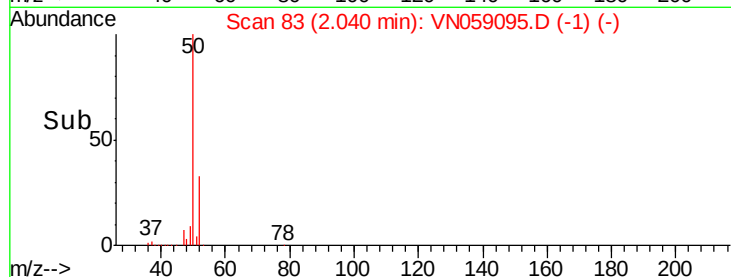
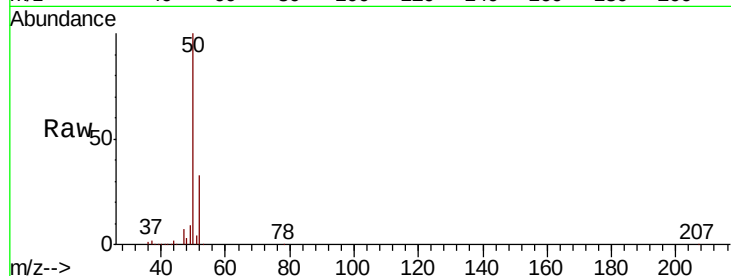
VSTDICCC050

Tot Ion: 50 Resp: 320526

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 44.914 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059095.D

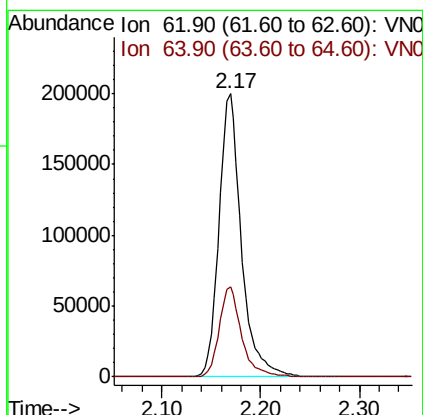
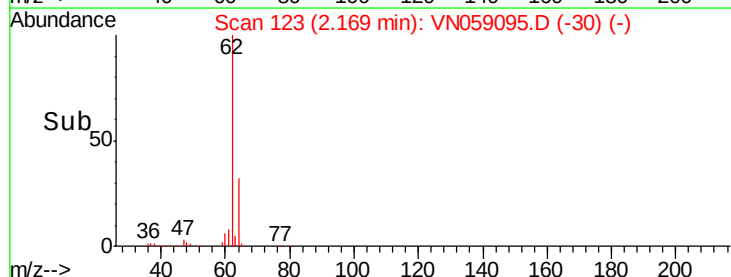
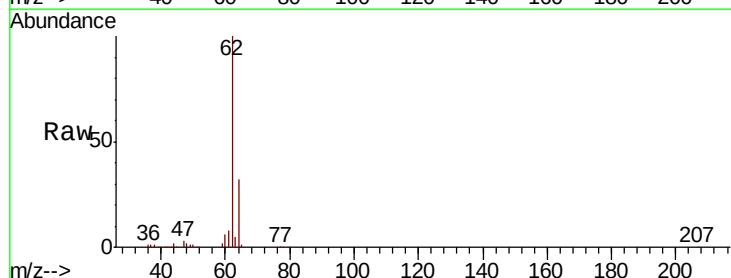
Acq: 6 Nov 2019 10:01

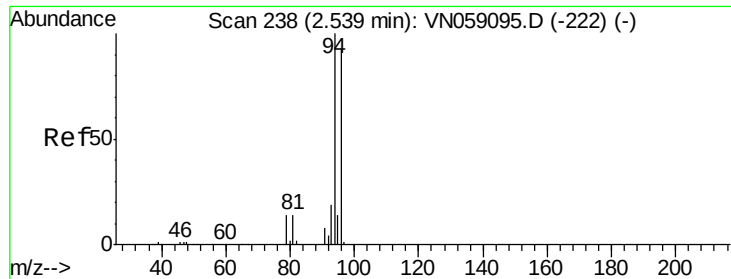
Tgt Ion: 62 Resp: 318466

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 43.632 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

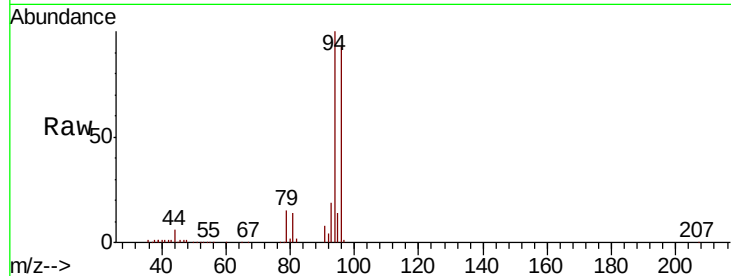
VSTDICCC050

Tot Ion: 94 Resp: 182195

Ion Ratio Lower Upper

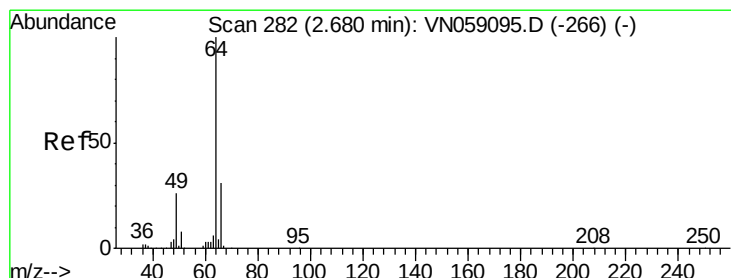
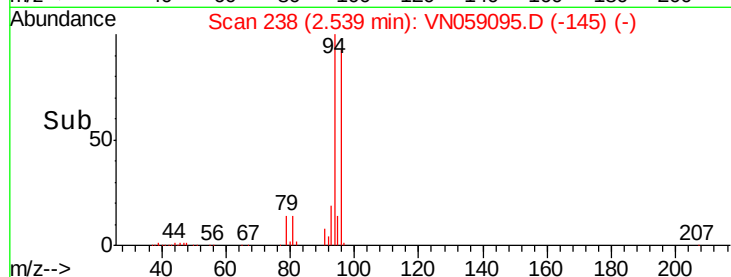
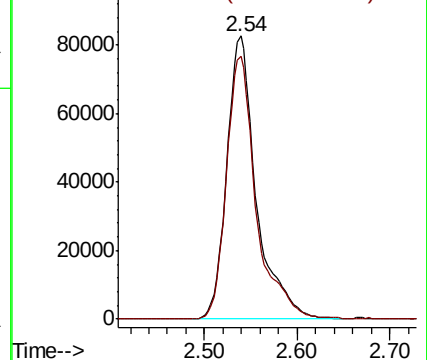
94 100

96 92.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.914 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059095.D

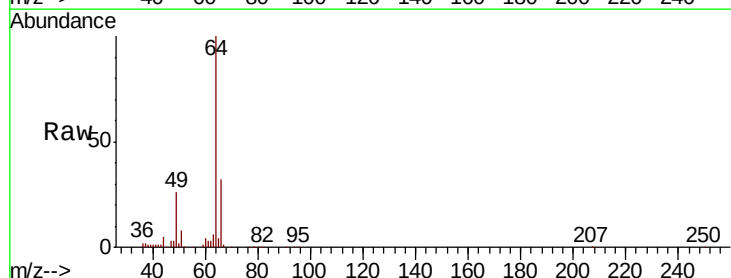
Acq: 6 Nov 2019 10:01

Tgt Ion: 64 Resp: 186343

Ion Ratio Lower Upper

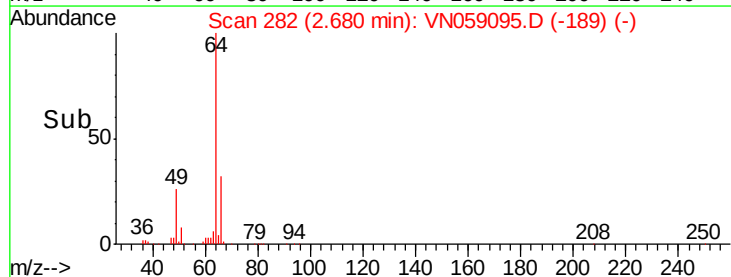
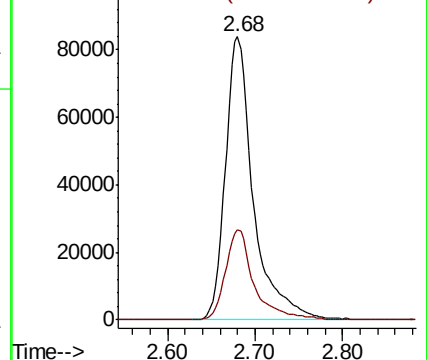
64 100

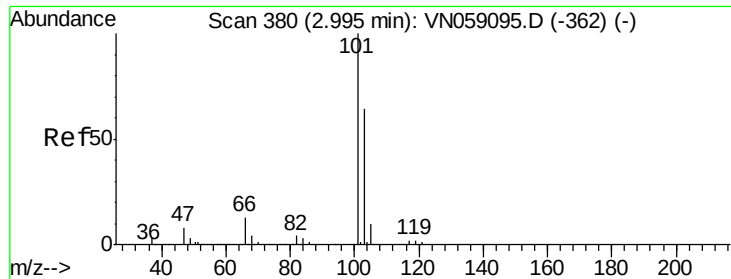
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



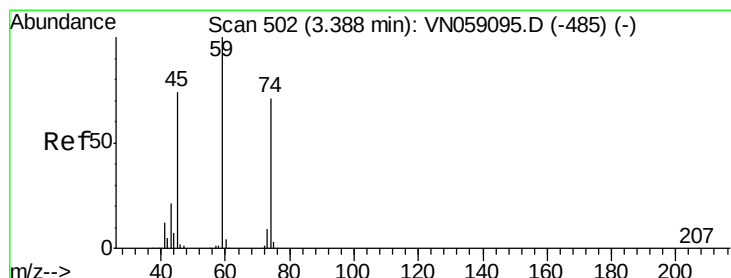
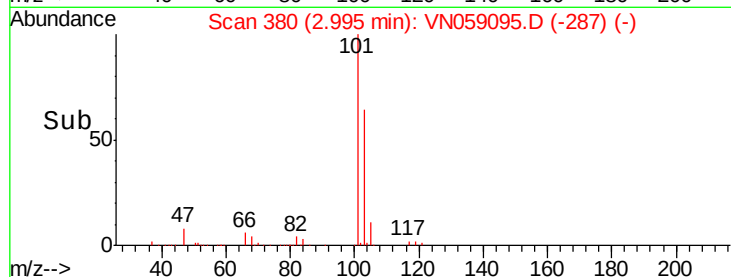
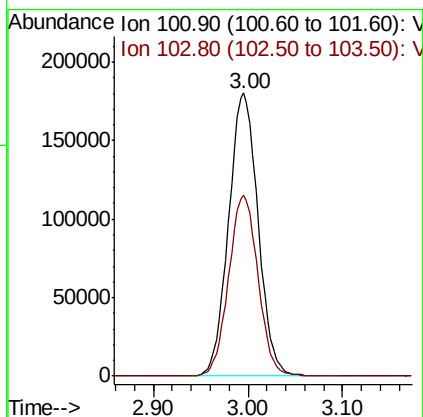
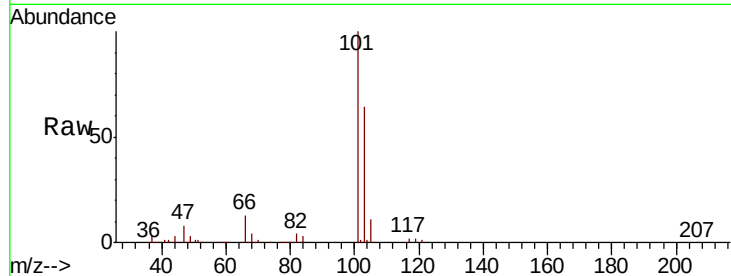


#7

Trichlorofluoromethane
 Concen: 46.151 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

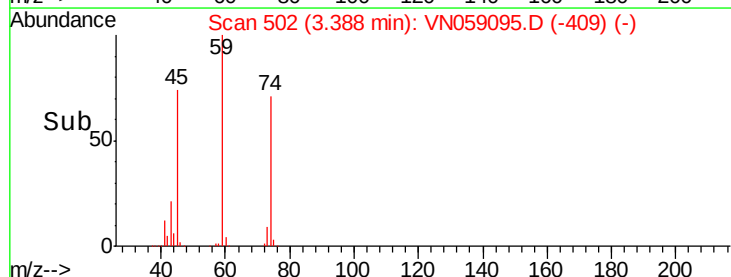
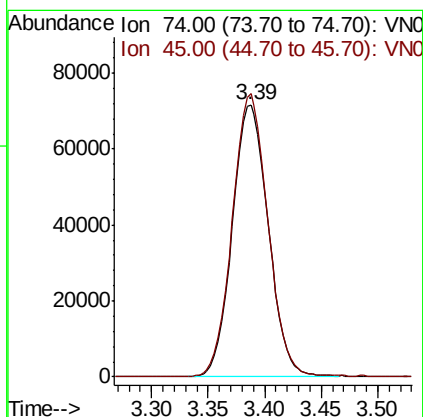
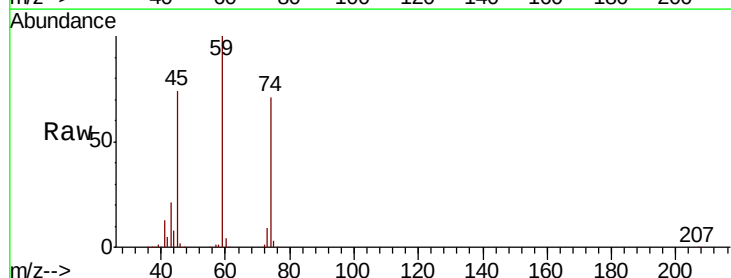
Tot Ion:101 Resp: 389838
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

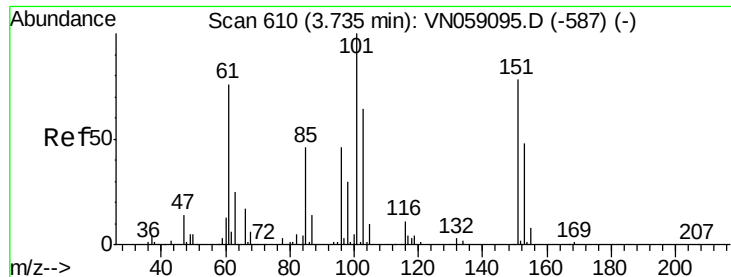


#8

Diethyl Ether
 Concen: 48.031 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 74 Resp: 158967
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.764 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

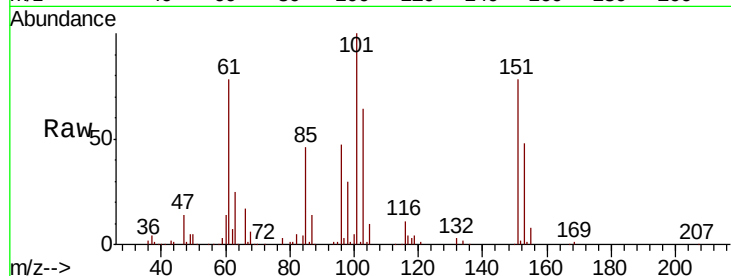
Tot Ion:101 Resp: 233068

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

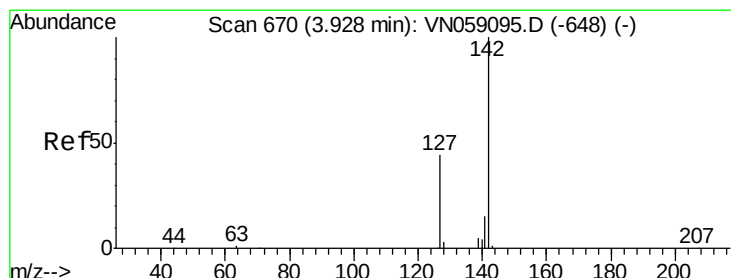
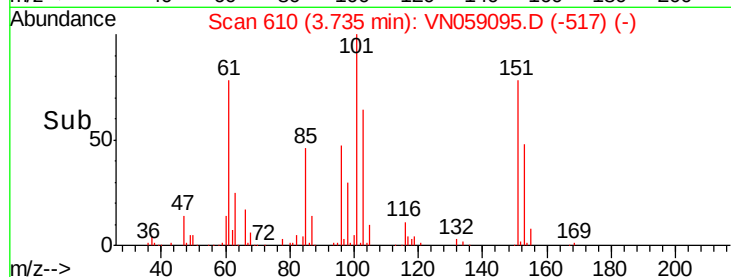
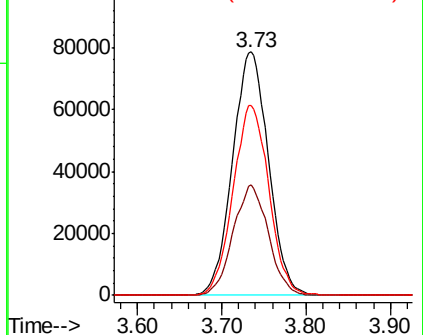
151 77.7 62.2 93.2



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: 49.032 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

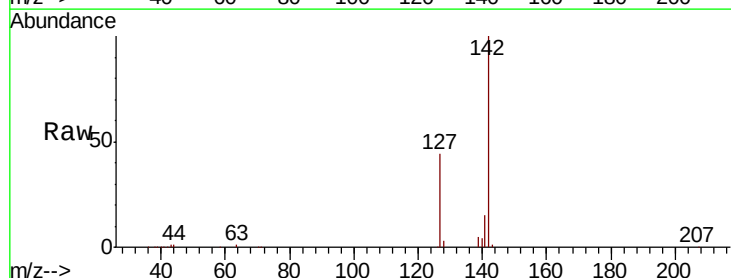
Tgt Ion:142 Resp: 298379

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

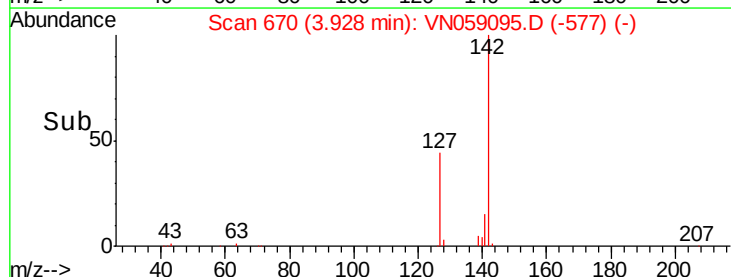
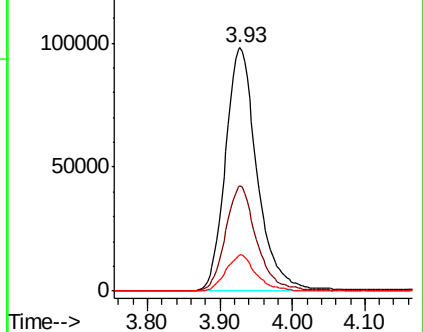
141 14.2 11.4 17.0

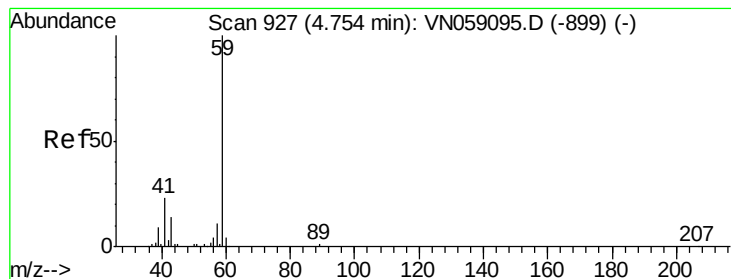


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



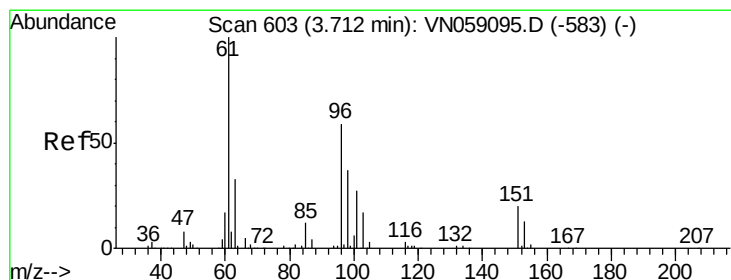
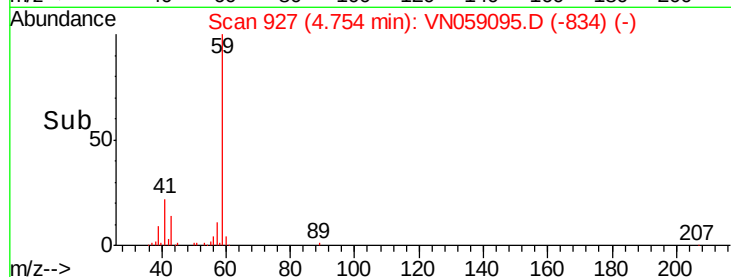
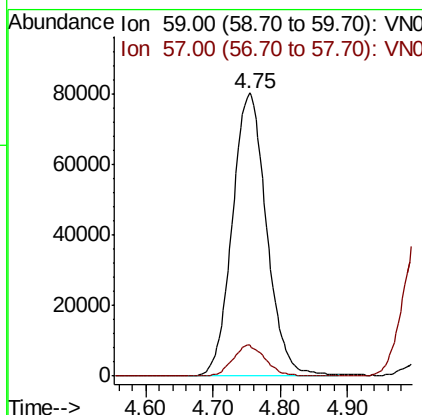
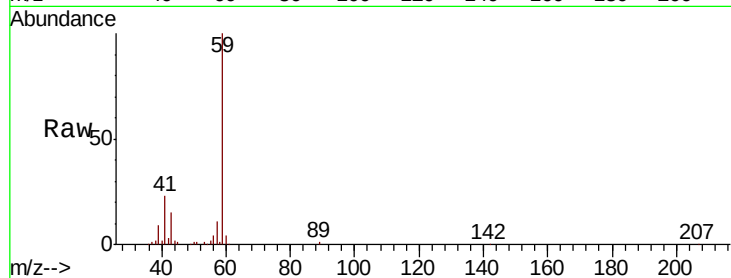


#11

Tert butyl alcohol
 Concen: 232.279 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

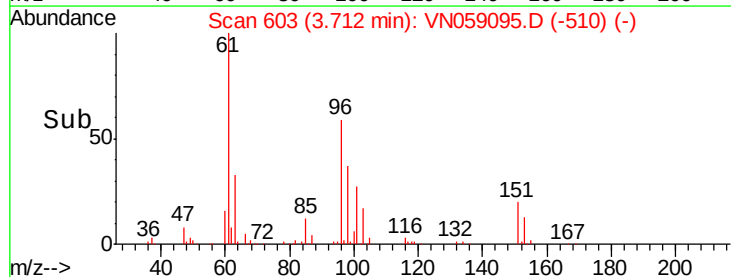
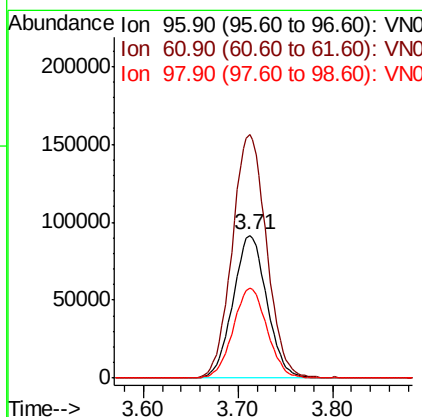
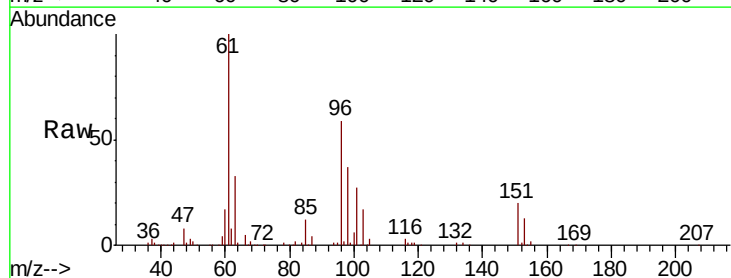
Tot Ion: 59 Resp: 284191
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

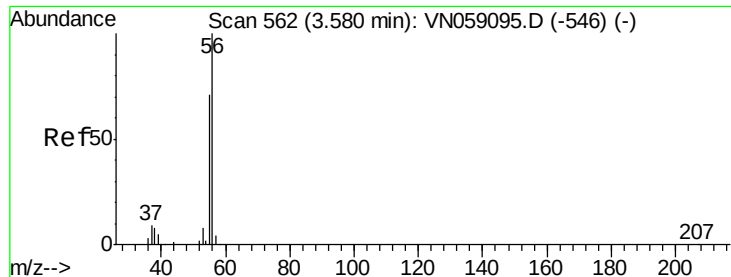


#12

1,1-Dichloroethene
 Concen: 45.949 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 96 Resp: 227595
 Ion Ratio Lower Upper
 96 100
 61 170.6 136.5 204.7
 98 62.8 50.2 75.4





#13

Acrolein

Concen: 199.015 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

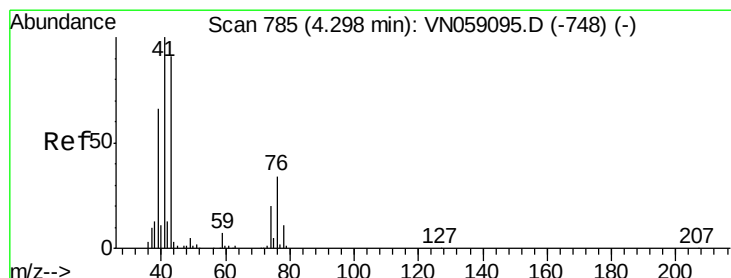
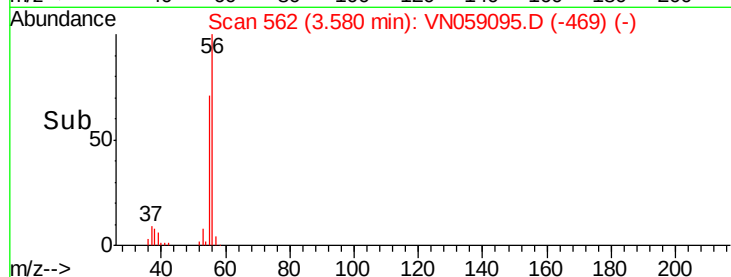
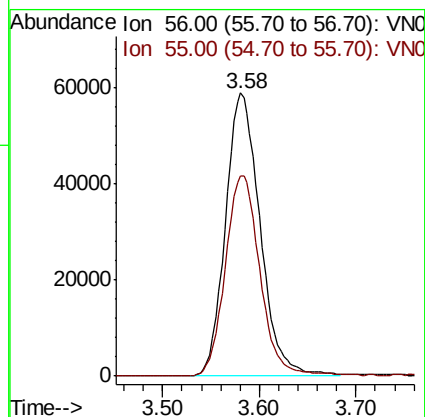
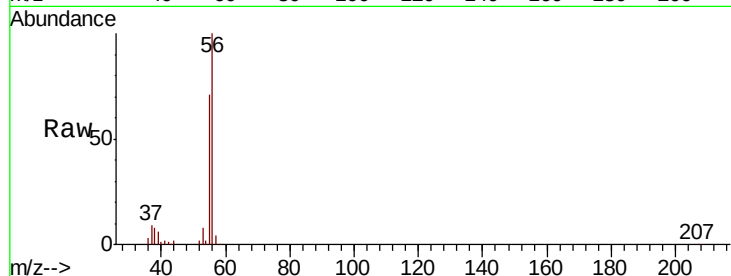
VSTDICCC050

Tot Ion: 56 Resp: 146716

Ion Ratio Lower Upper

56 100

55 70.5 56.4 84.6



#14

Allyl chloride

Concen: 46.985 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

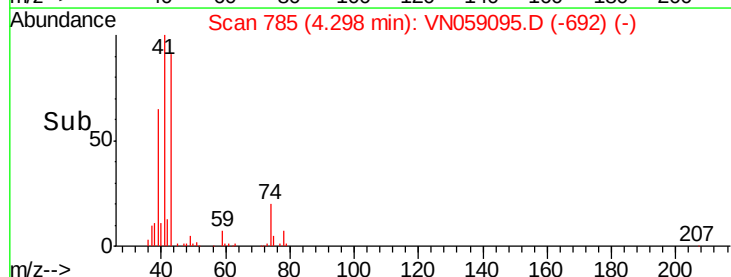
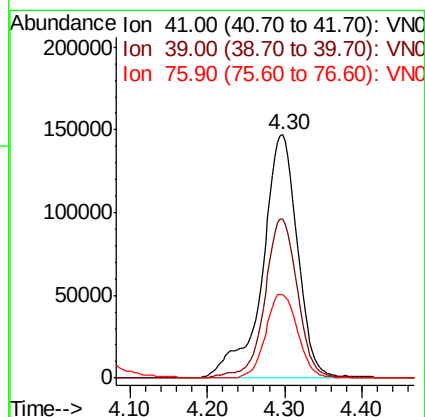
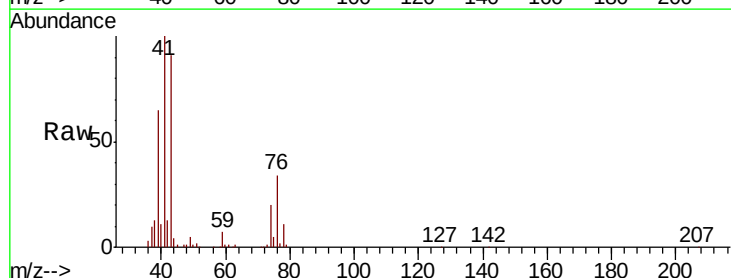
Tgt Ion: 41 Resp: 461136

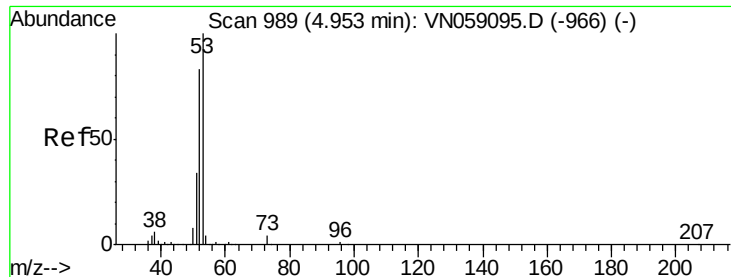
Ion Ratio Lower Upper

41 100

39 61.4 49.1 73.7

76 31.1 24.9 37.3





#15

Acrylonitrile

Concen: 241.661 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

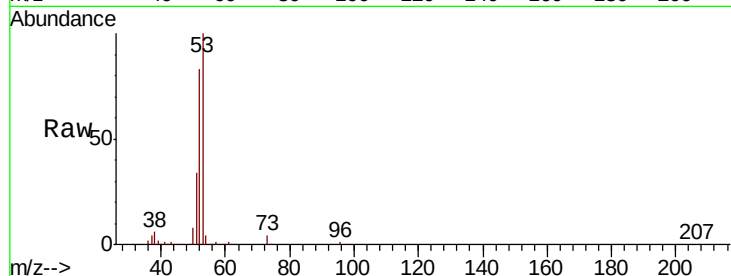
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 744559

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.0	28.0	42.0

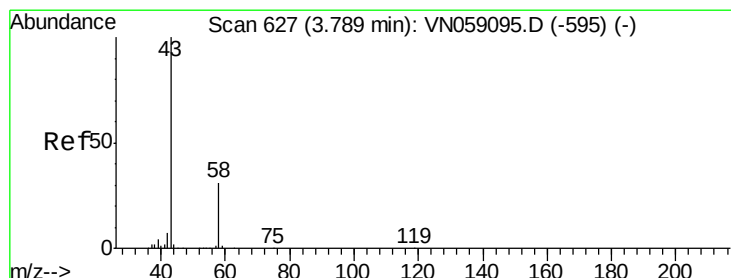
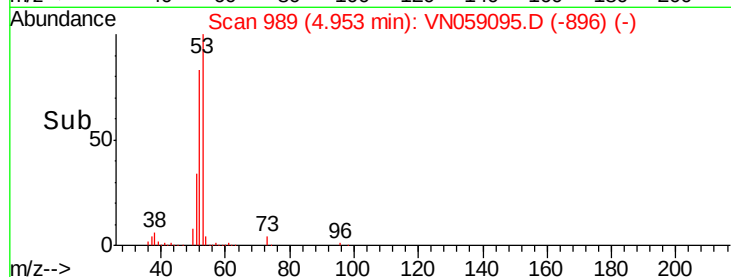


Abundance

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: 252.817 ug/l

RT: 3.79 min Scan# 627

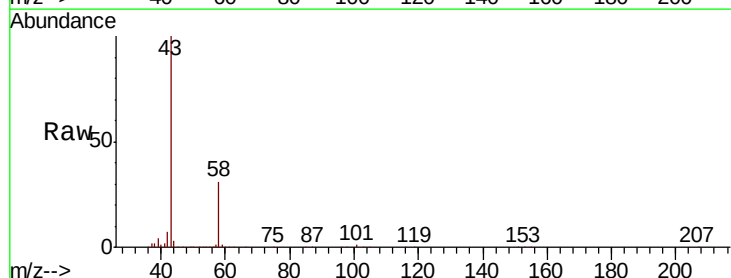
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion: 43 Resp: 854120

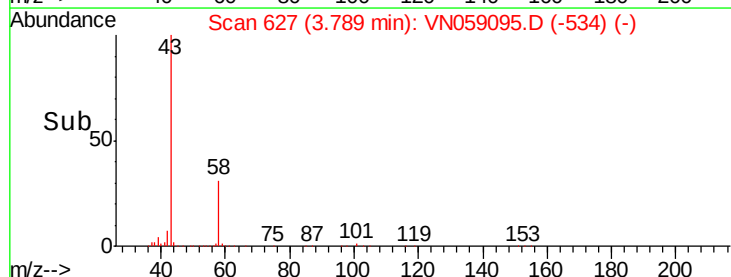
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.9	37.3

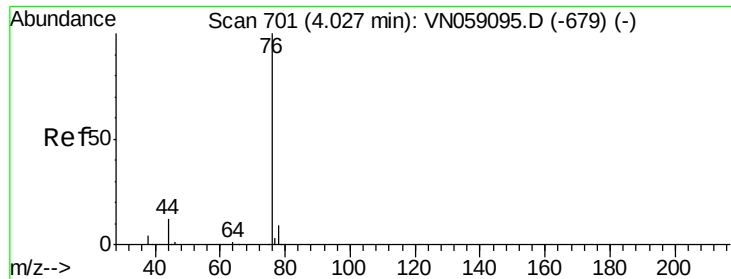


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

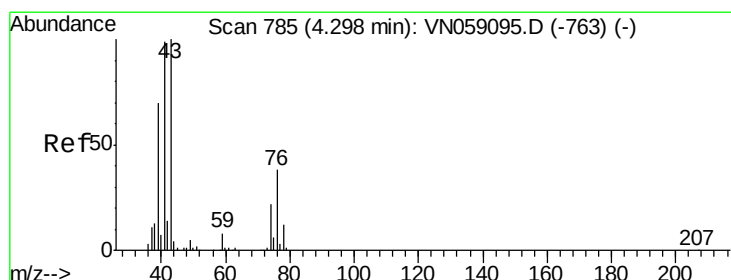
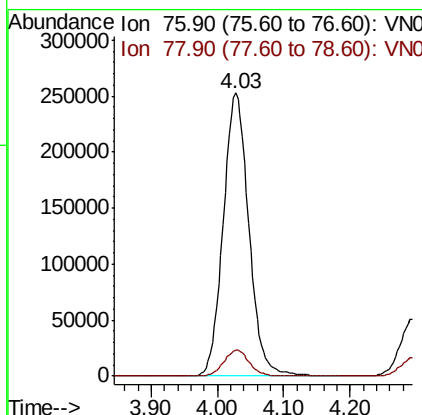
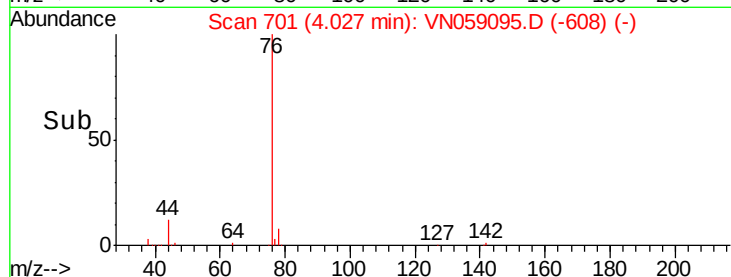
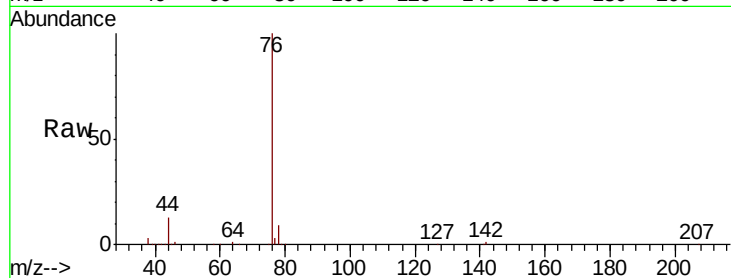




#17
Carbon Disulfide
Concen: 43.451 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

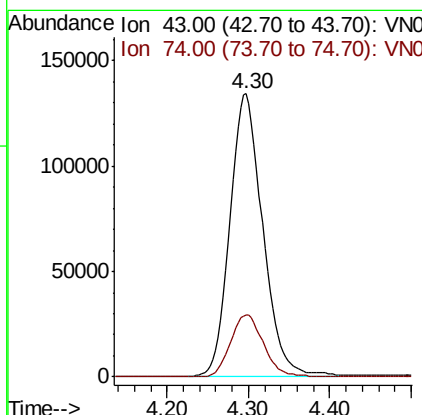
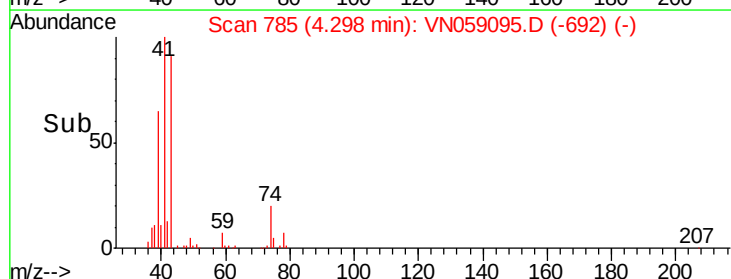
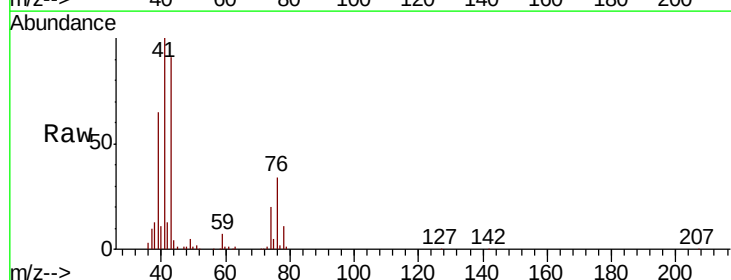
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

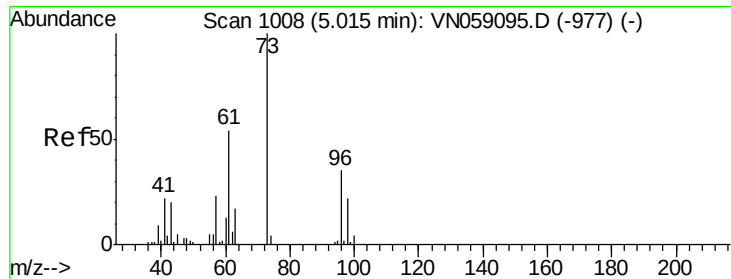
Tot Ion: 76 Resp: 679047
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 44.100 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 43 Resp: 375258
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8

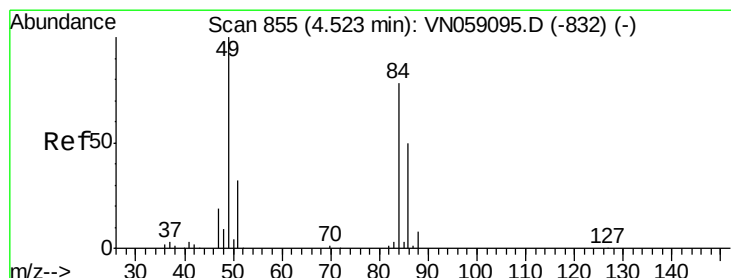
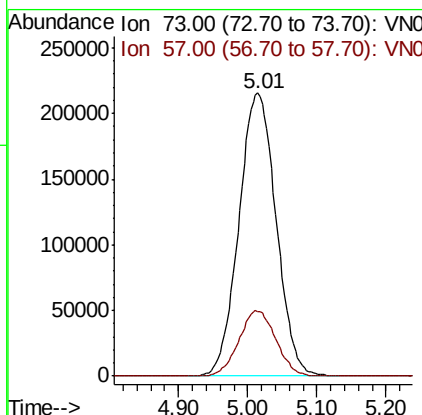
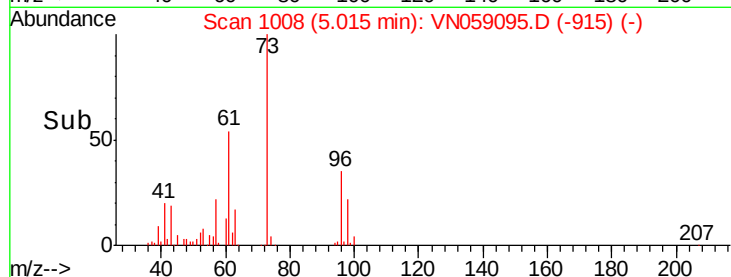
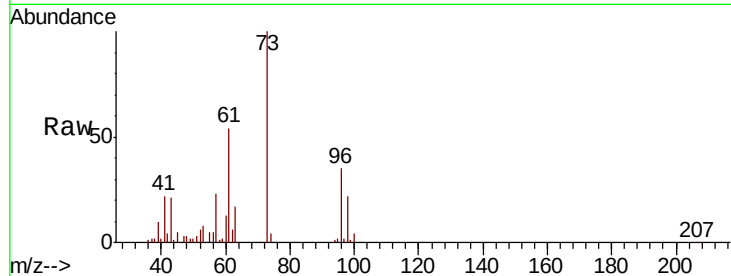




#19
Methyl tert-butyl Ether
Concen: 47.607 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

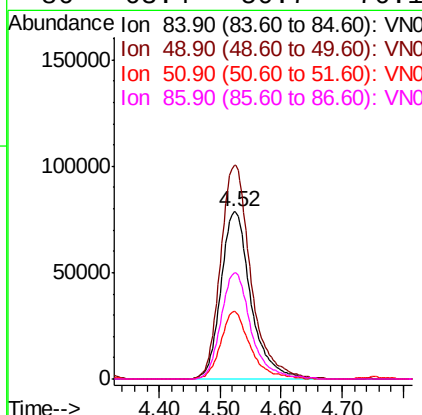
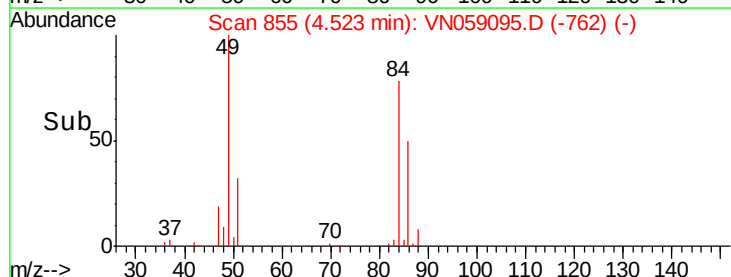
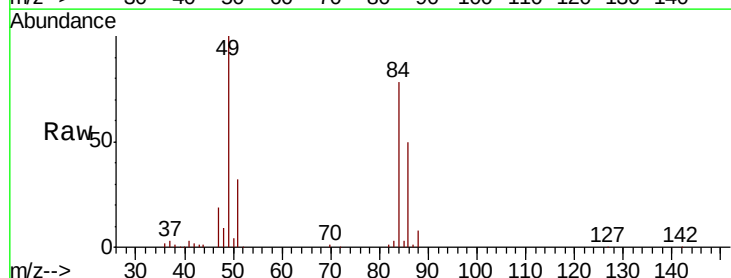
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

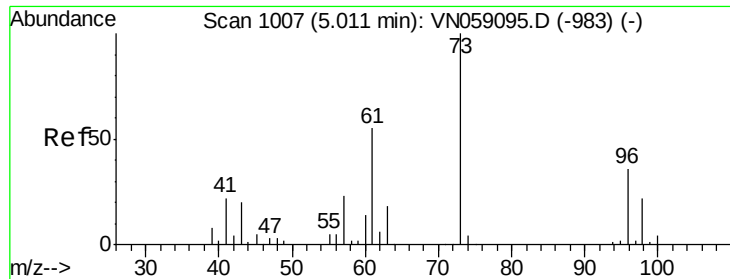
Tot Ion: 73 Resp: 804261
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 45.641 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 84 Resp: 268292
Ion Ratio Lower Upper
84 100
49 127.5 102.0 153.0
51 40.2 32.2 48.2
86 63.4 50.7 76.1

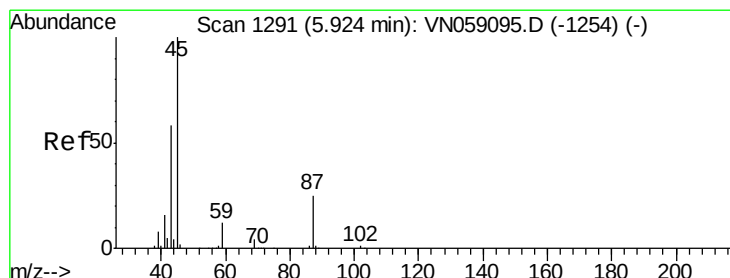
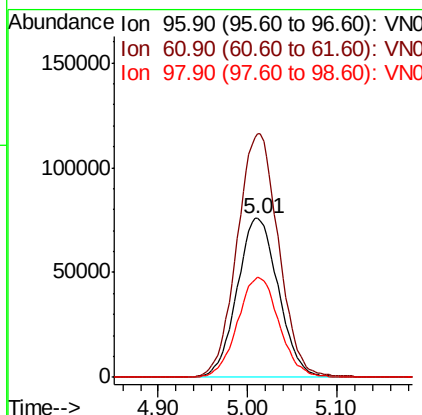
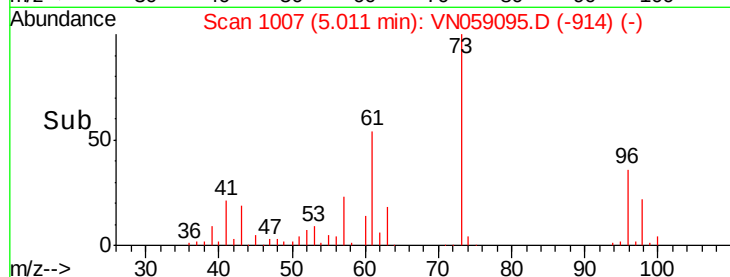
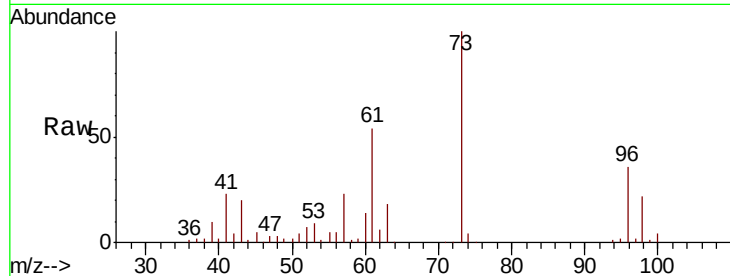




#21
trans-1,2-Dichloroethene
Concen: 46.080 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

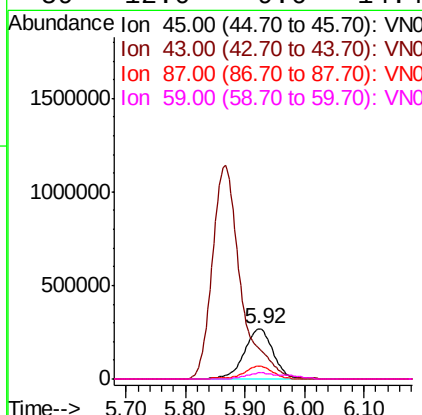
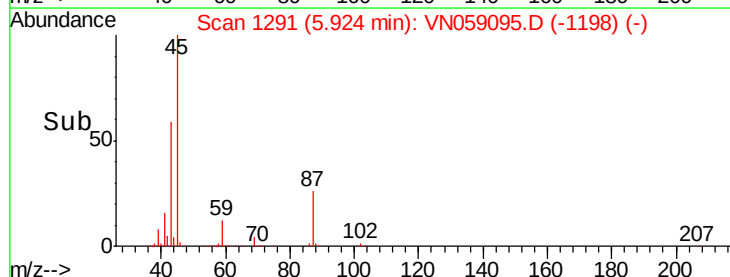
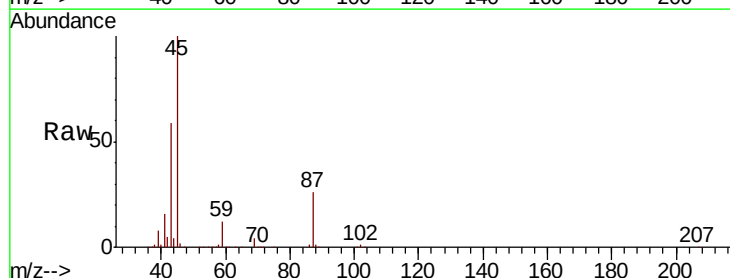
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

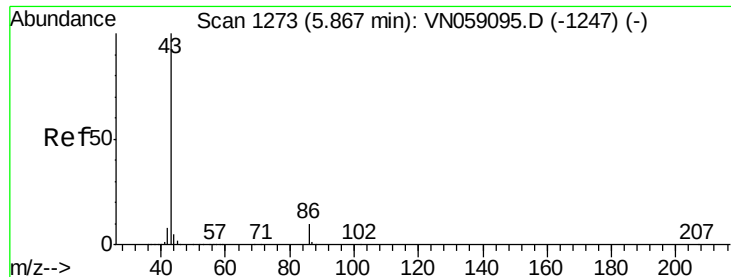
Tot Ion: 96 Resp: 244729
Ion Ratio Lower Upper
96 100
61 153.2 122.6 183.8
98 62.9 50.3 75.5



#22
Diisopropyl ether
Concen: 48.598 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 45 Resp: 909261
Ion Ratio Lower Upper
45 100
43 58.4 46.7 70.1
87 25.6 20.5 30.7
59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 254.237 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

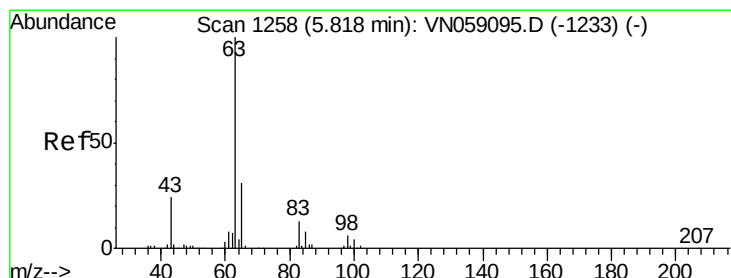
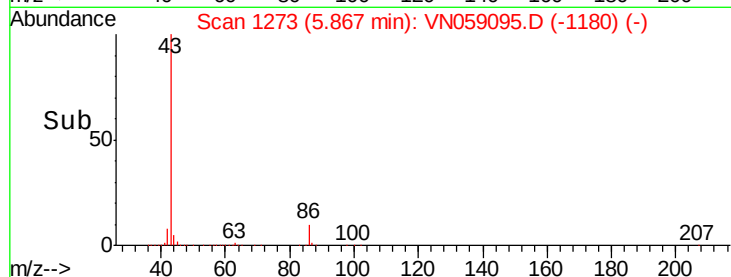
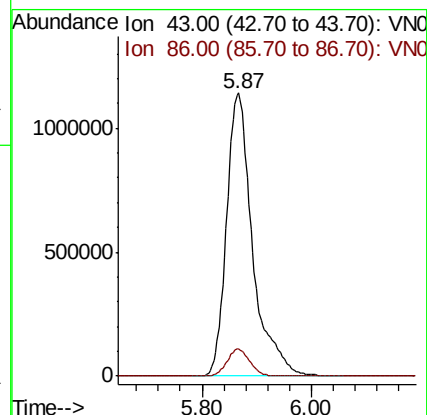
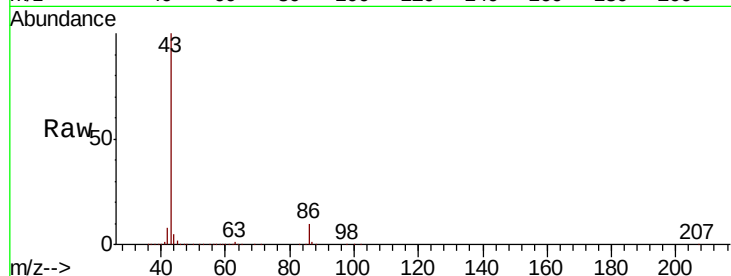
VSTDICCC050

Tot Ion: 43 Resp: 3779296

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 46.393 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

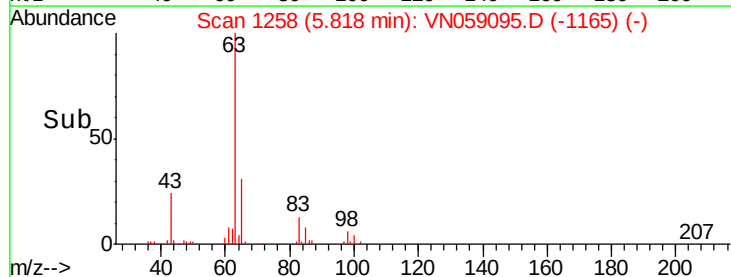
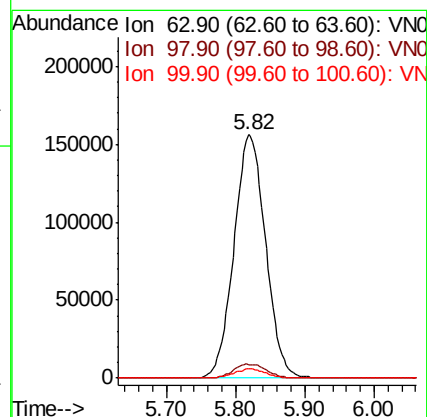
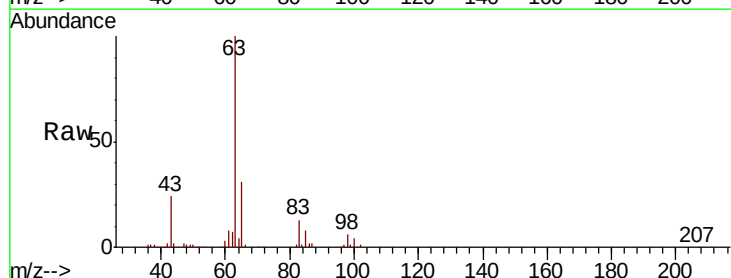
Tgt Ion: 63 Resp: 496647

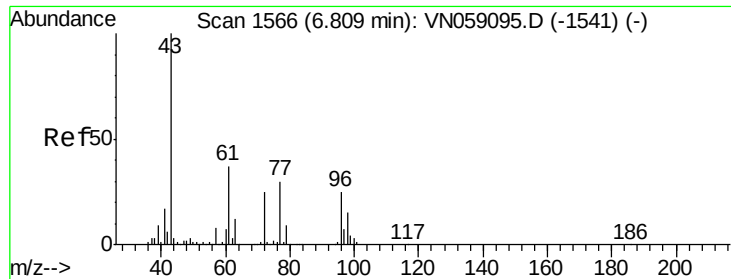
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7

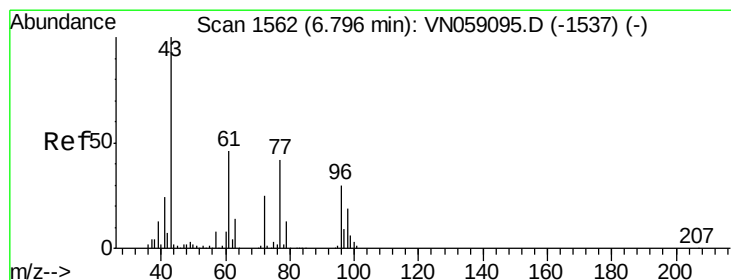
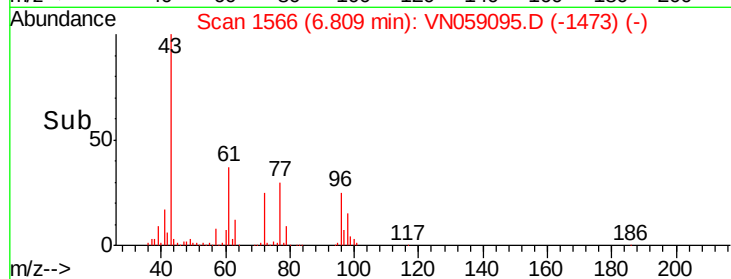
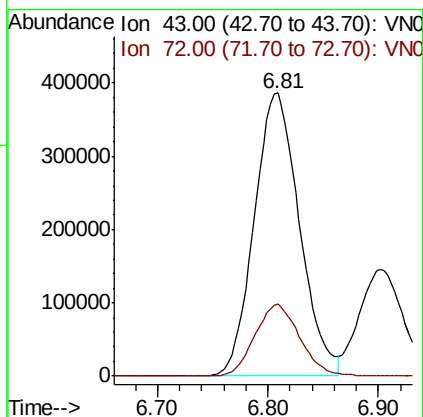
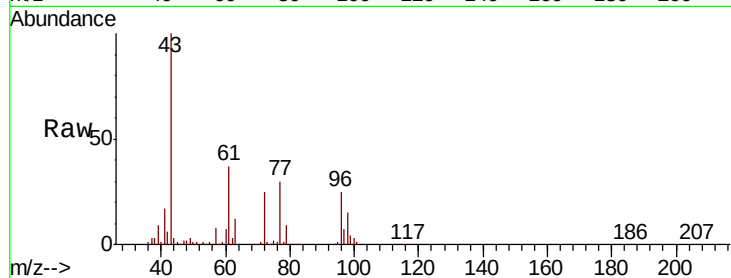




#25
2-Butanone
Concen: 245.355 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

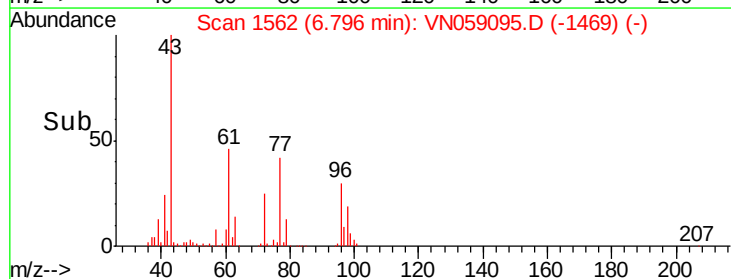
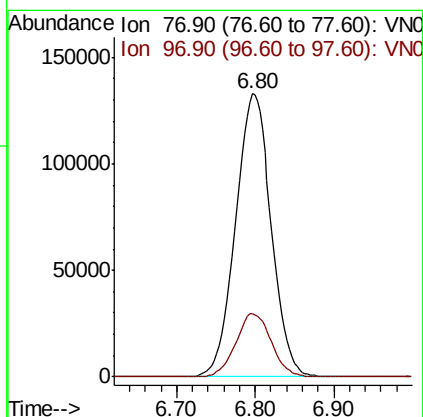
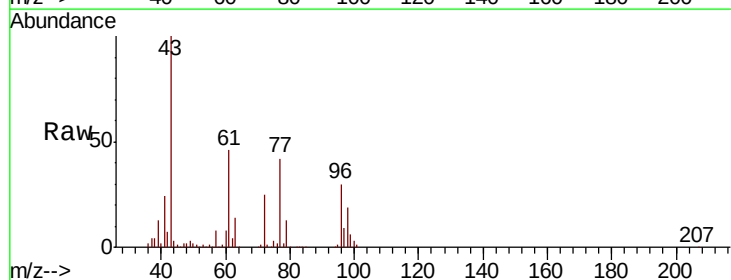
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

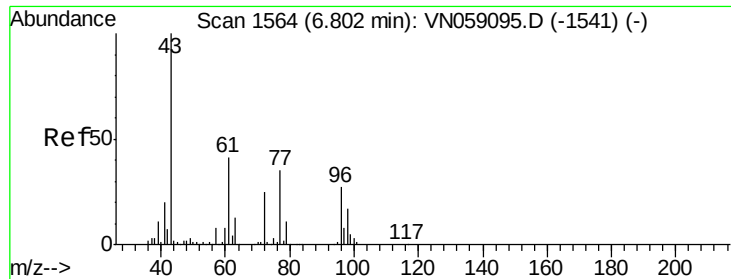
Tot Ion: 43 Resp: 1096182
Ion Ratio Lower Upper
43 100
72 25.4 20.3 30.5



#26
2,2-Dichloropropane
Concen: 45.401 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 77 Resp: 421181
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.801 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

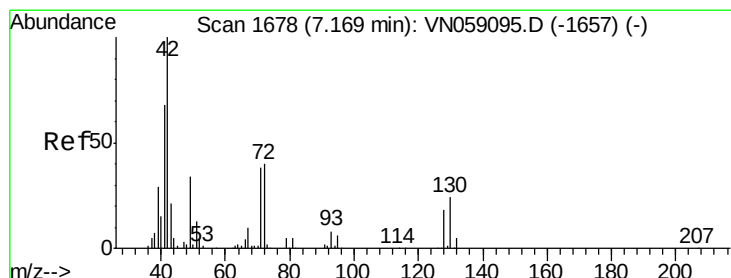
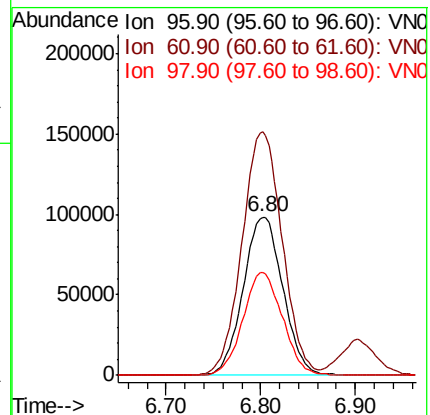
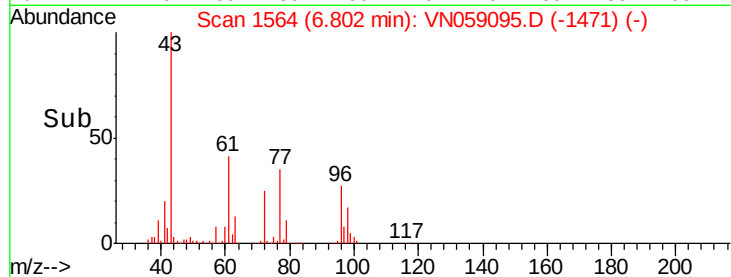
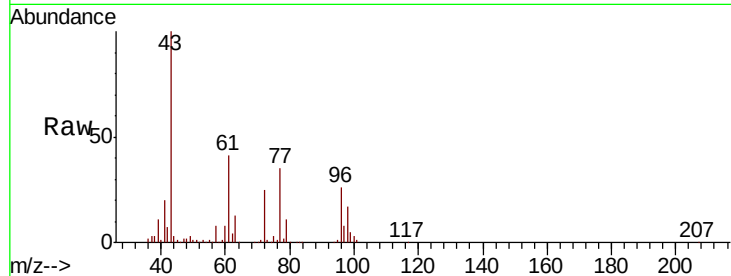
Tot Ion: 96 Resp: 286934

Ion Ratio Lower Upper

96 100

61 155.8 0.0 311.6

98 64.9 0.0 129.8



#28

Bromochloromethane

Concen: 44.601 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

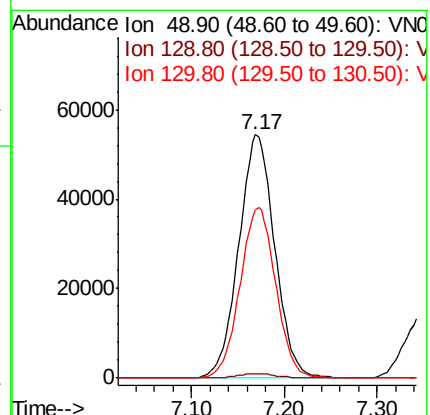
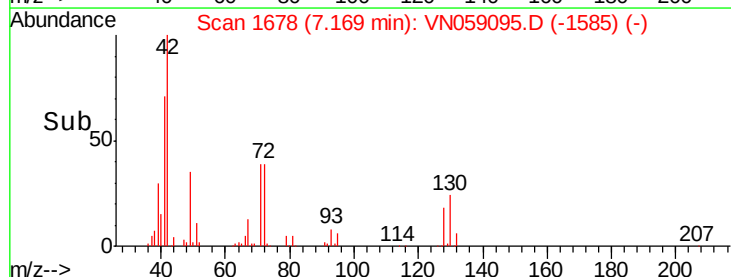
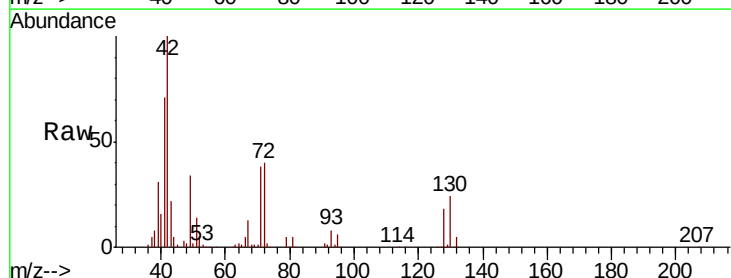
Tgt Ion: 49 Resp: 146369

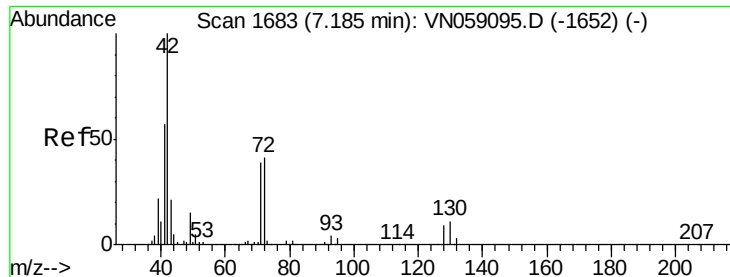
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 69.5 55.6 83.4

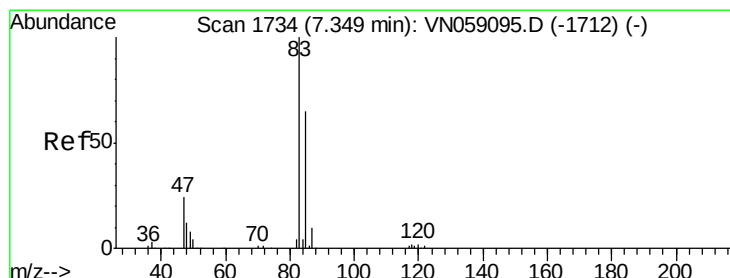
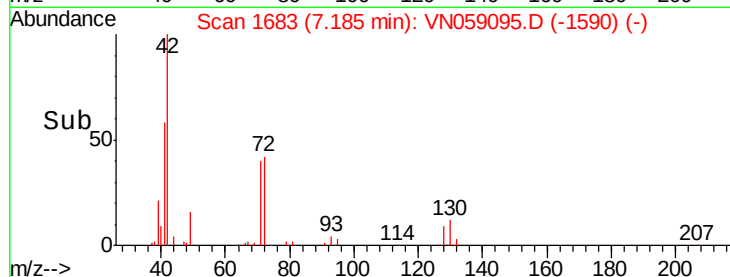
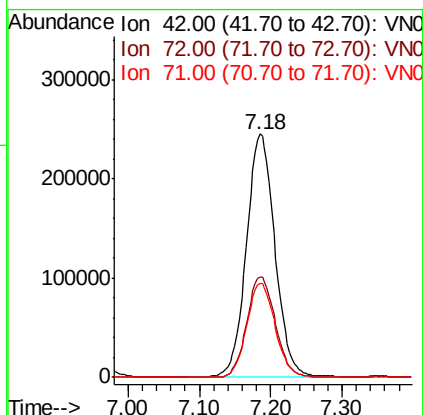
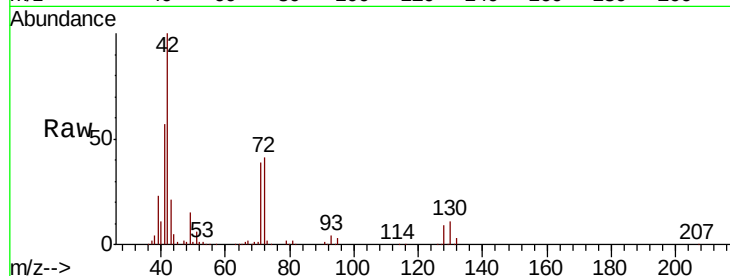




#29
Tetrahydrofuran
Concen: 241.800 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

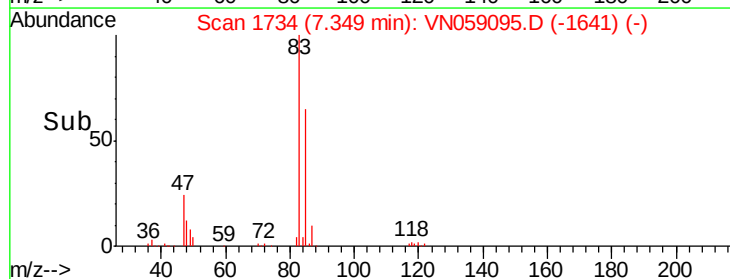
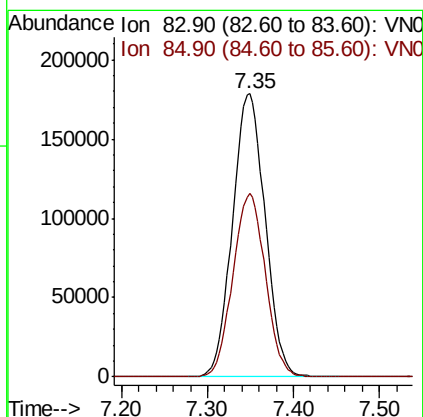
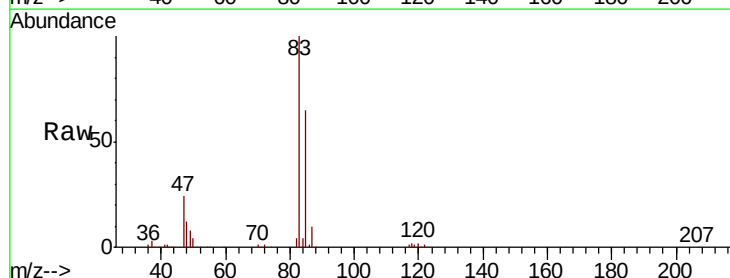
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

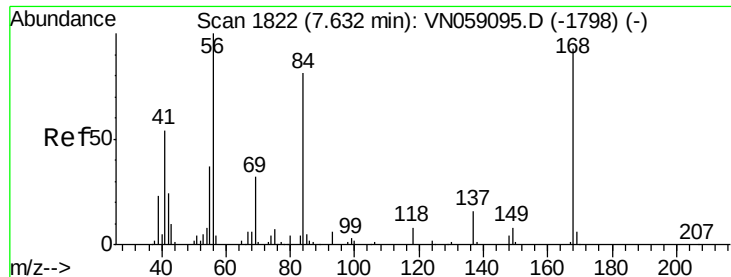
Tot Ion: 42 Resp: 681197
Ion Ratio Lower Upper
42 100
72 41.4 33.1 49.7
71 38.6 30.9 46.3



#30
Chloroform
Concen: 46.017 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 83 Resp: 470814
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8

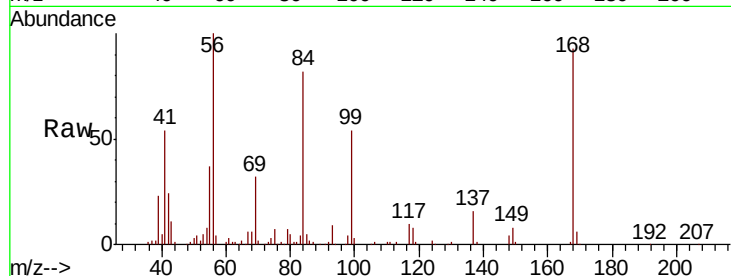




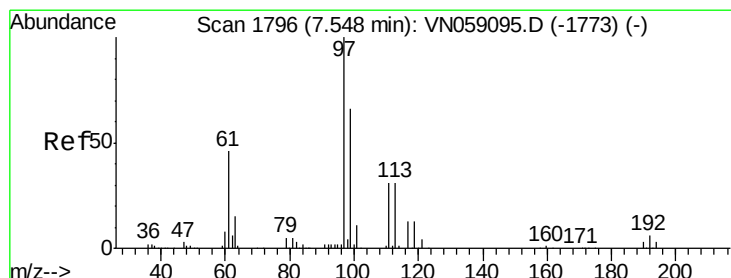
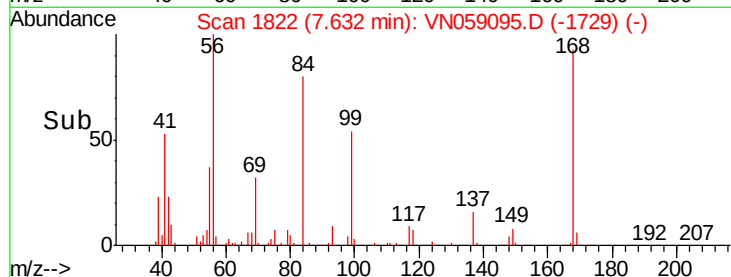
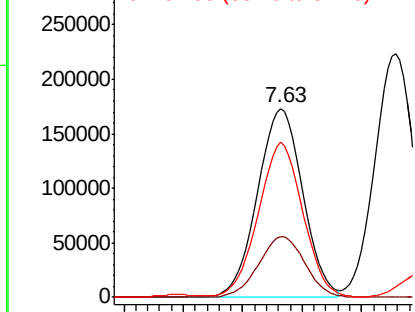
#31
Cyclohexane
Concen: 44.961 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 457129
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.8
84 81.2 65.0 97.4

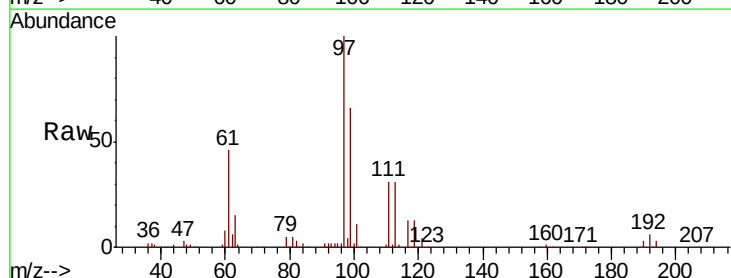


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

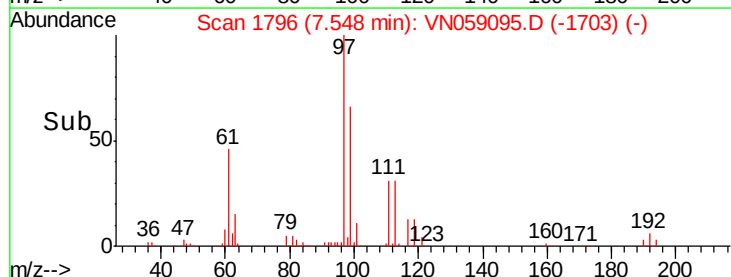
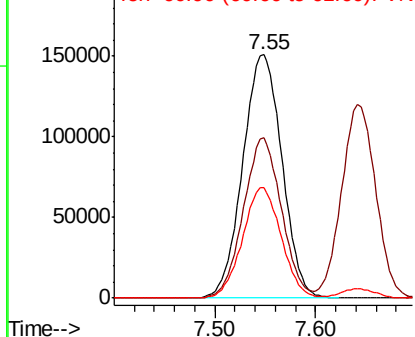


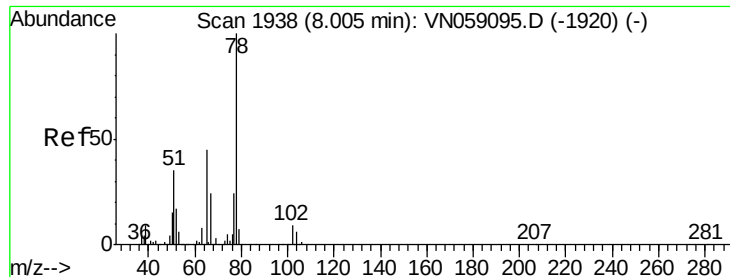
#32
1,1,1-Trichloroethane
Concen: 47.065 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 97 Resp: 407324
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 44.8 35.8 53.8



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

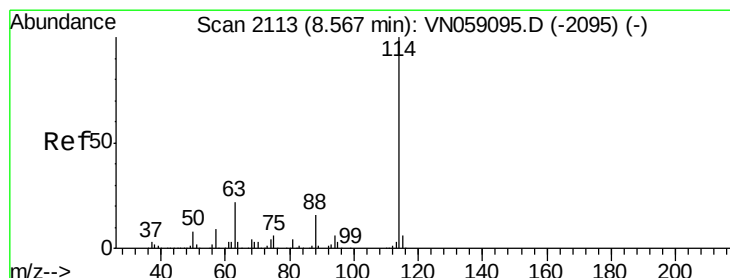
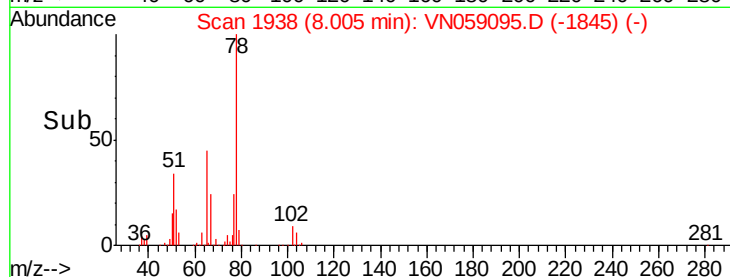
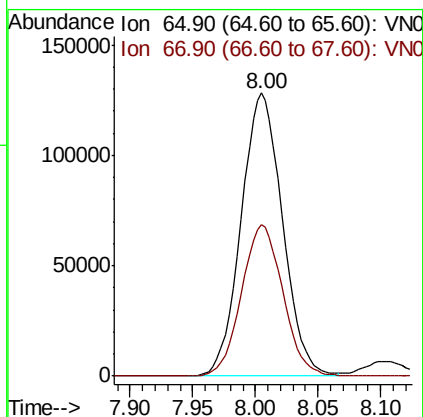
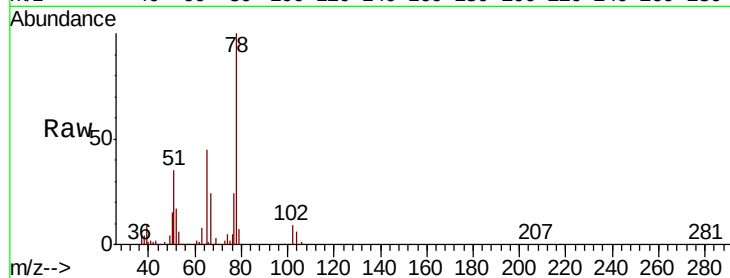




#33
 1,2-Dichloroethane-d4
 Concen: 45.255 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

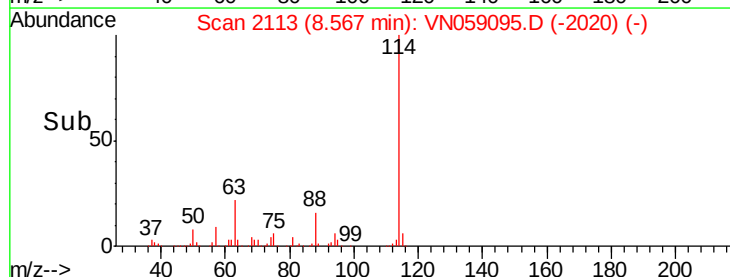
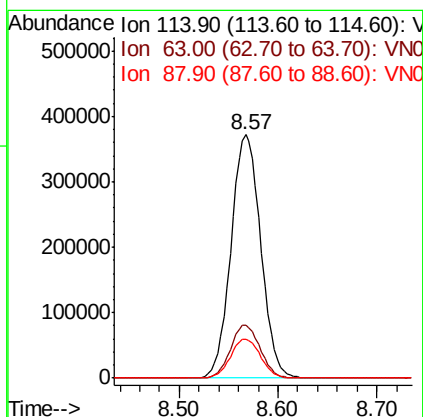
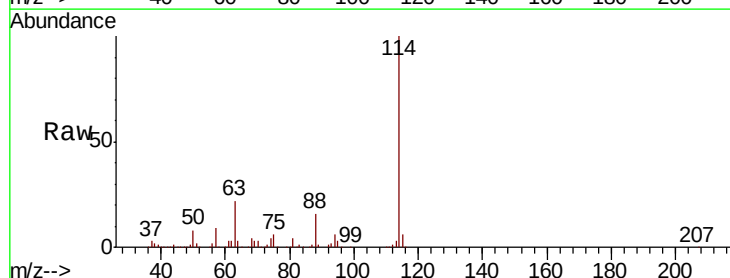
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

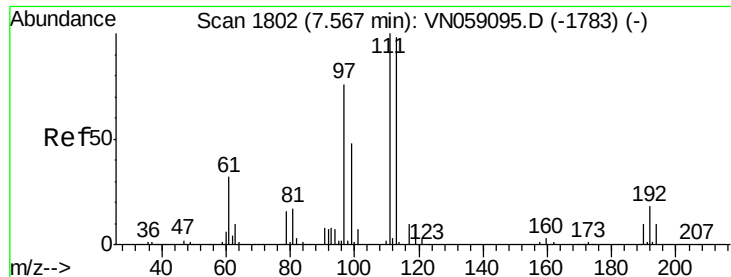
Tot Ion: 65 Resp: 294155
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 114 Resp: 780819
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.1 0.0 32.2

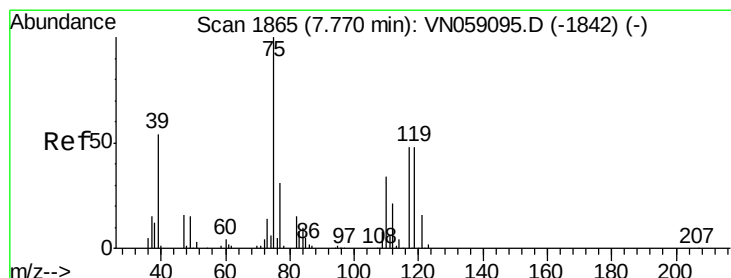
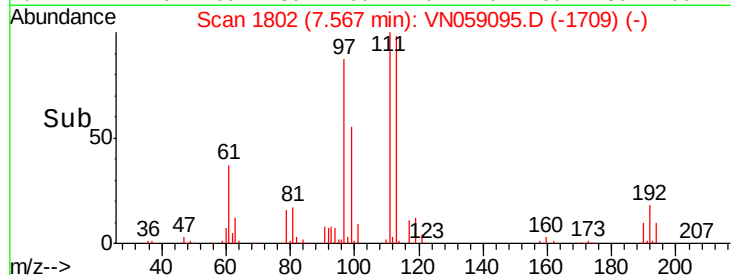
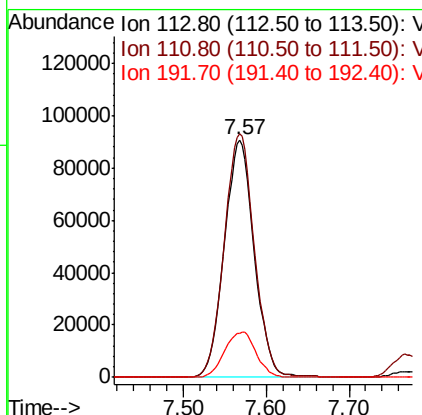
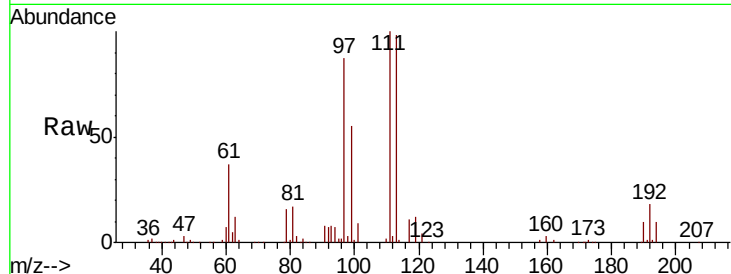




#35
 Dibromofluoromethane
 Concen: 45.986 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

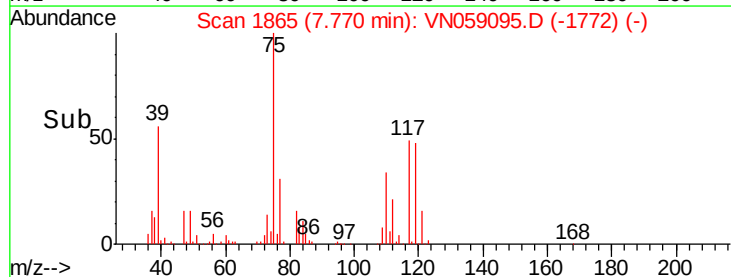
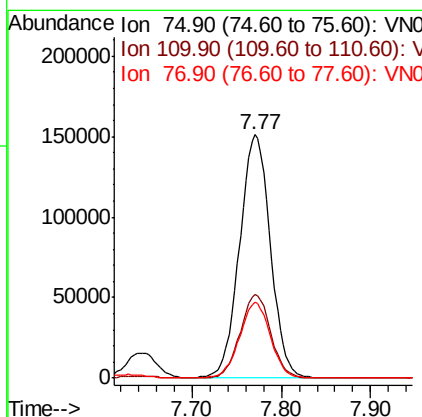
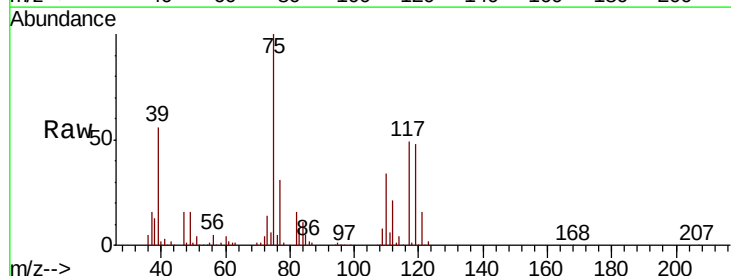
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

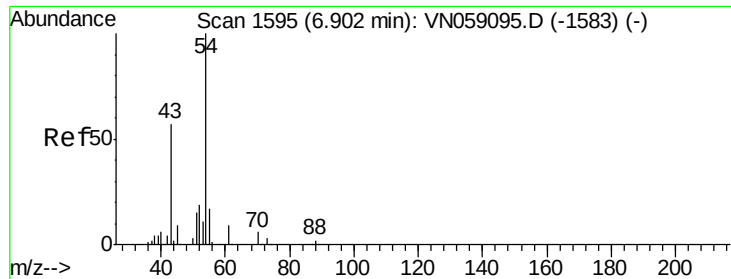
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	20.1	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 46.851 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.0	24.8	37.2

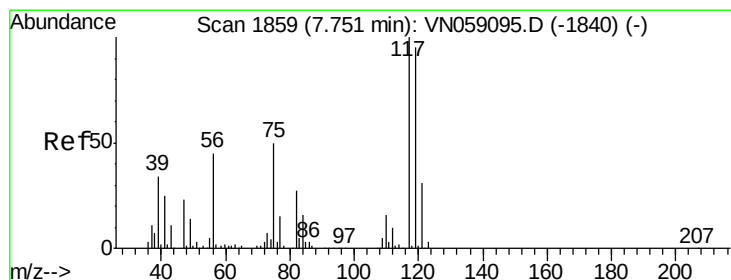
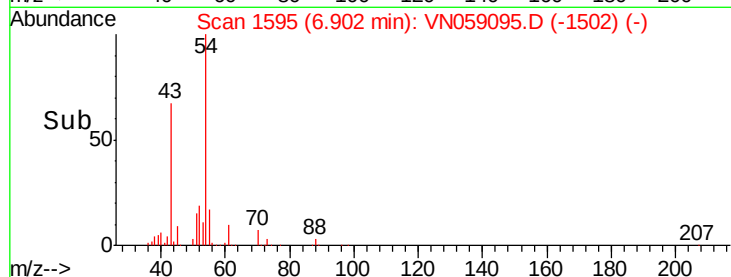
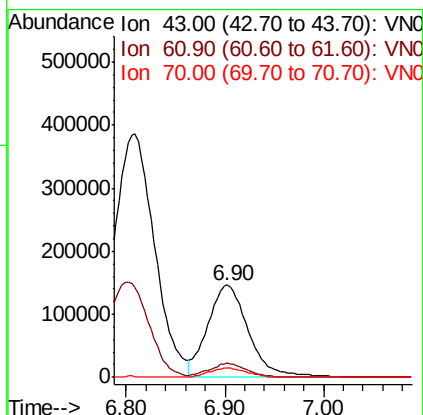
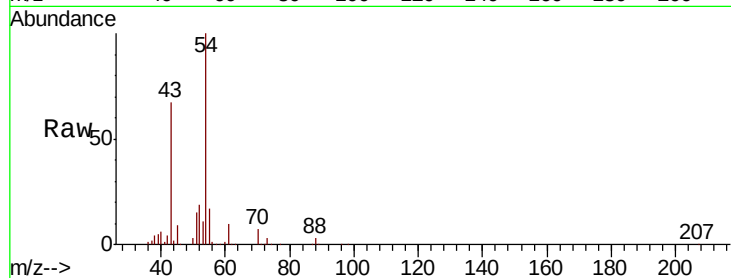




#37
Ethyl Acetate
Concen: 48.136 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

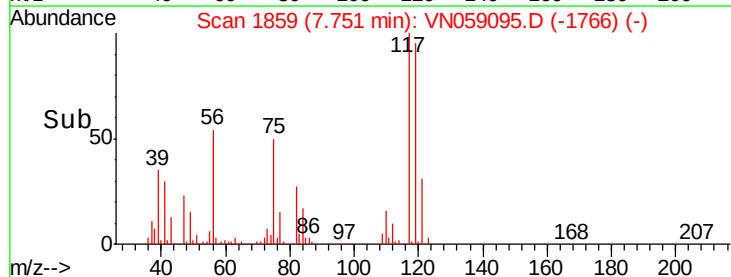
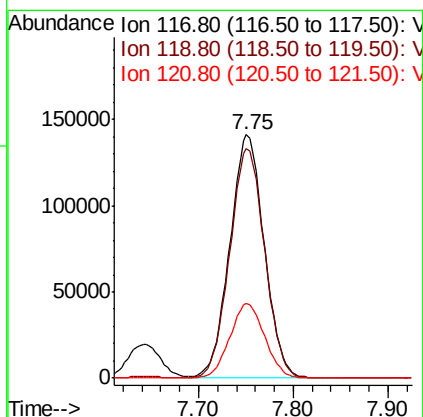
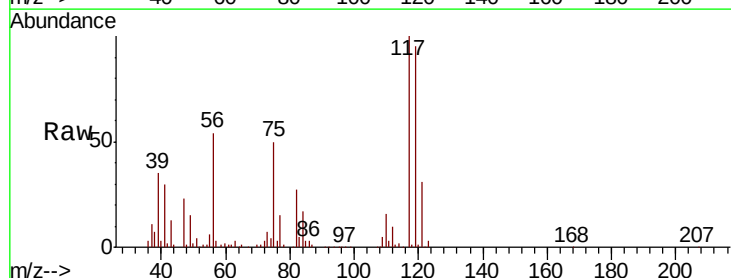
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

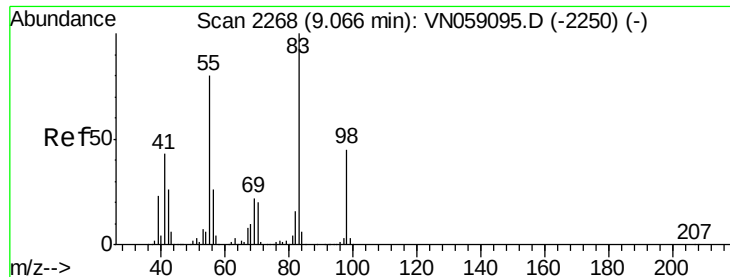
Tot Ion: 43 Resp: 413563
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.411 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 117 Resp: 357171
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 30.7 24.6 36.8

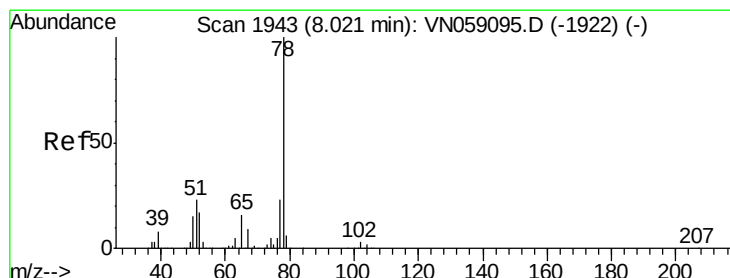
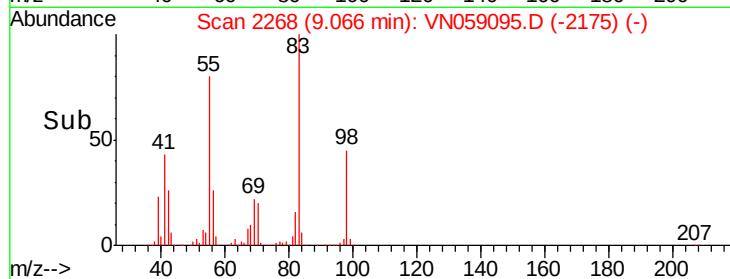
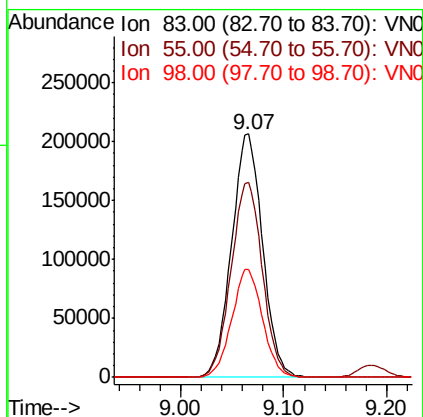
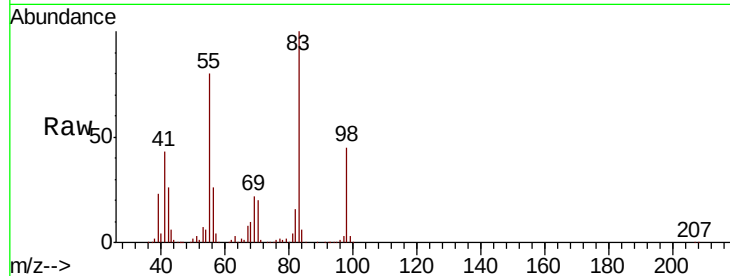




#39
Methylvlcyclohexane
Concen: 48.558 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

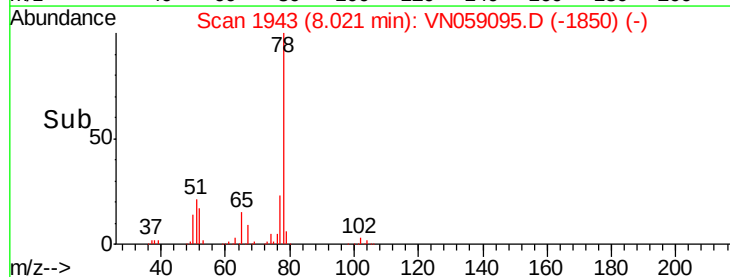
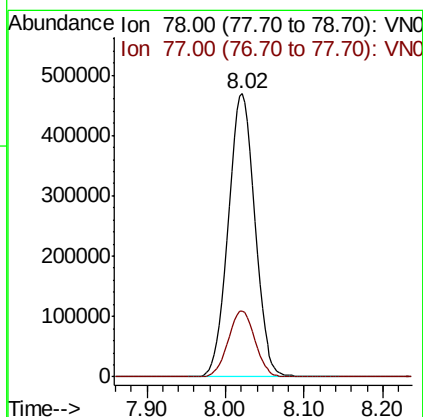
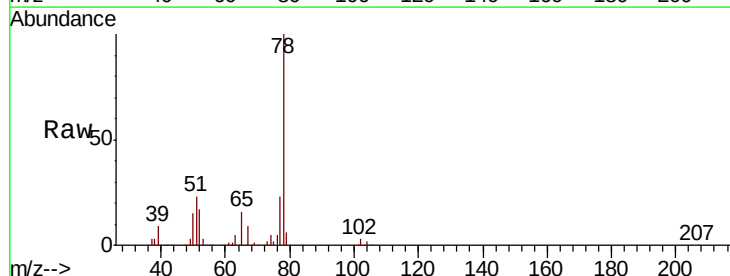
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

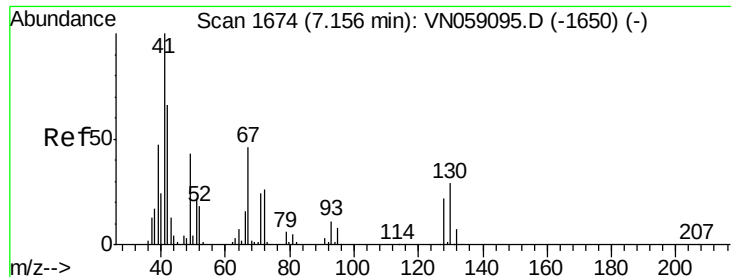
Tot Ion: 83 Resp: 432147
Ion Ratio Lower Upper
83 100
55 79.9 63.9 95.9
98 44.5 35.6 53.4



#40
Benzene
Concen: 47.744 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 78 Resp: 1096973
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

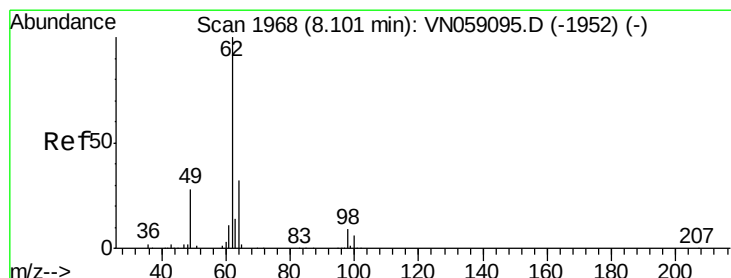
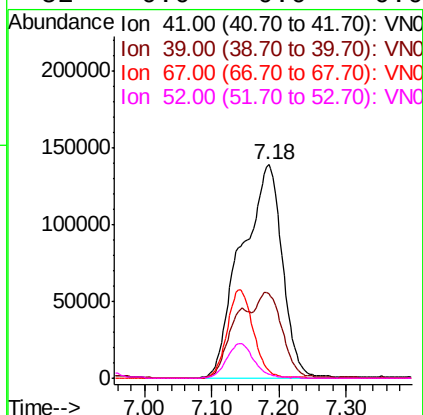
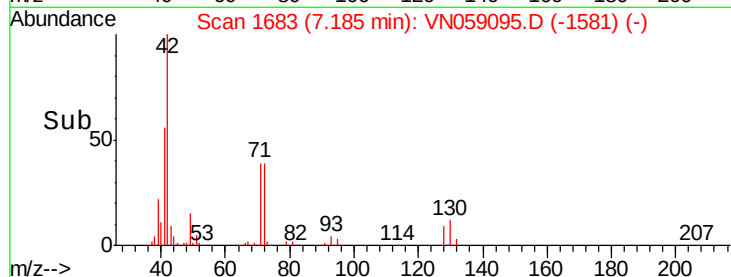
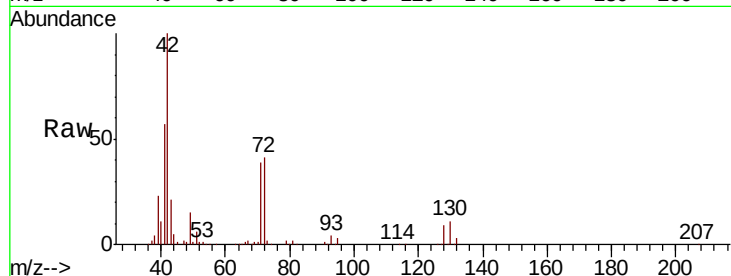




#41
Methacrylonitrile
Concen: 157.927 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

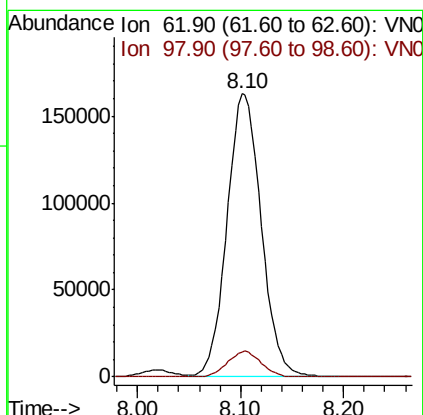
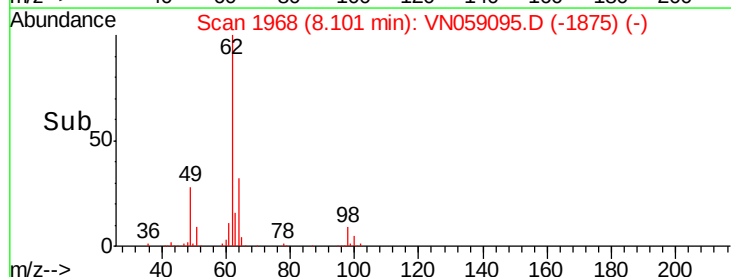
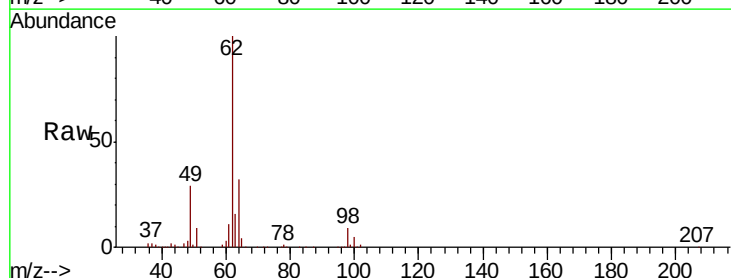
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

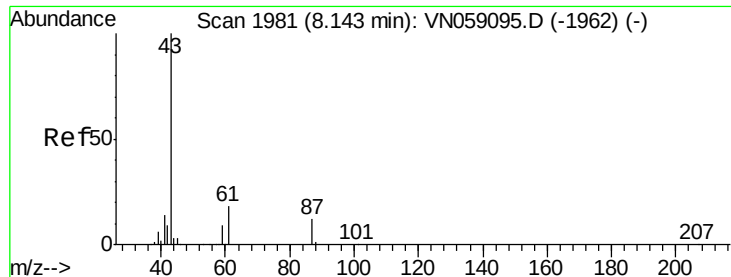
Tot Ion:	41	Resp:	589775
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 46.944 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion:	62	Resp:	374817
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8

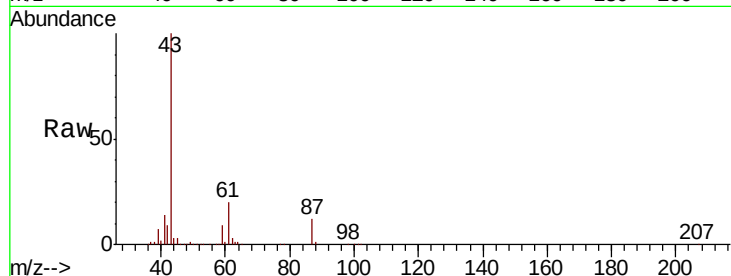




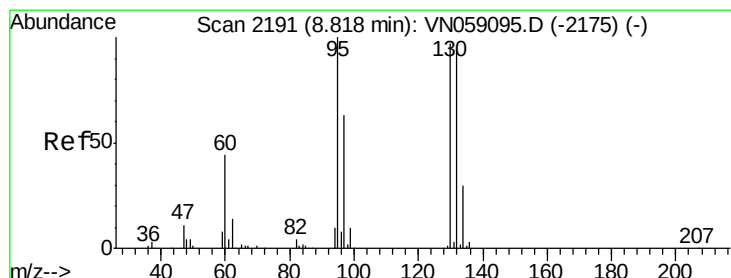
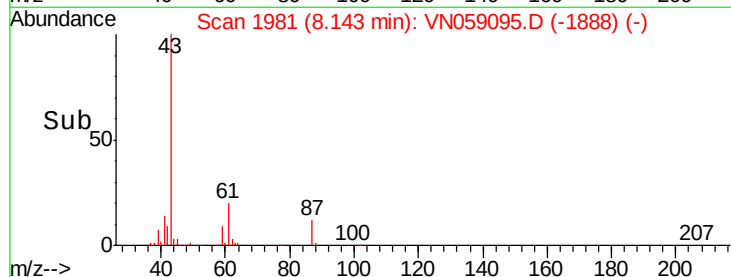
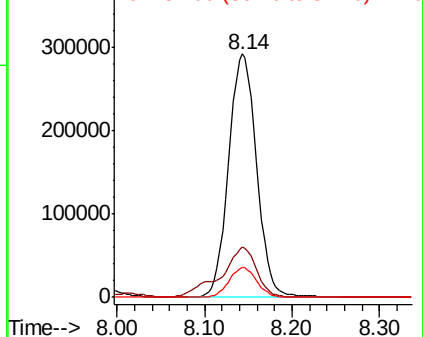
#43
Isopropyl Acetate
Concen: 48.294 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 647432
Ion Ratio Lower Upper
43 100
61 26.3 21.0 31.6
87 12.2 9.8 14.6

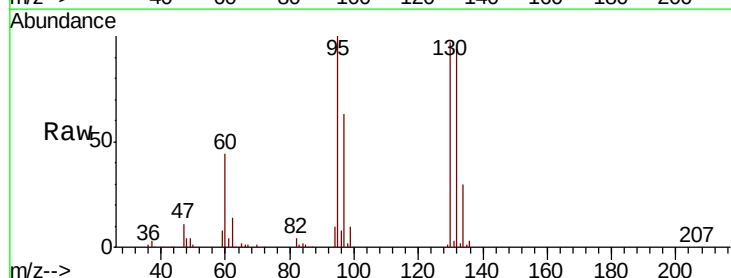


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

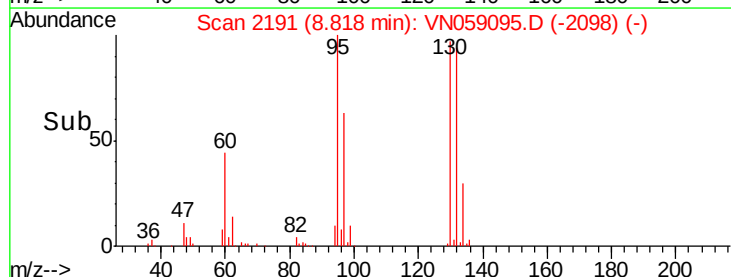
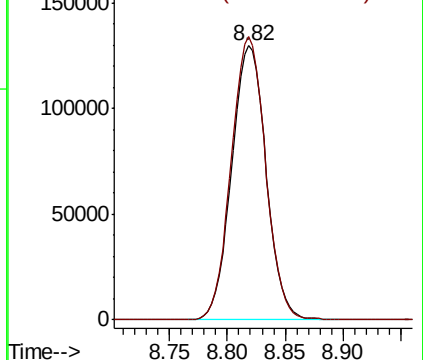


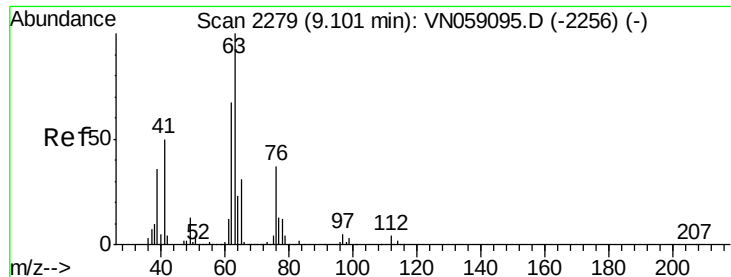
#44
Trichloroethene
Concen: 47.420 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion:130 Resp: 268380
Ion Ratio Lower Upper
130 100
95 103.2 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

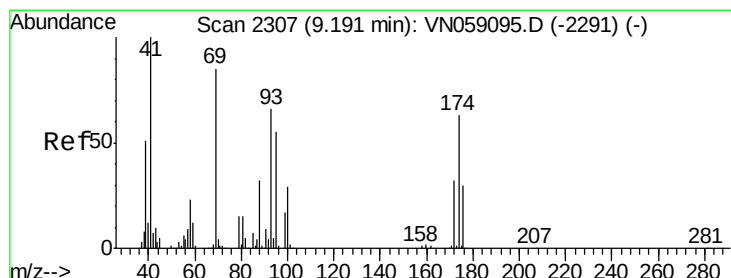
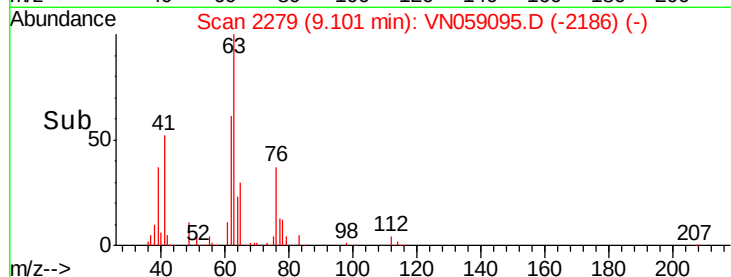
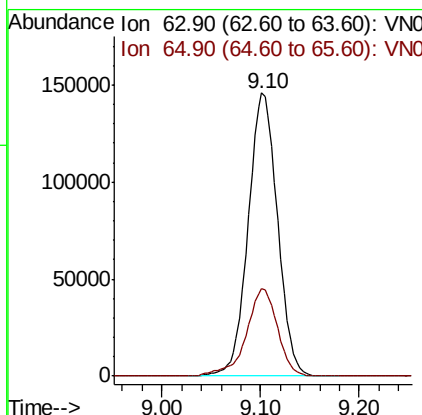
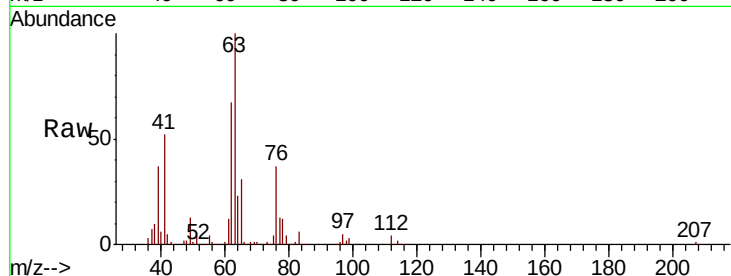




#45
 1,2-Dichloropropane
 Concen: 48.094 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

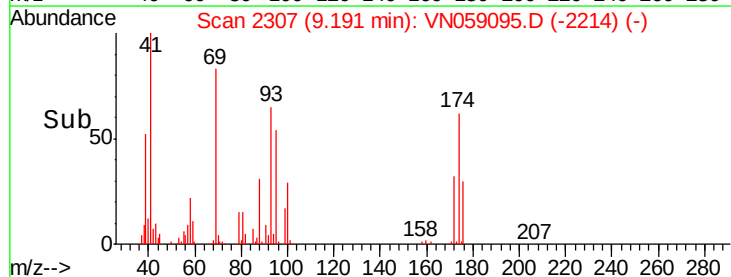
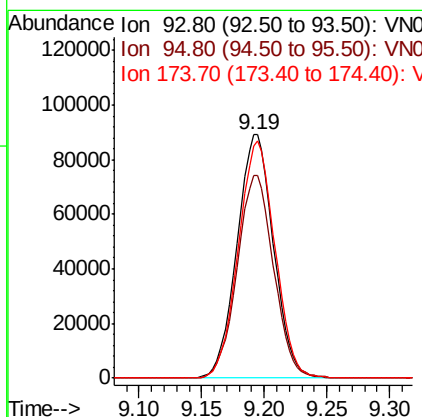
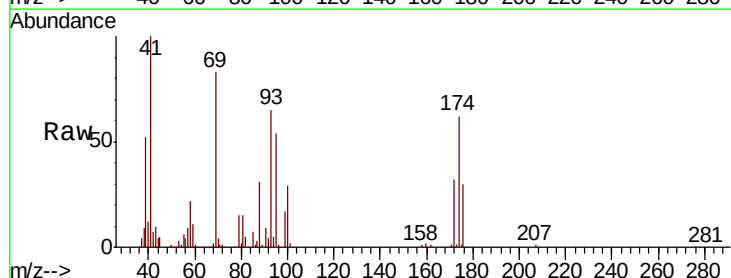
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

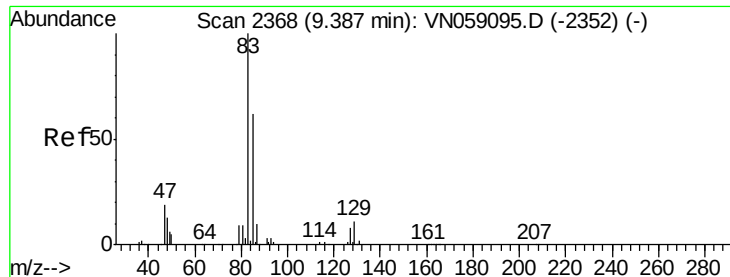
Tot Ion: 63 Resp: 299141
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#46
 Dibromomethane
 Concen: 47.026 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 93 Resp: 180552
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 97.7 78.2 117.2





#47

Bromodichloromethane

Concen: 48.136 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

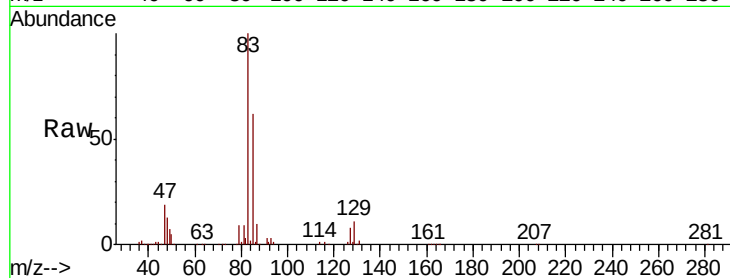
Tot Ion: 83 Resp: 374995

Ion Ratio Lower Upper

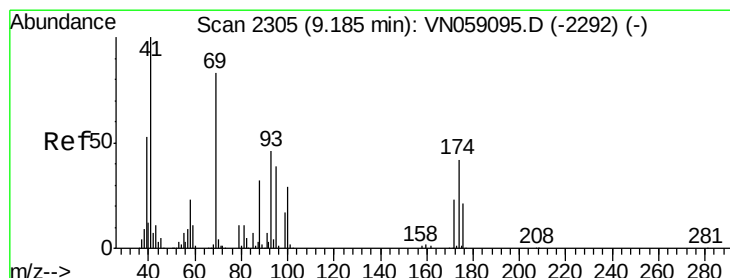
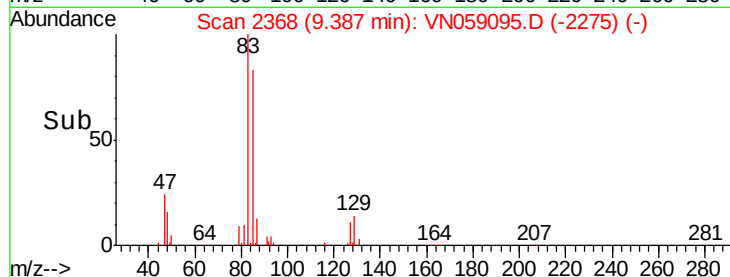
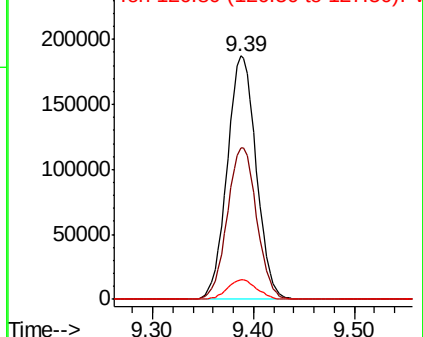
83 100

85 62.1 49.7 74.5

127 8.0 6.4 9.6



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



#48

Methyl methacrylate

Concen: 48.518 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

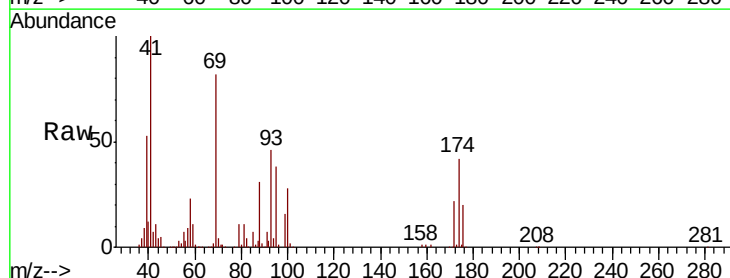
Tgt Ion: 41 Resp: 296739

Ion Ratio Lower Upper

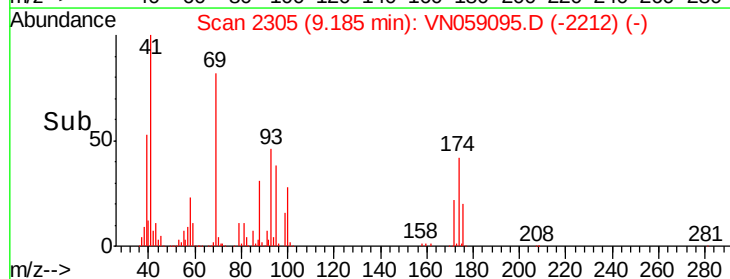
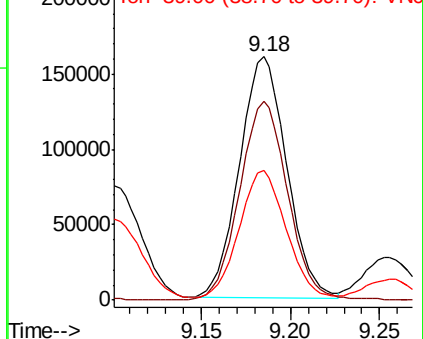
41 100

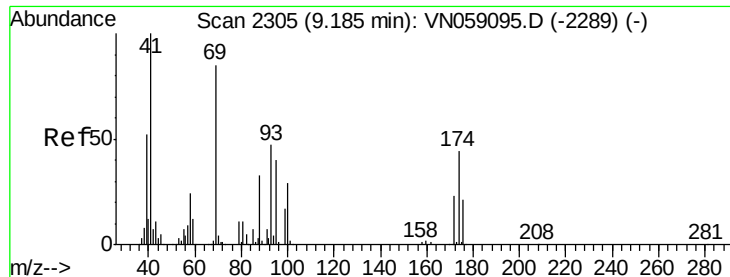
69 84.1 67.3 100.9

39 54.1 43.3 64.9



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

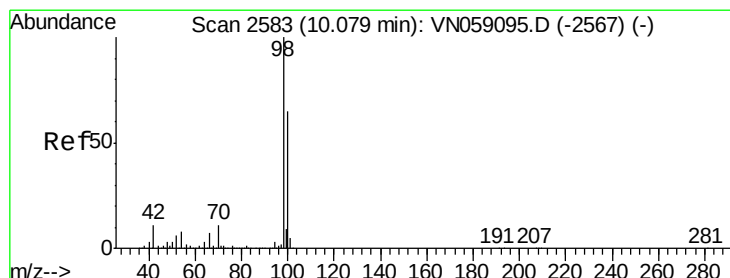
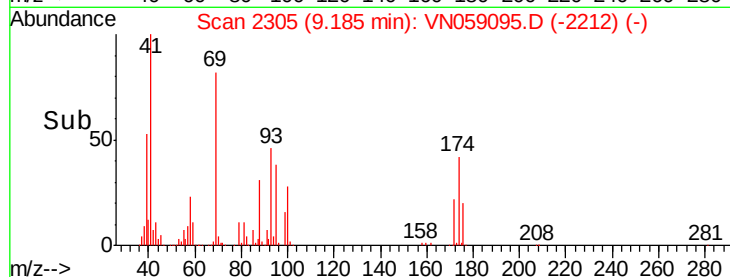
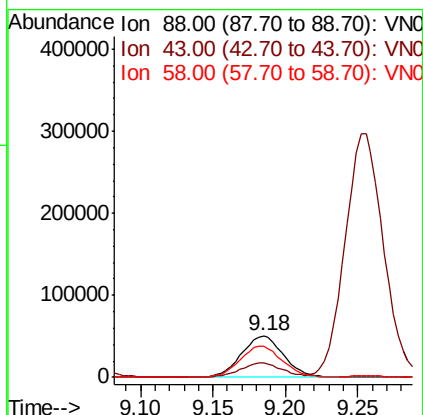
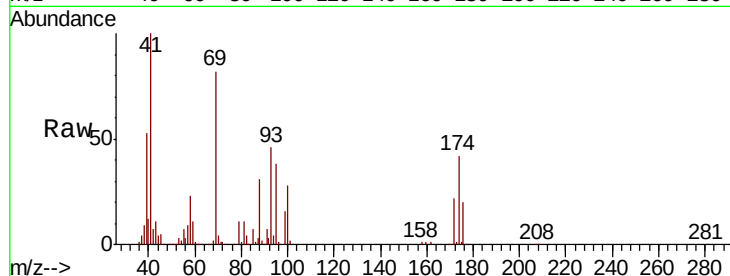




#49
1,4-Dioxane
Concen: 1034.799 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

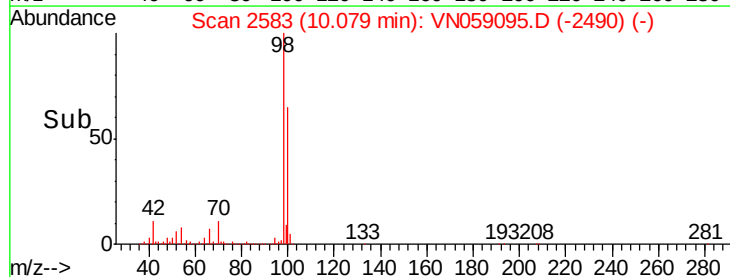
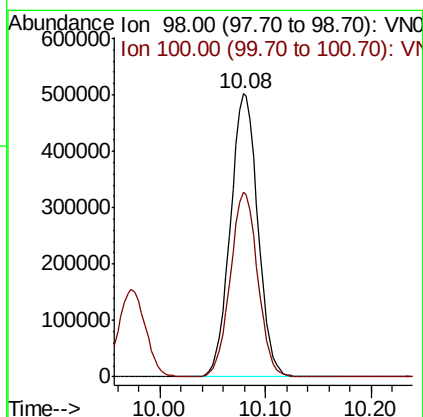
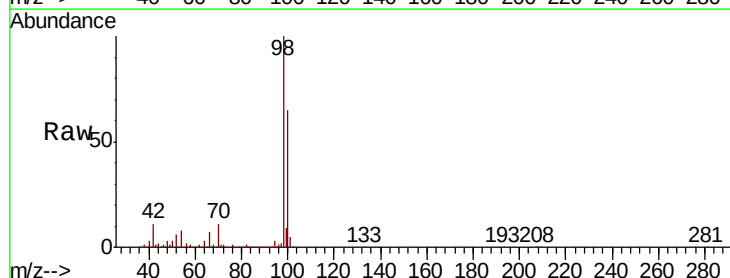
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

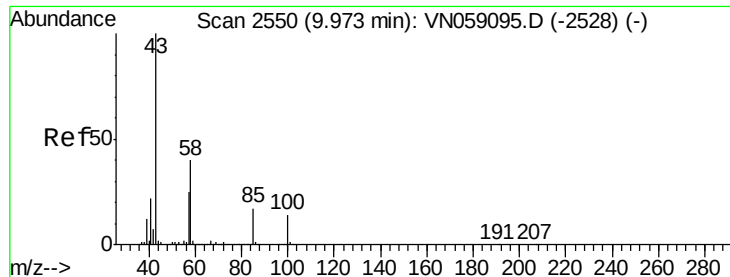
Tot Ion: 88 Resp: 102560
Ion Ratio Lower Upper
88 100
43 32.9 26.3 39.5
58 75.7 60.6 90.8



#50
Toluene-d8
Concen: 47.079 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 98 Resp: 902428
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 260.258 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

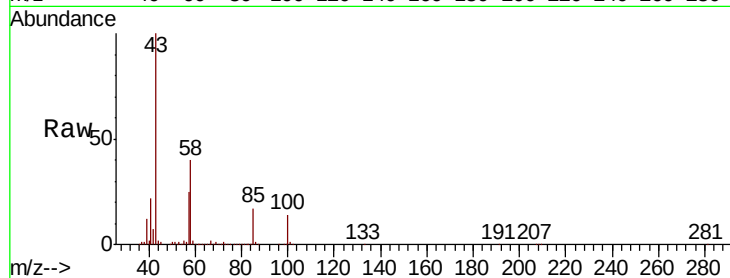
VSTDICCC050

Tot Ion: 43 Resp: 2032714

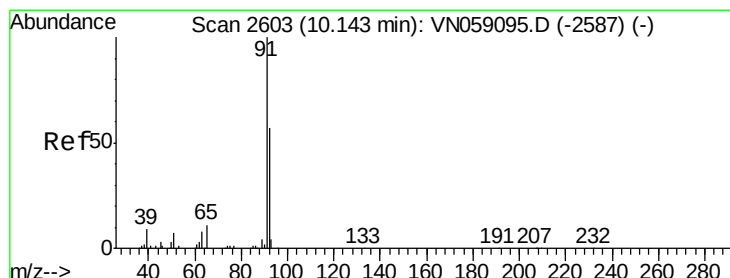
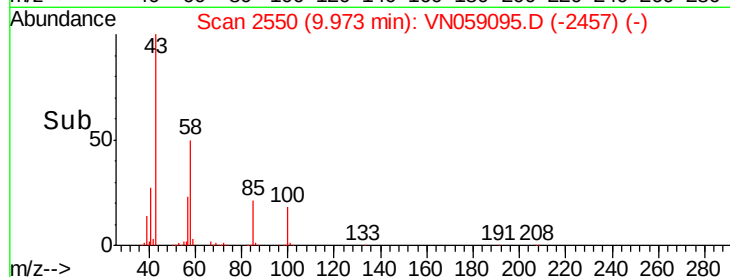
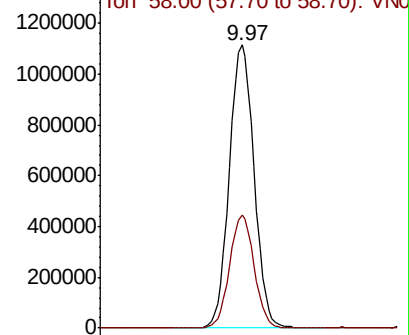
Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)



#52

Toluene

Concen: 49.137 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059095.D

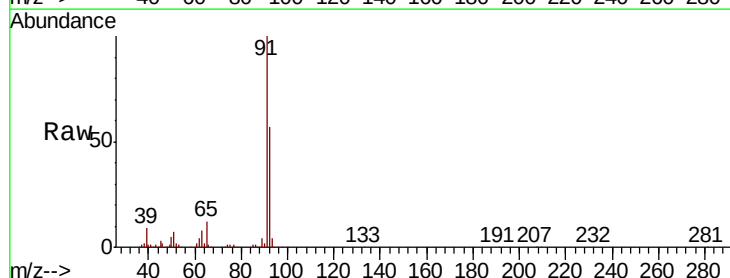
Acq: 6 Nov 2019 10:01

Tgt Ion: 92 Resp: 660390

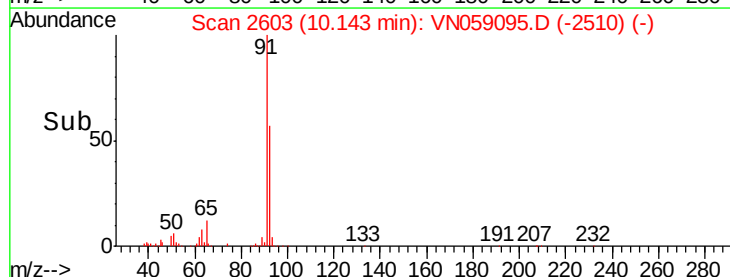
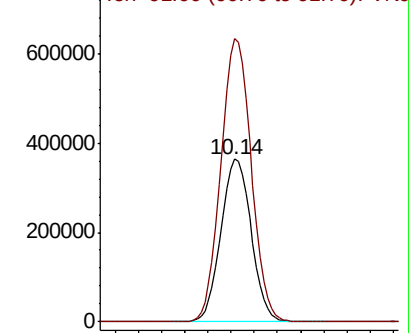
Ion Ratio Lower Upper

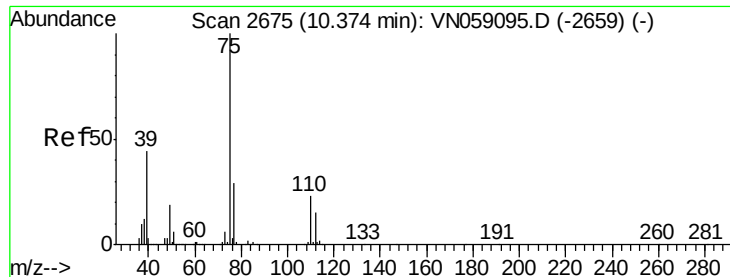
92 100

91 174.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 48.002 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

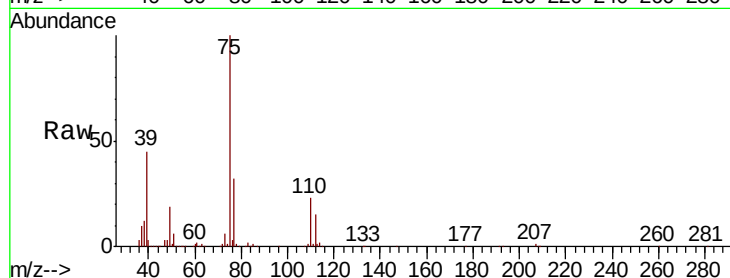
VSTDICCC050

Tot Ion: 75 Resp: 431211

Ion Ratio Lower Upper

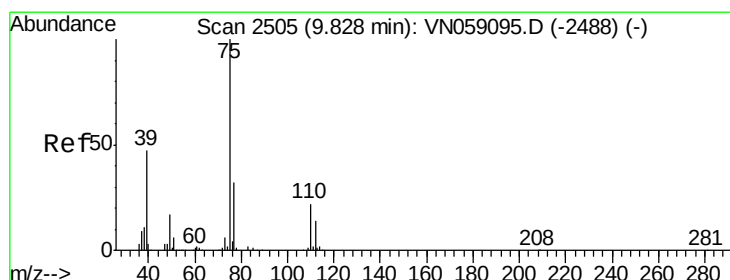
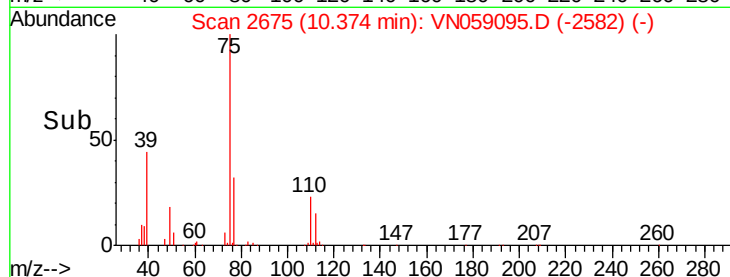
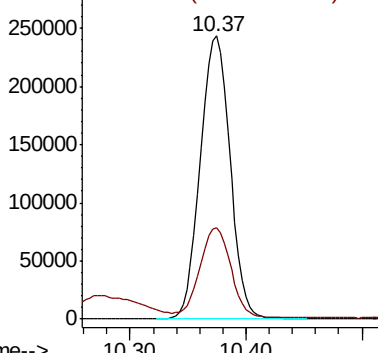
75 100

77 31.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.421 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

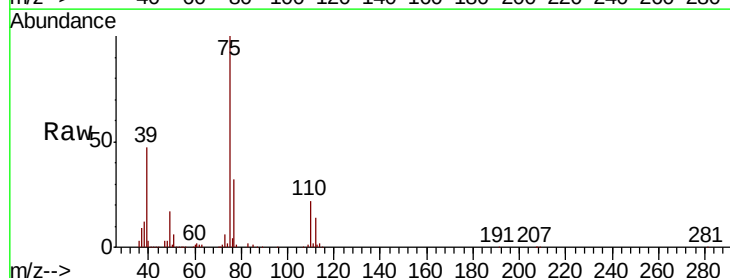
Tgt Ion: 75 Resp: 467832

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

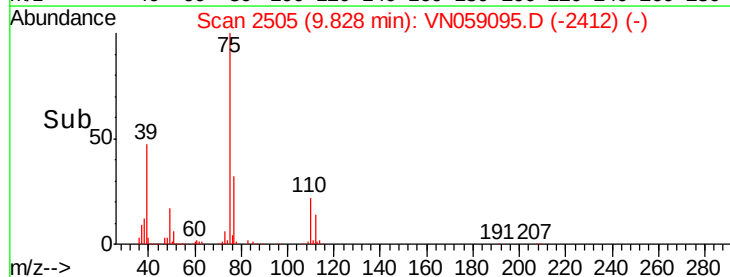
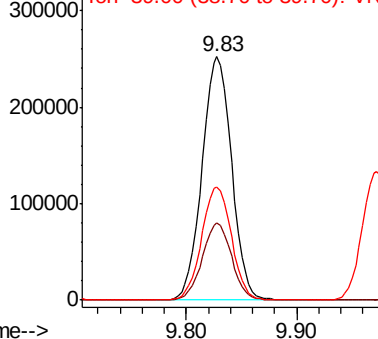
39 46.6 37.3 55.9

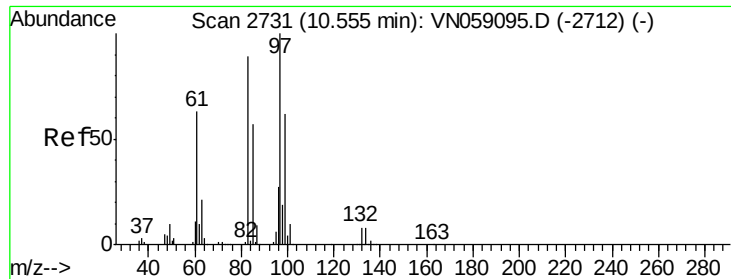


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

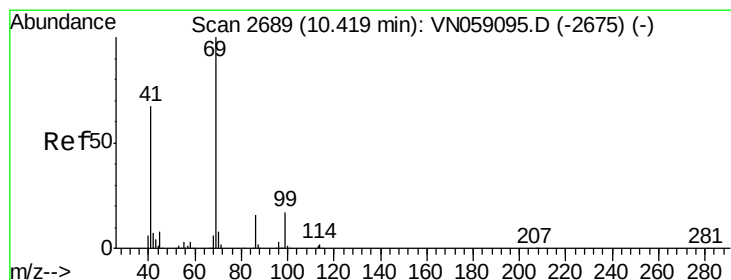
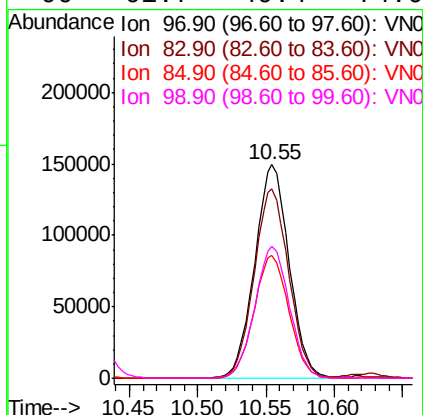
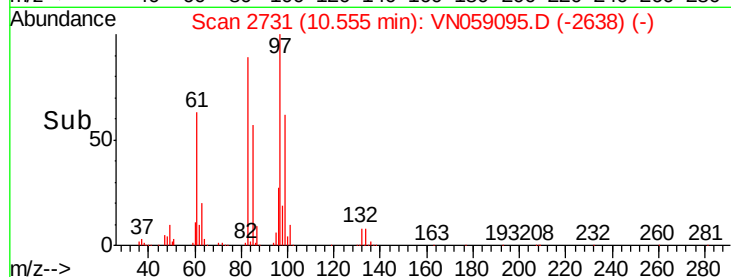
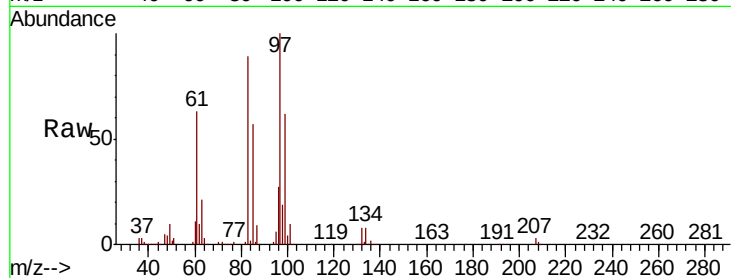




#55
 1,1,2-Trichloroethane
 Concen: 47.717 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

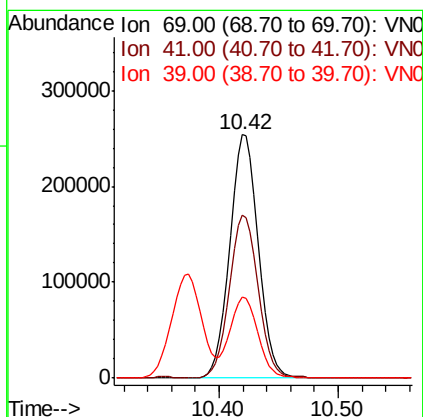
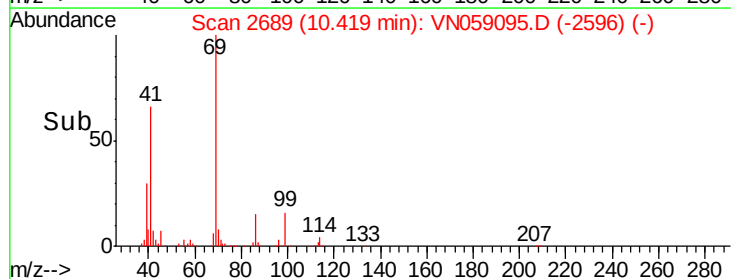
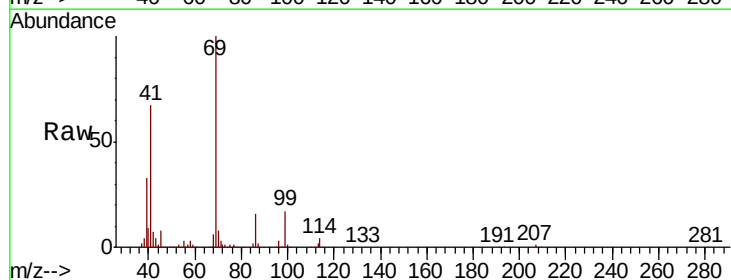
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

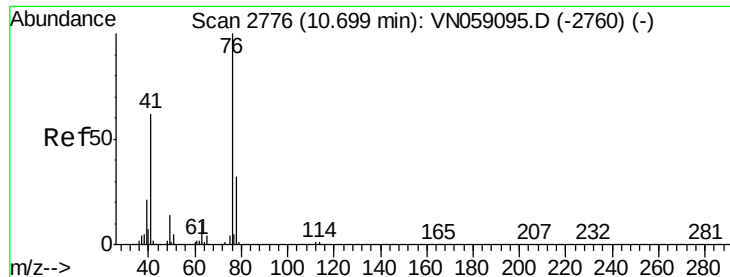
Tot Ion: 97 Resp: 262193
 Ion Ratio Lower Upper
 97 100
 83 88.7 71.0 106.4
 85 57.3 45.8 68.8
 99 61.7 49.4 74.0



#56
 Ethyl methacrylate
 Concen: 51.192 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 69 Resp: 422923
 Ion Ratio Lower Upper
 69 100
 41 67.0 53.6 80.4
 39 32.8 26.2 39.4





#57

1,3-Dichloropropane

Concen: 48.156 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

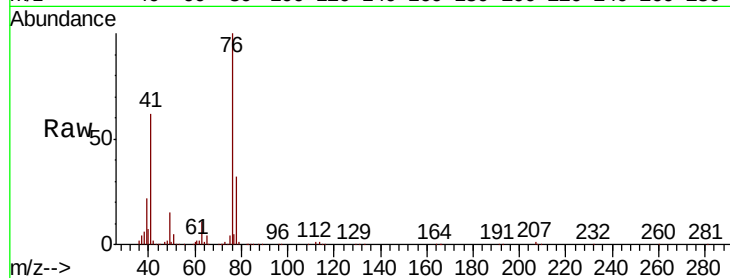
VSTDICCC050

Tot Ion: 76 Resp: 459518

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

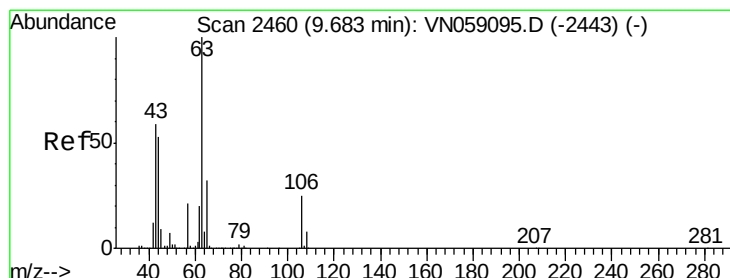
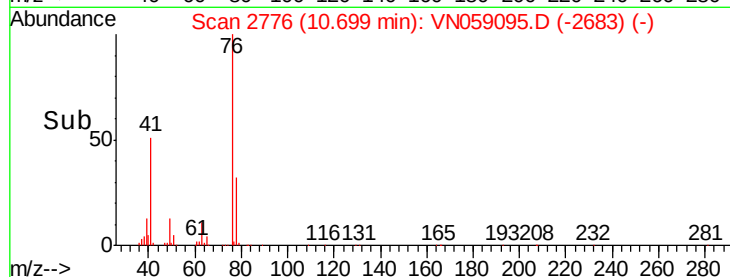
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 258.992 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059095.D

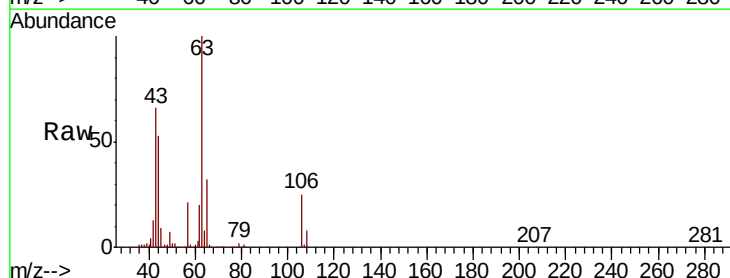
Acq: 6 Nov 2019 10:01

Tgt Ion: 63 Resp: 849181

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

500000

400000

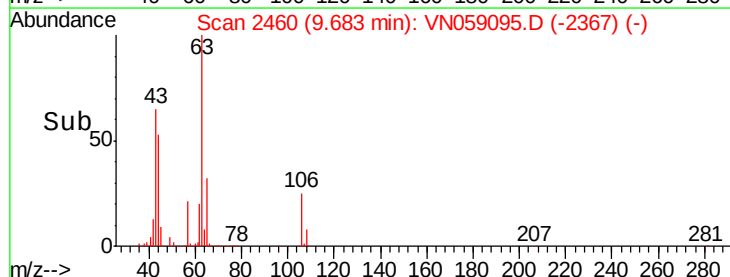
300000

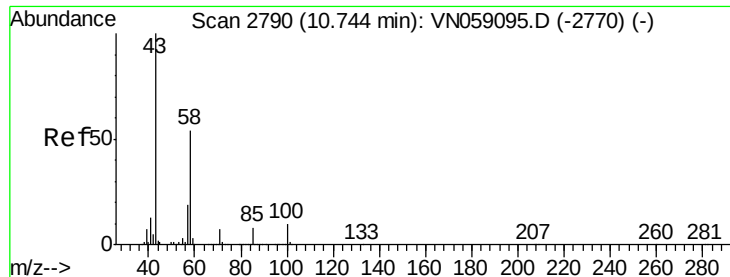
200000

100000

0

Time--> 9.60 9.70 9.80

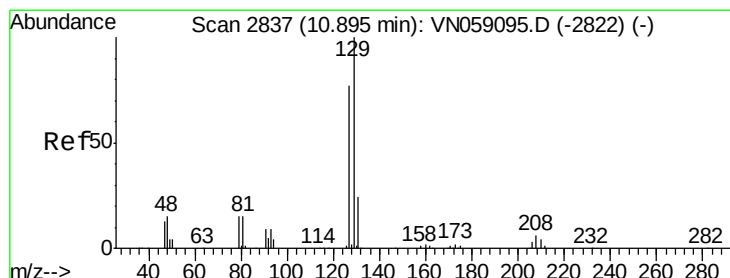
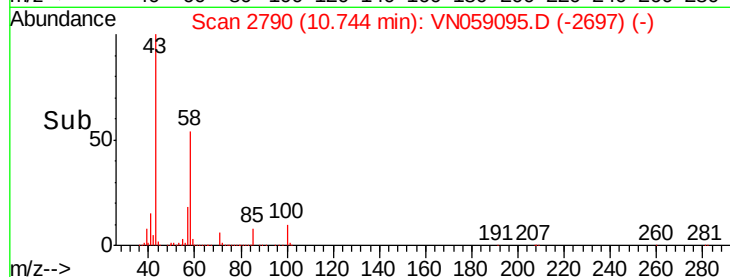
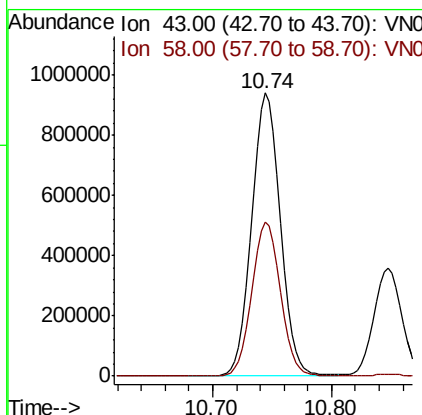
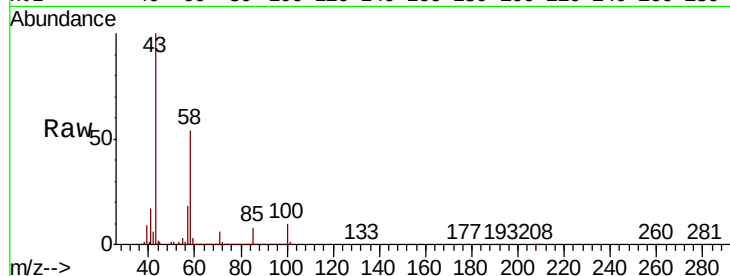




#59
2-Hexanone
Concen: 264.393 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

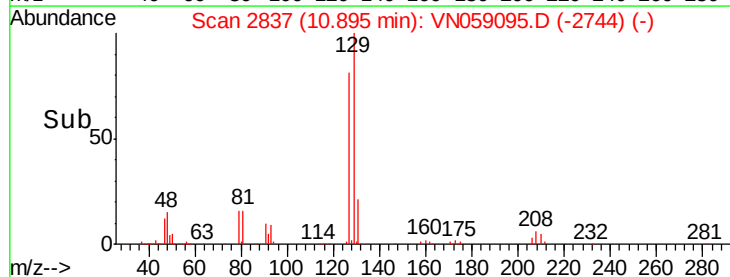
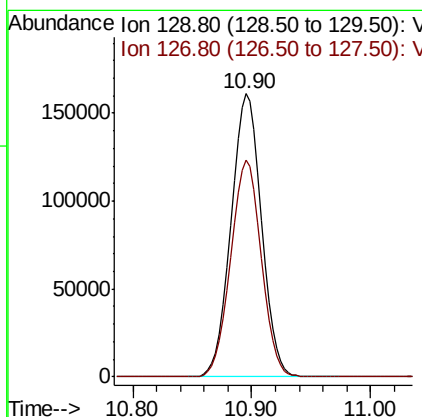
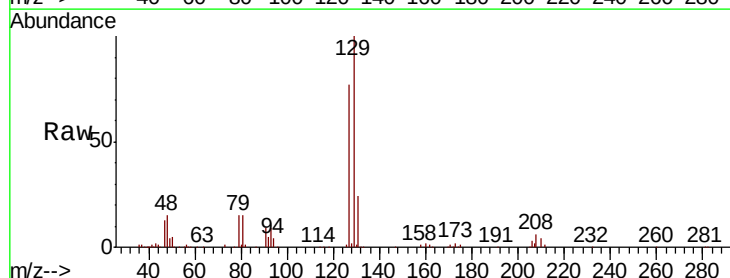
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

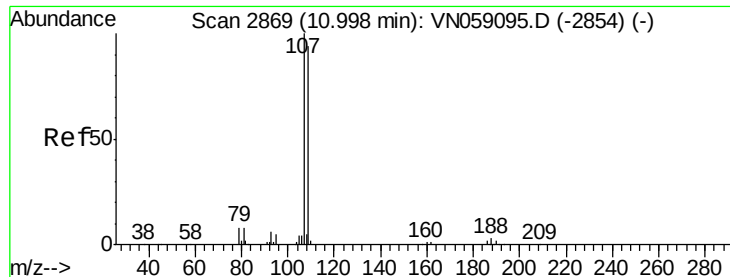
Tot Ion: 43 Resp: 1568745
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 48.214 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion: 129 Resp: 284491
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

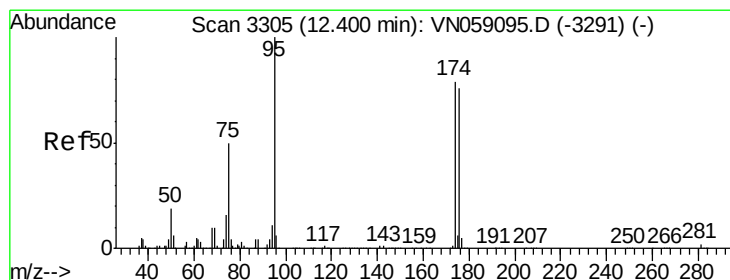
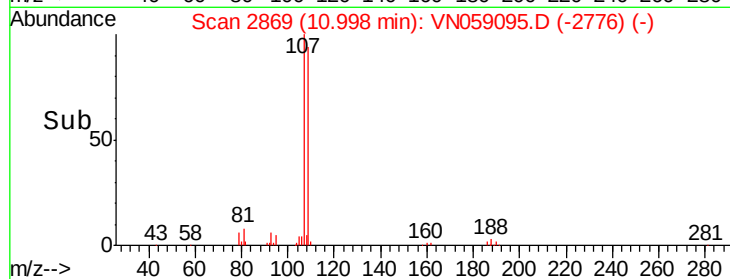
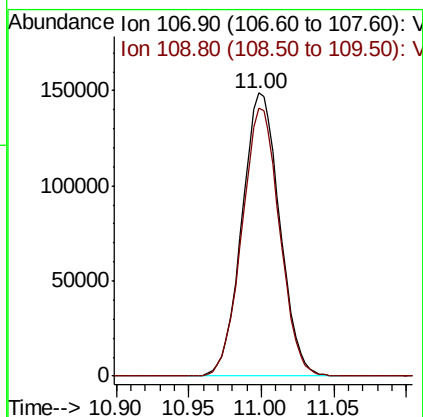
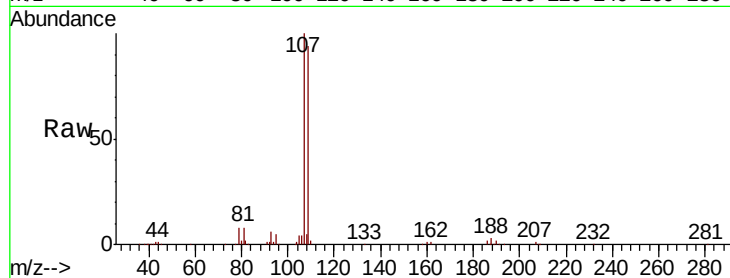




#61
 1,2-Dibromoethane
 Concen: 48.585 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

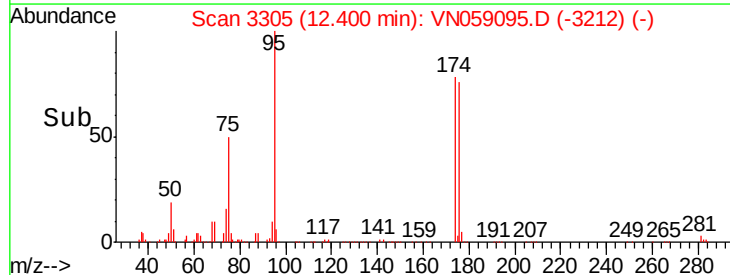
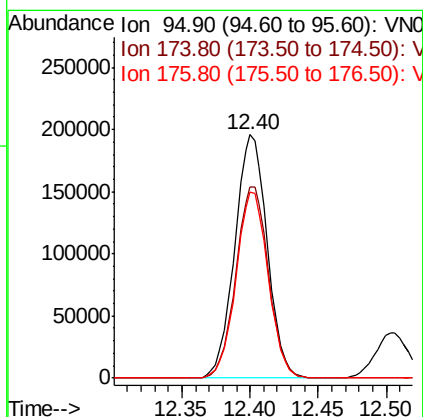
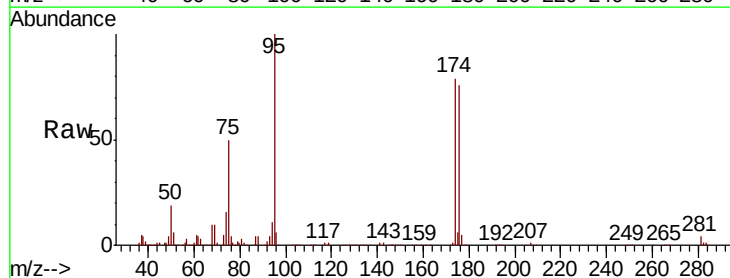
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

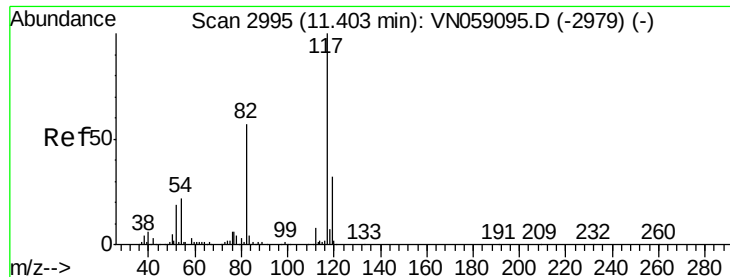
Tot Ion: 107 Resp: 269565
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 46.956 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 95 Resp: 322433
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 158.2
 176 75.9 0.0 151.8

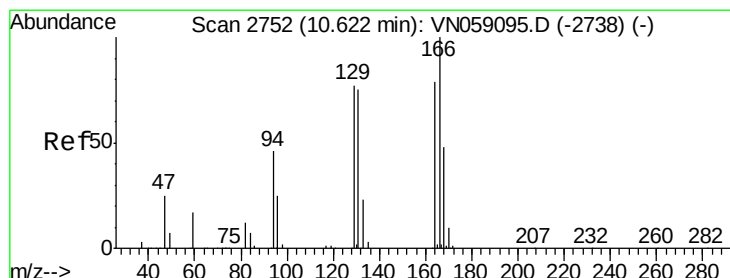
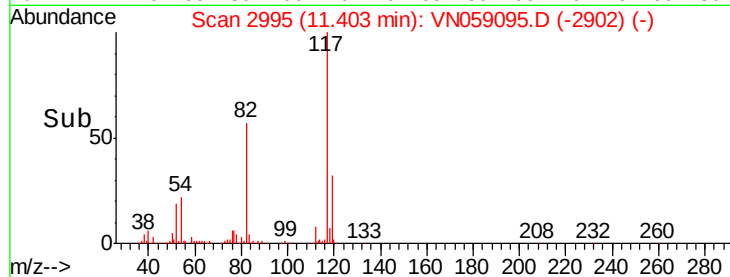
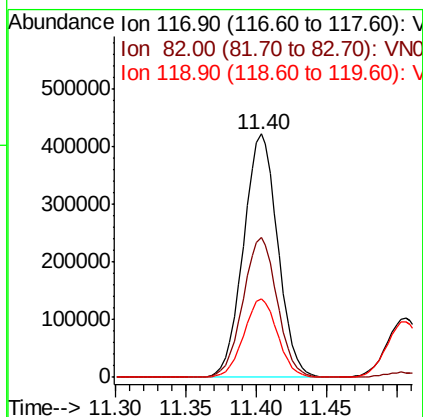
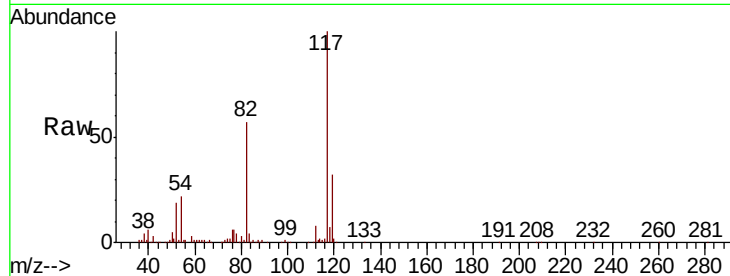




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

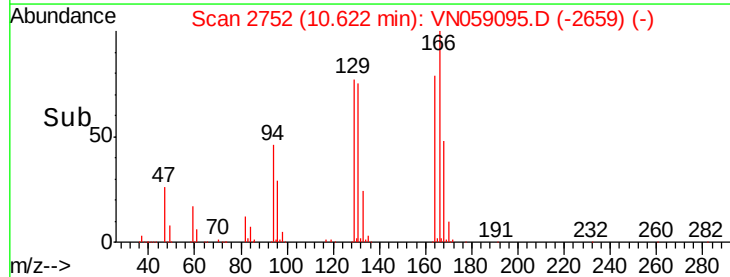
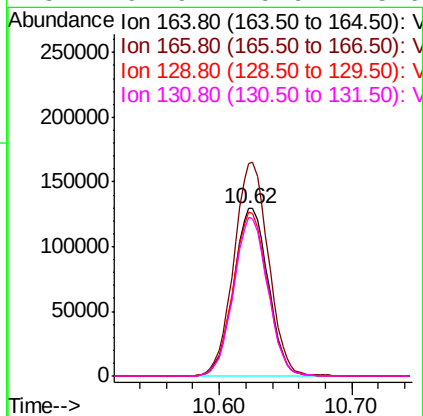
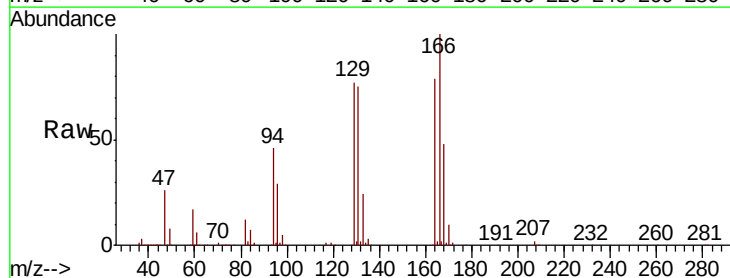
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

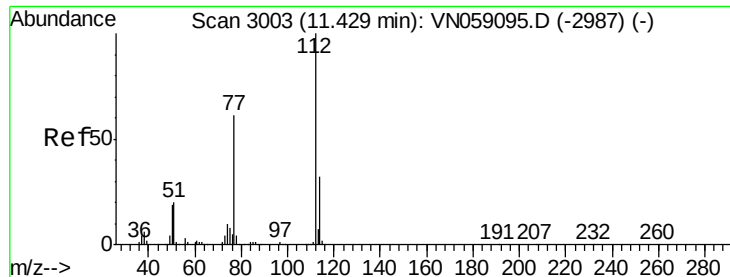
Tot Ion:117 Resp: 716666
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 46.962 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion:164 Resp: 234953
Ion Ratio Lower Upper
164 100
166 126.9 101.5 152.3
129 97.9 78.3 117.5
131 94.9 75.9 113.9

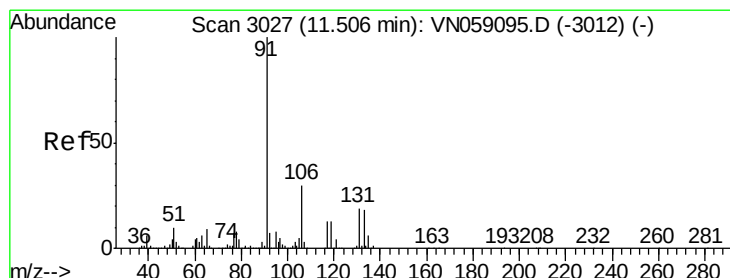
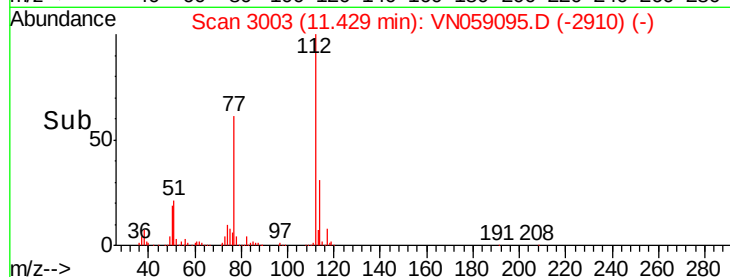
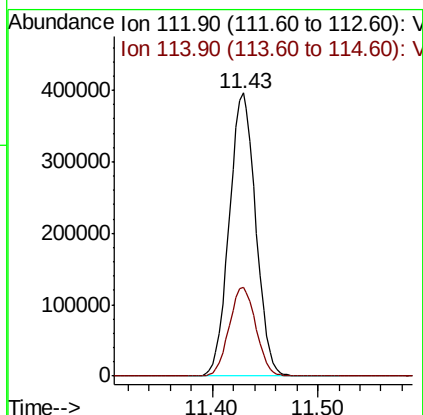
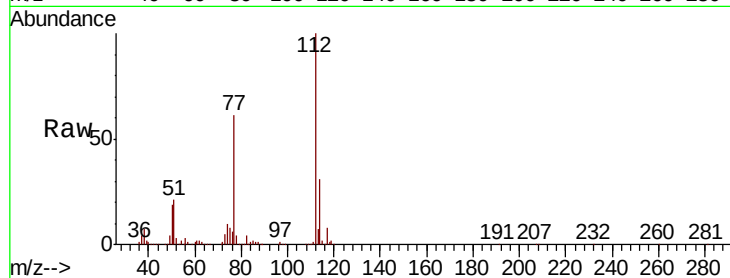




#65
Chlorobenzene
Concen: 46.929 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

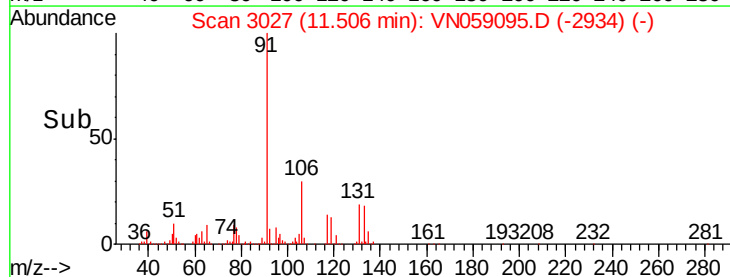
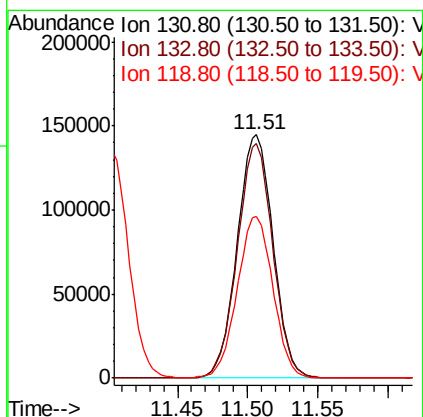
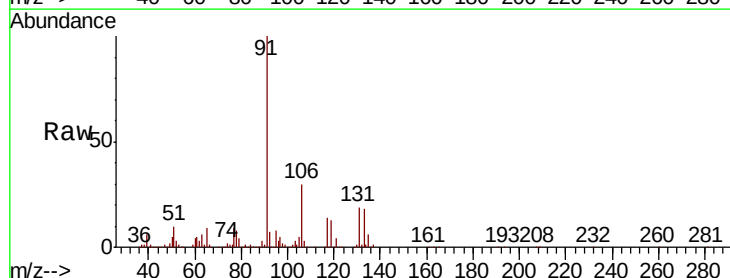
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

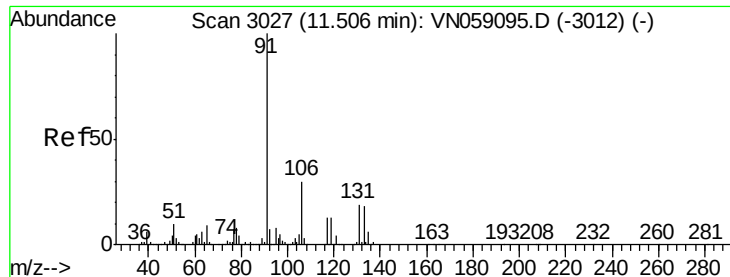
Tot Ion:112 Resp: 687797
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.837 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059095.D
Acq: 6 Nov 2019 10:01

Tgt Ion:131 Resp: 258343
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 50.286 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

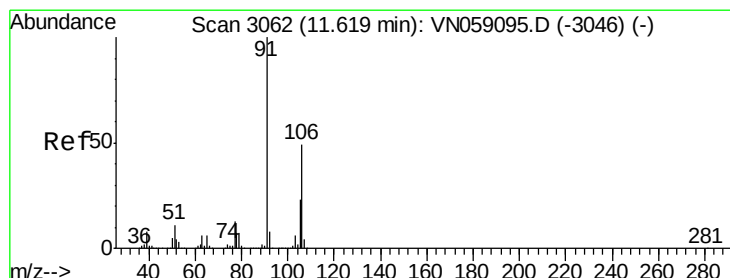
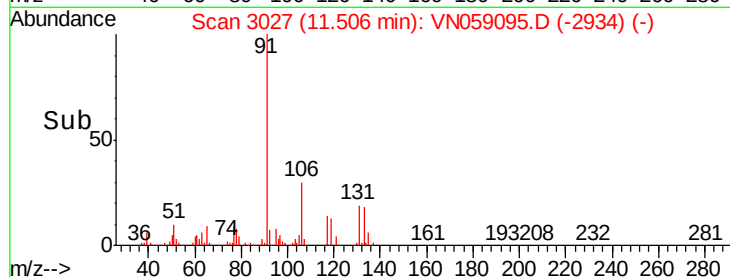
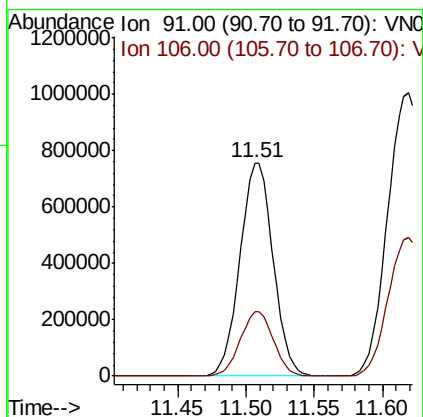
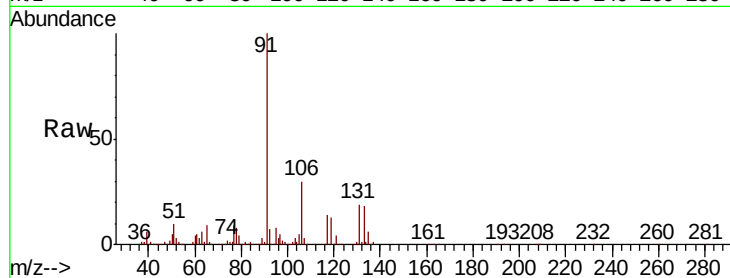
VSTDICCC050

Tot Ion: 91 Resp: 1275362

Ion Ratio Lower Upper

91 100

106 30.1 24.1 36.1



#68

m/p-Xylenes

Concen: 100.008 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059095.D

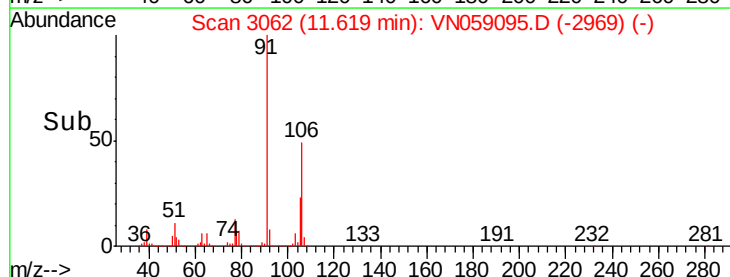
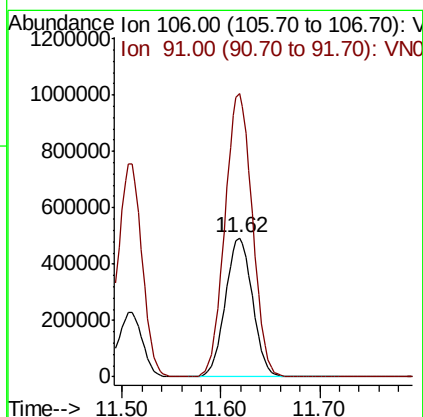
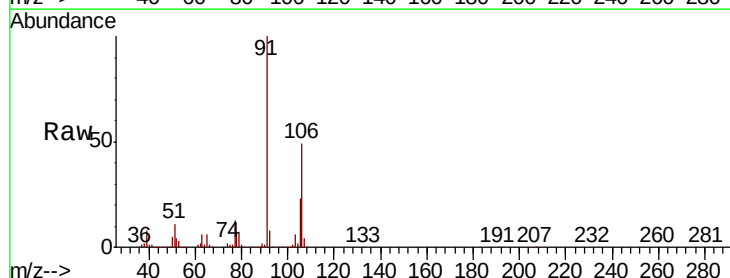
Acq: 6 Nov 2019 10:01

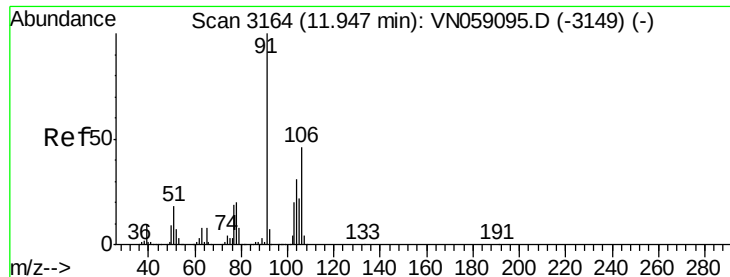
Tgt Ion: 106 Resp: 948516

Ion Ratio Lower Upper

106 100

91 205.9 164.7 247.1





#69

o-Xylene

Concen: 49.777 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

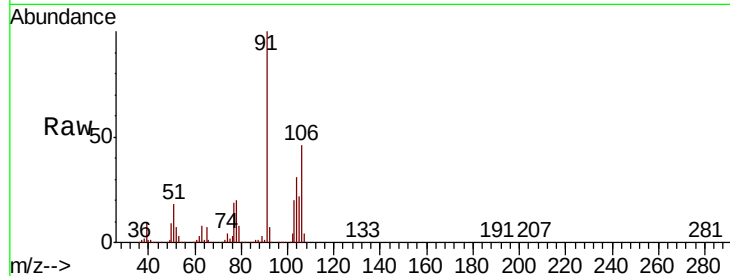
VSTDICCC050

Tot Ion:106 Resp: 450455

Ion Ratio Lower Upper

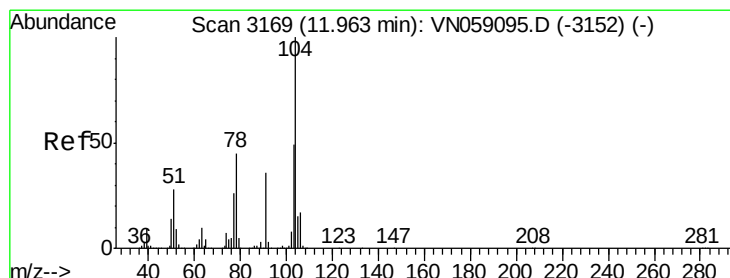
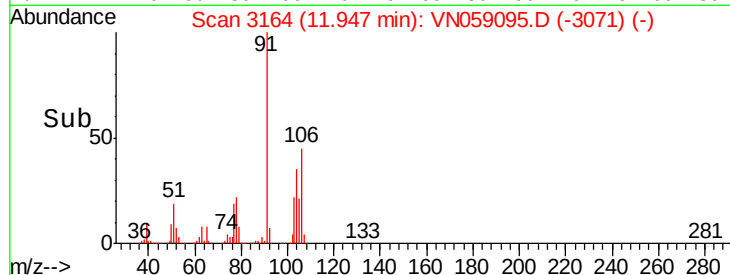
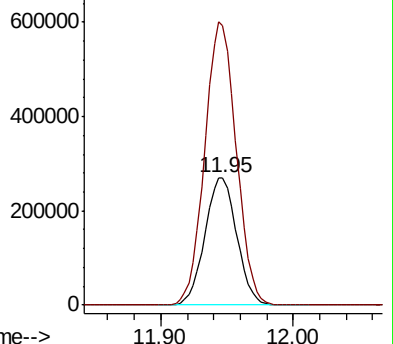
106 100

91 220.2 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 51.294 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

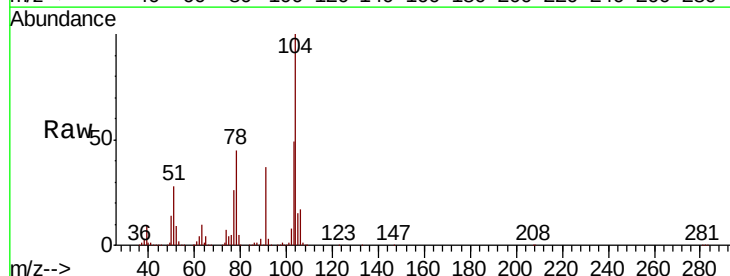
Tgt Ion:104 Resp: 750794

Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

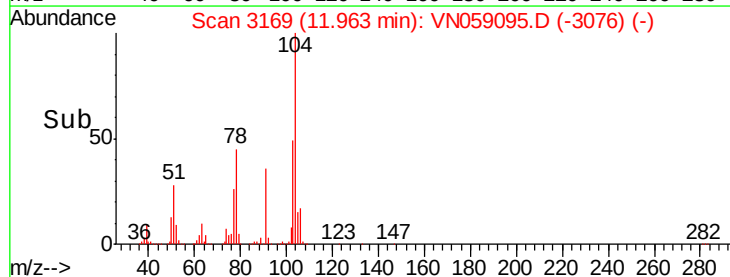
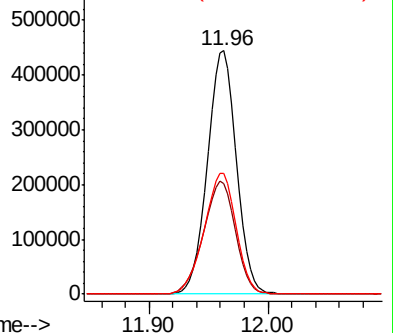
103 54.7 43.8 65.6

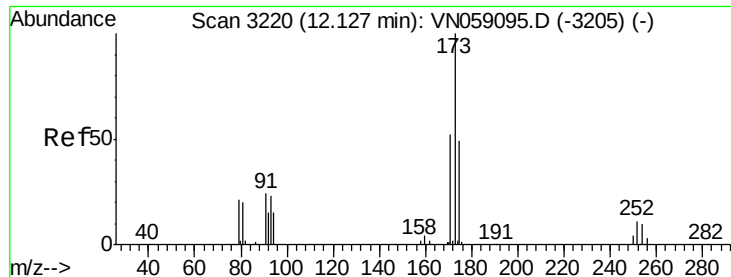


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.603 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

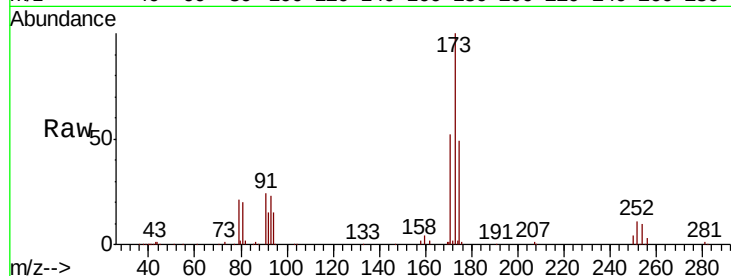
Tot Ion:173 Resp: 207103

Ion Ratio Lower Upper

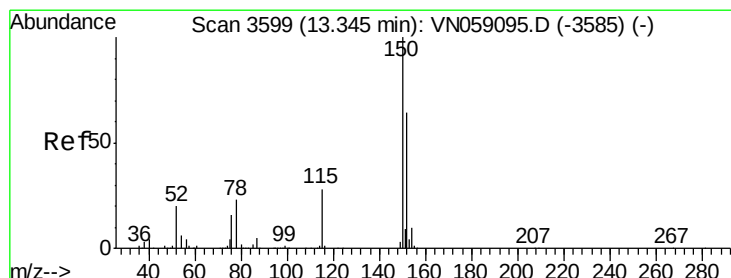
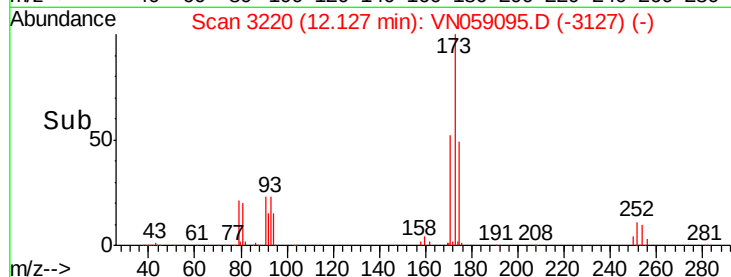
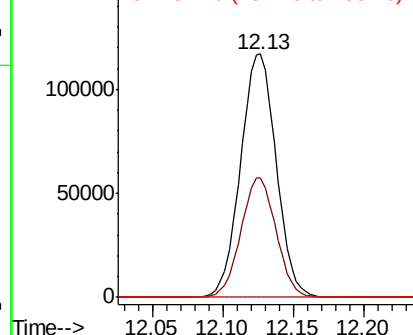
173 100

175 48.4 24.2 72.6

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# 3599

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

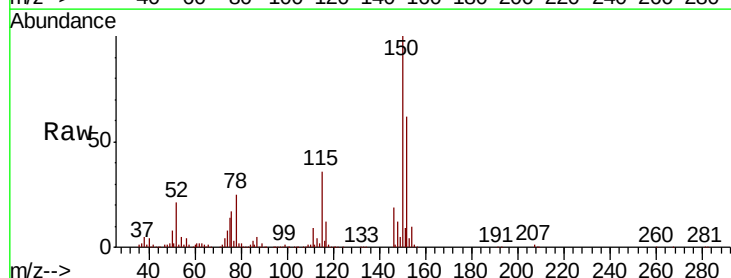
Tgt Ion:152 Resp: 341701

Ion Ratio Lower Upper

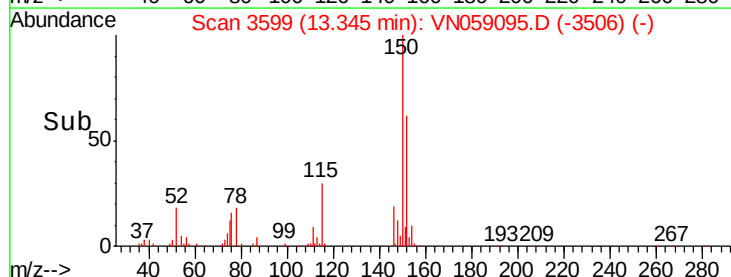
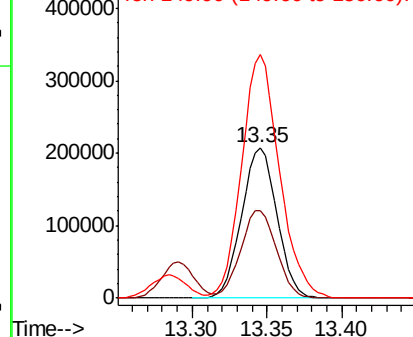
152 100

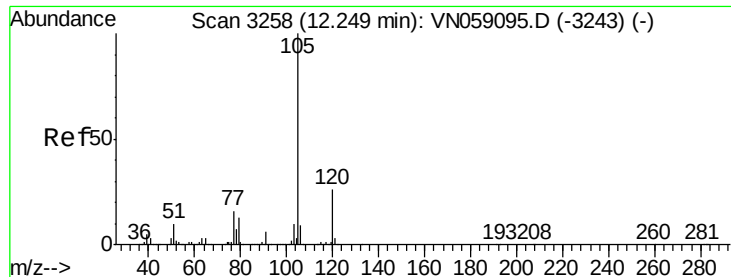
115 58.8 29.4 88.2

150 172.9 0.0 345.8



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: 48.877 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

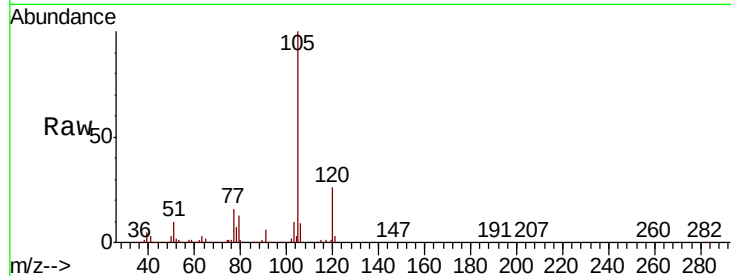
VSTDICCC050

Tot Ion:105 Resp: 1225792

Ion Ratio Lower Upper

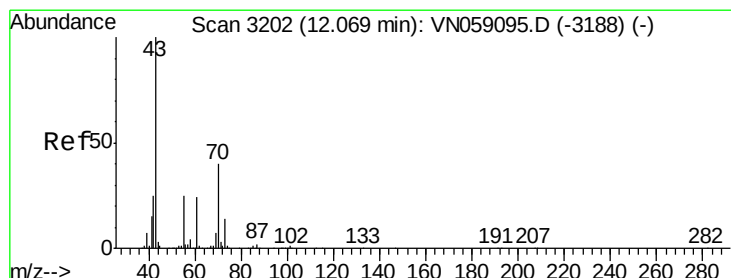
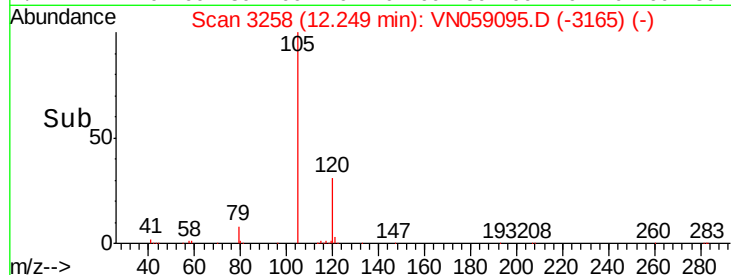
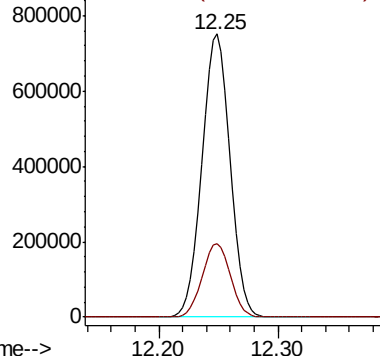
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.272 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion: 43 Resp: 546903

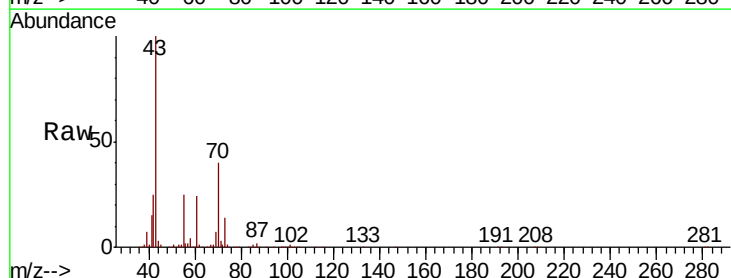
Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 25.5 20.4 30.6

61 24.1 19.3 28.9

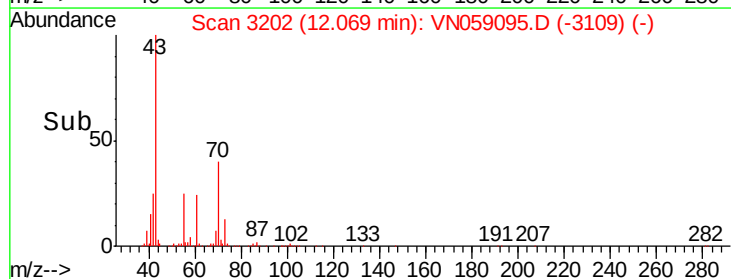
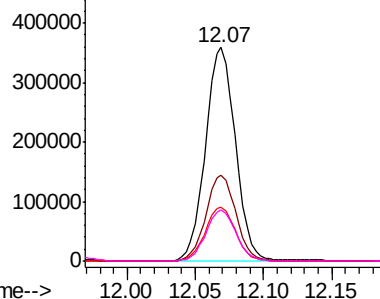


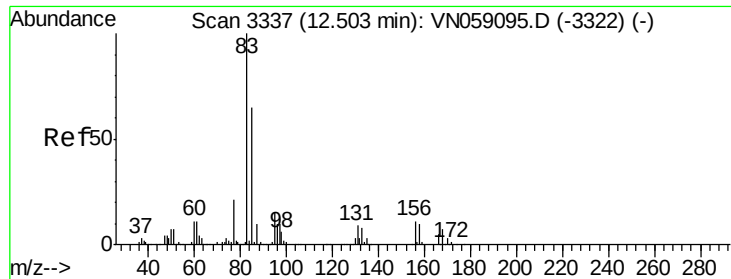
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.474 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

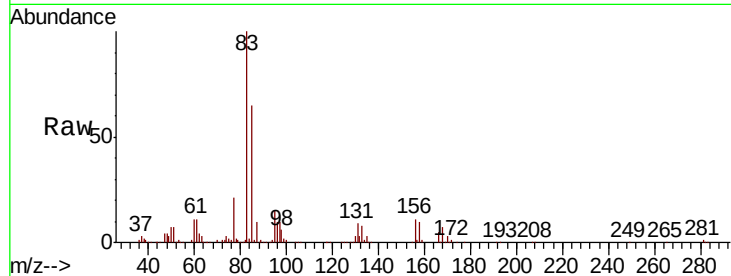
Tot Ion: 83 Resp: 406330

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

85 64.8 32.4 97.2

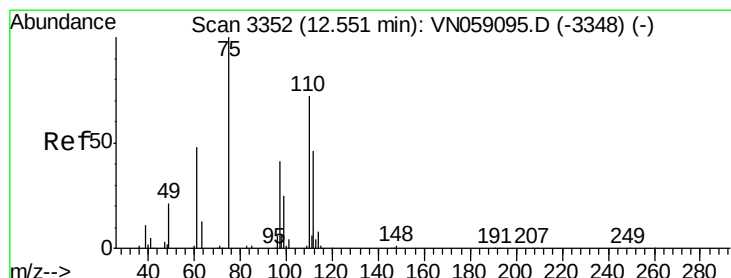
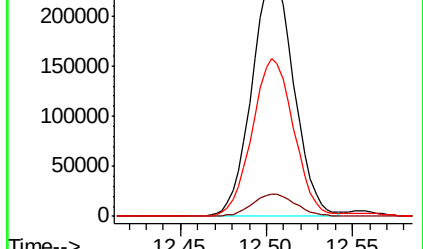
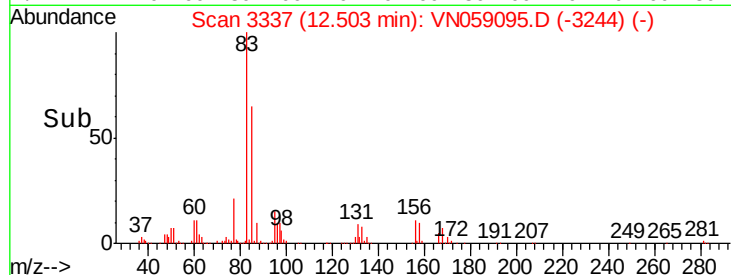


Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN059095.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.823 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059095.D

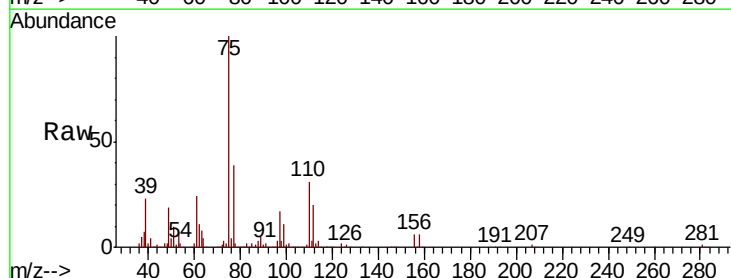
Acq: 6 Nov 2019 10:01

Tgt Ion: 75 Resp: 541616

Ion Ratio Lower Upper

75 100

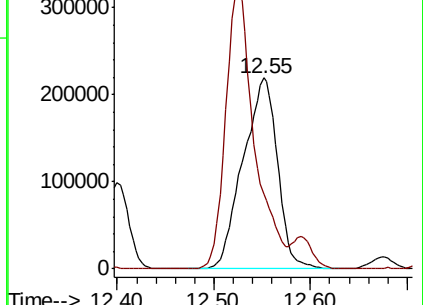
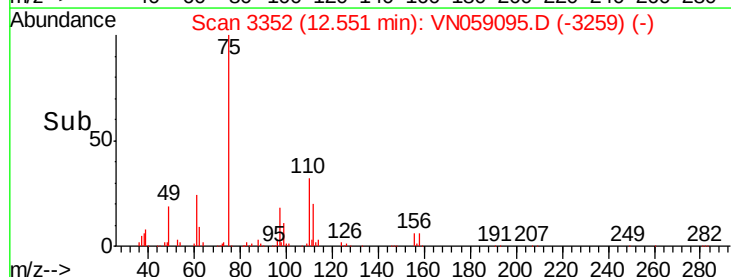
77 0.0 0.0 0.0

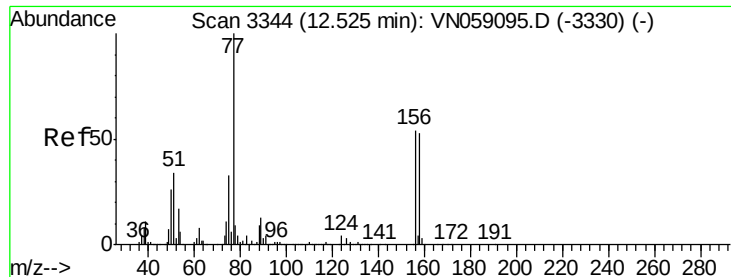


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059095.D (-3352) (-)

Time-->





#77

Bromobenzene

Concen: 47.248 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

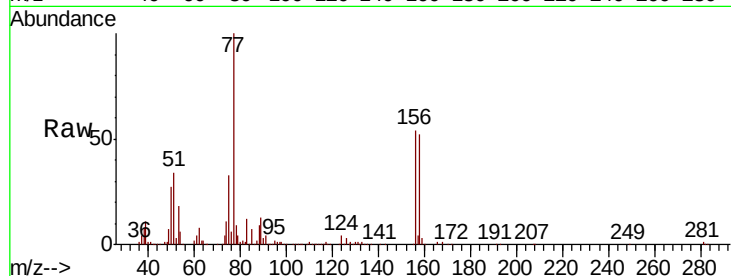
Tot Ion:156 Resp: 297305

Ion Ratio Lower Upper

156 100

77 225.5 112.8 338.3

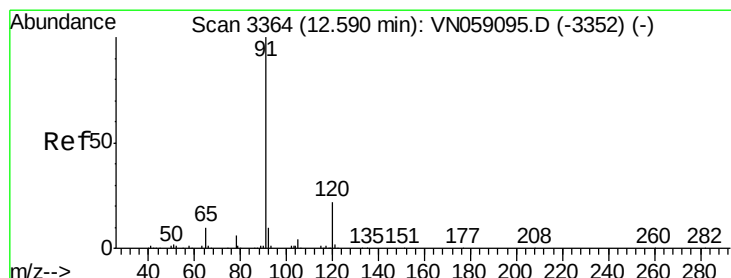
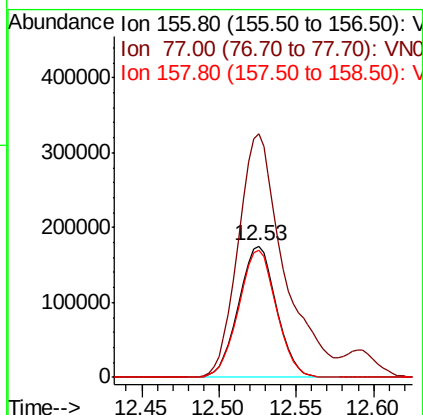
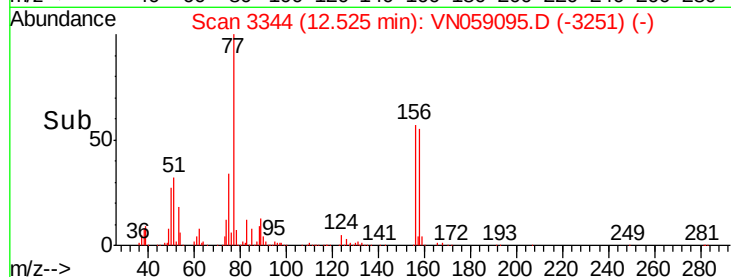
158 96.9 48.4 145.3



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: 49.912 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059095.D

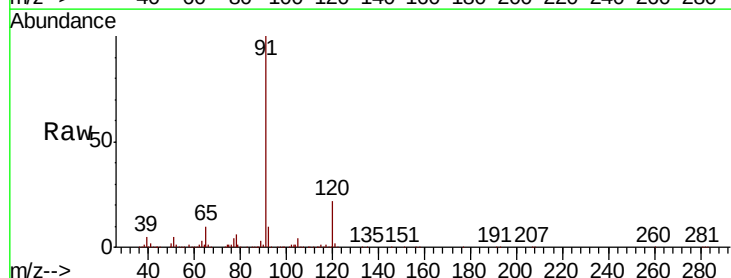
Acq: 6 Nov 2019 10:01

Tgt Ion: 91 Resp: 1446623

Ion Ratio Lower Upper

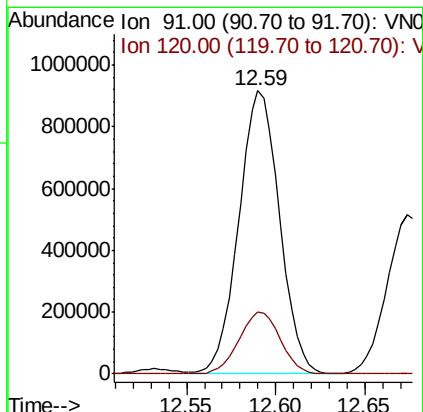
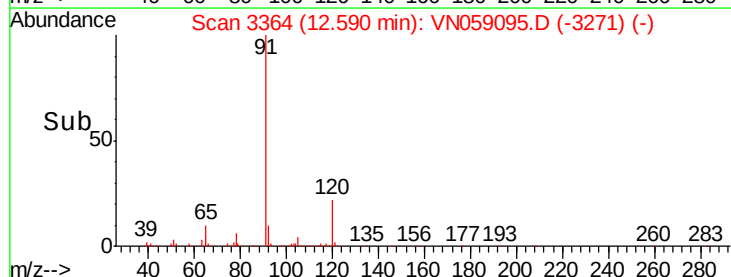
91 100

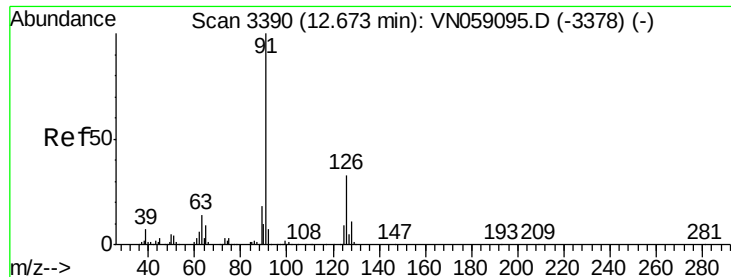
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

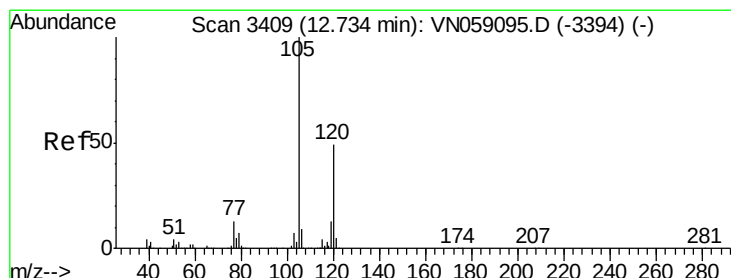
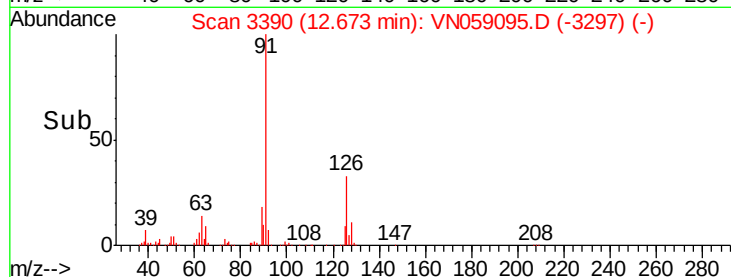
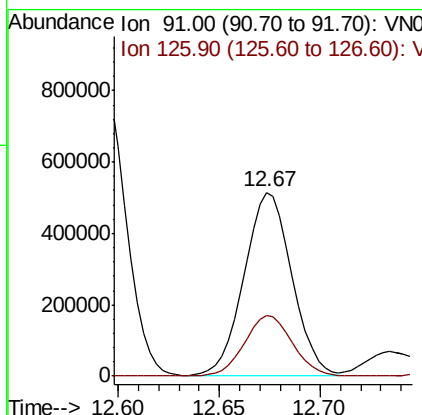
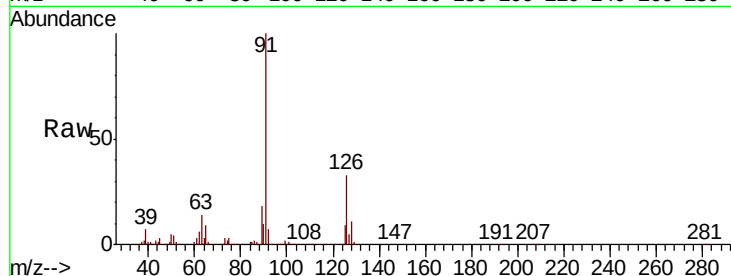




#79
 2-Chlorotoluene
 Concen: 47.147 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

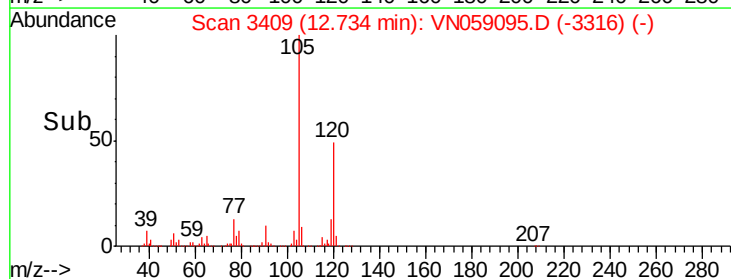
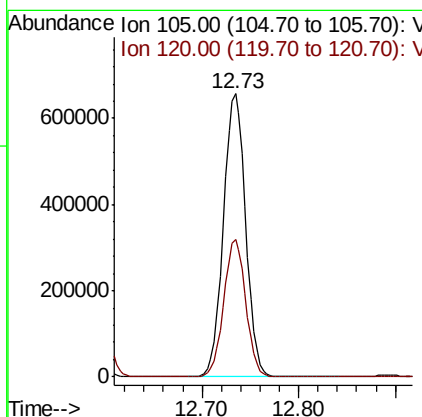
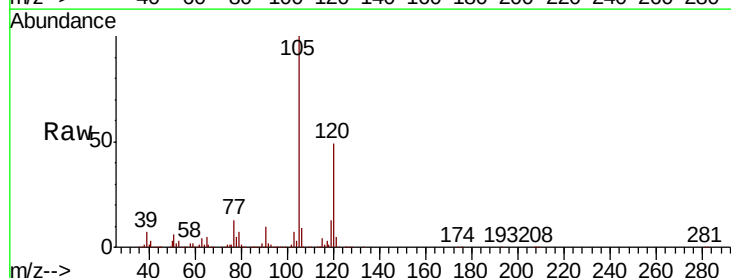
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

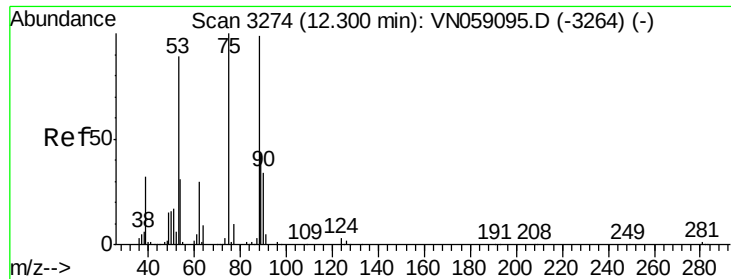
Tot Ion: 91 Resp: 848538
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.036 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion: 105 Resp: 1045854
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.900 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

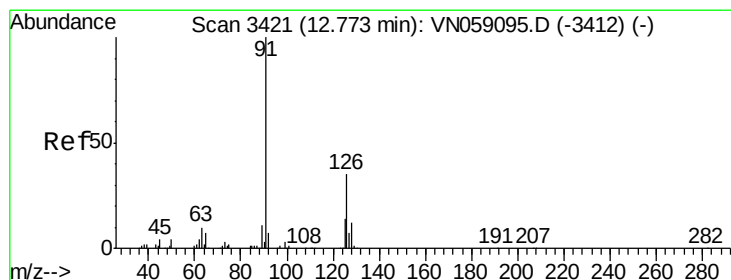
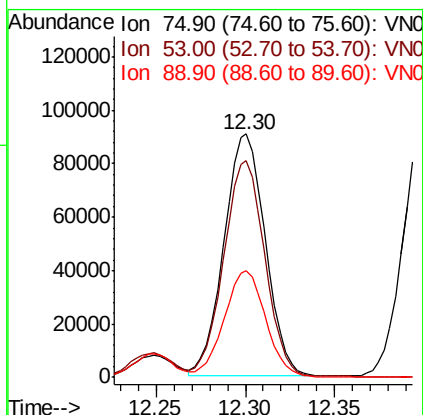
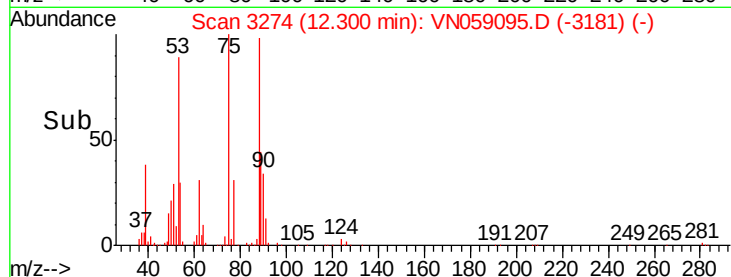
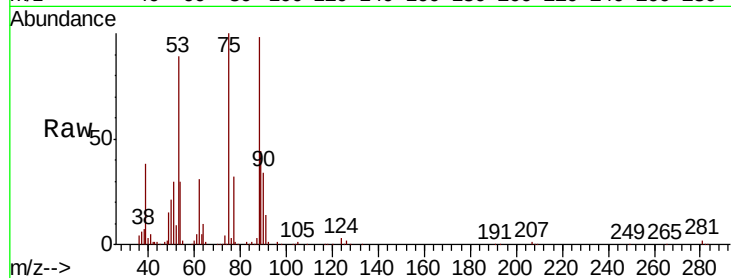
Tot Ion: 75 Resp: 146040

Ion Ratio Lower Upper

75 100

53 90.2 72.2 108.2

89 44.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 47.765 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059095.D

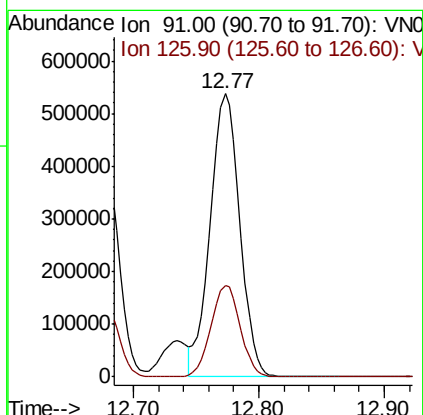
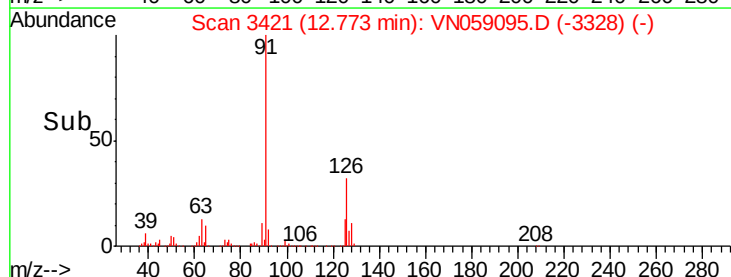
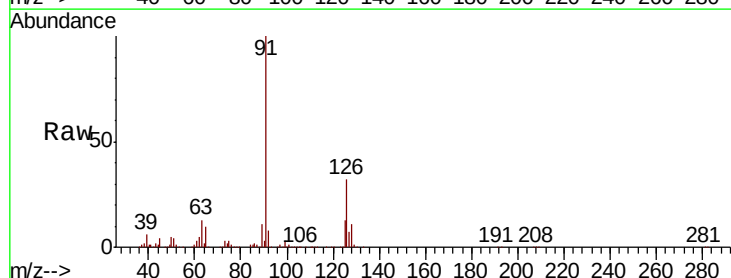
Acq: 6 Nov 2019 10:01

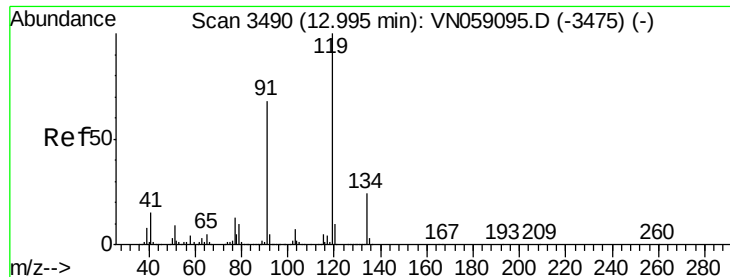
Tgt Ion: 91 Resp: 878184

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.2

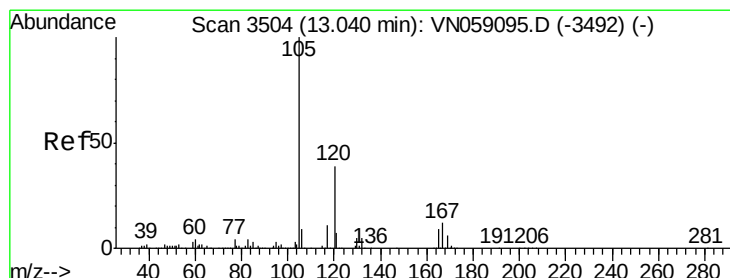
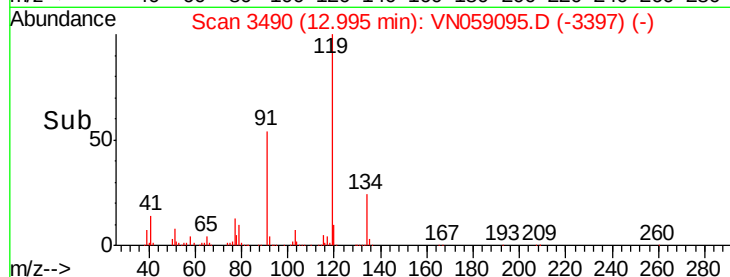
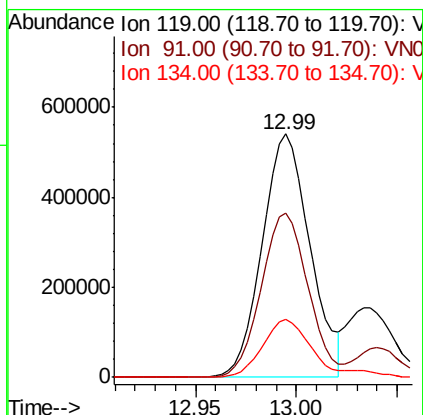
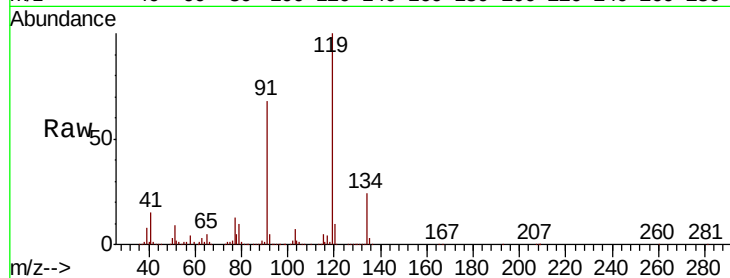




#83
 tert-Butylbenzene
 Concen: 49.126 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

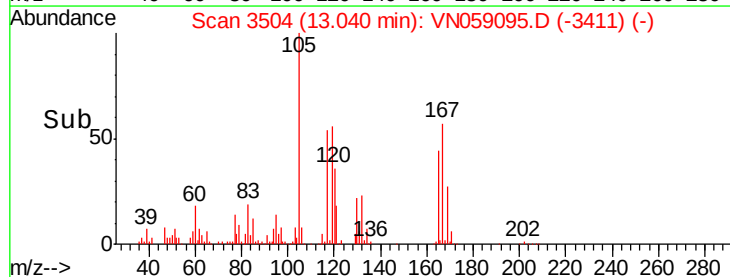
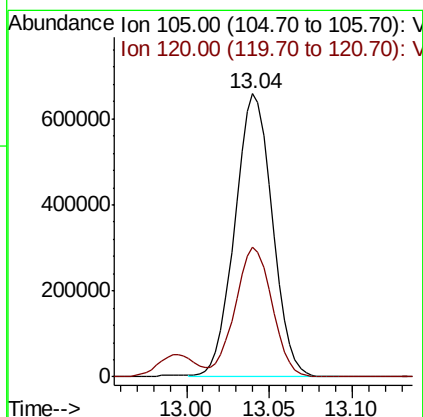
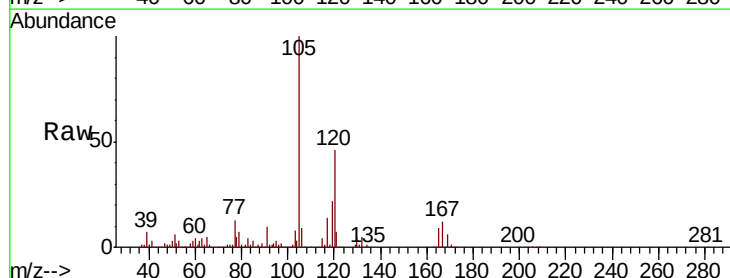
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

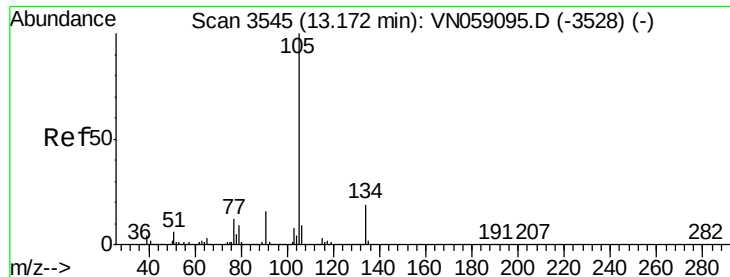
Tot Ion:119 Resp: 892640
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.2 99.6
 134 25.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.954 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion:105 Resp: 1031663
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 50.396 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

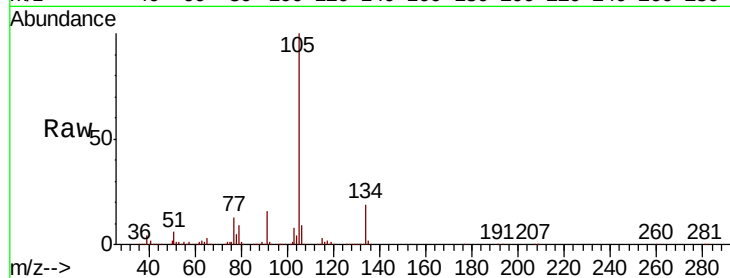
VSTDICCC050

Tot Ion:105 Resp: 1197161

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

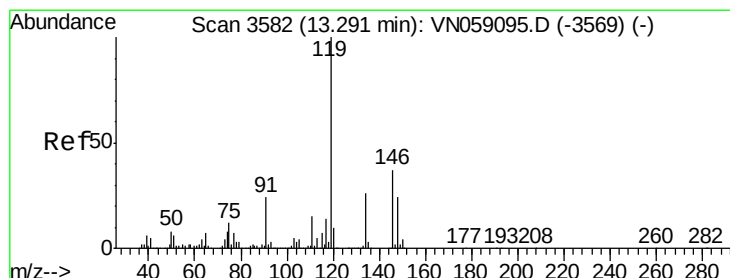
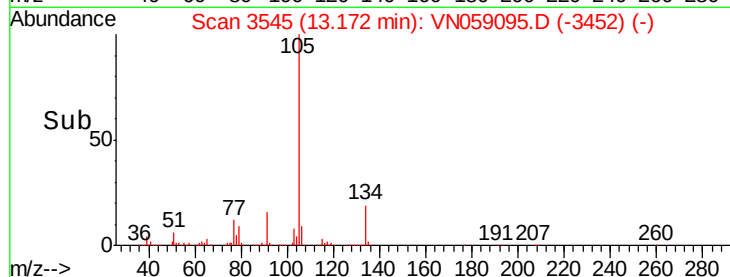
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 50.638 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

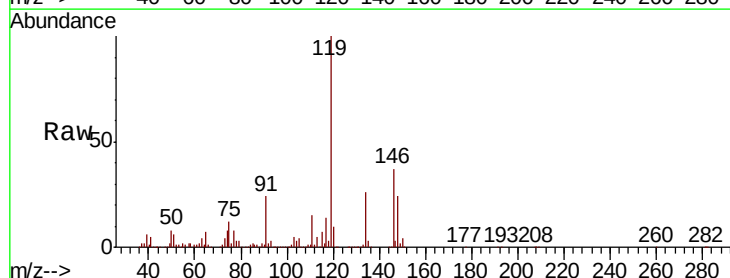
Tgt Ion:119 Resp: 1083318

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.4 11.7 35.1



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): VNO

800000

600000

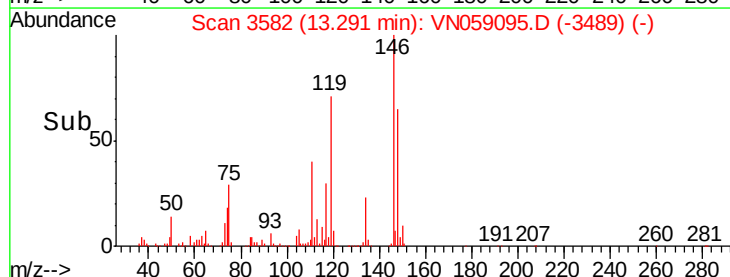
400000

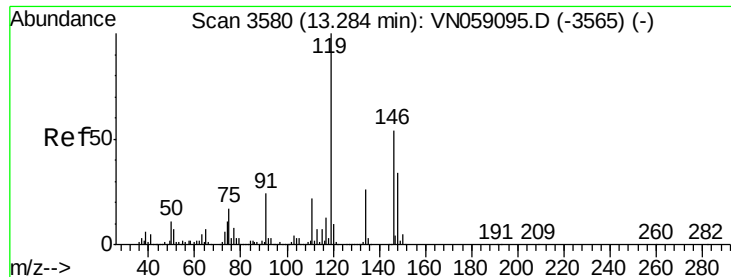
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.822 ug/l

RT: 13.28 min Scan# 3580

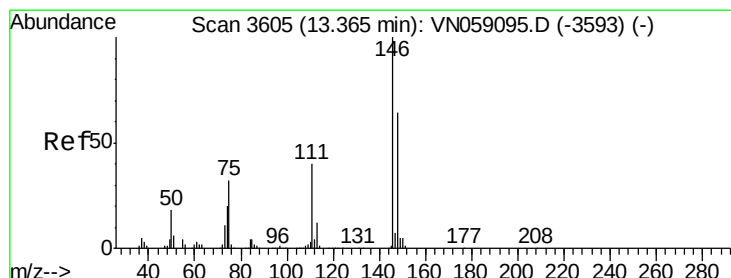
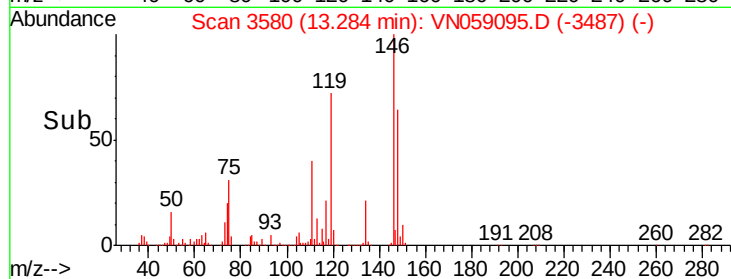
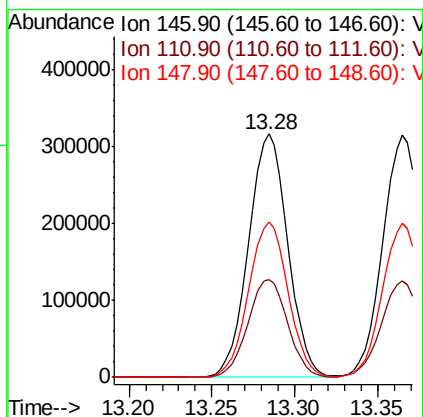
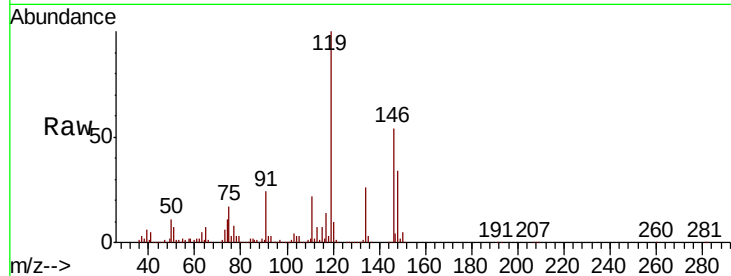
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	64.4	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 46.805 ug/l

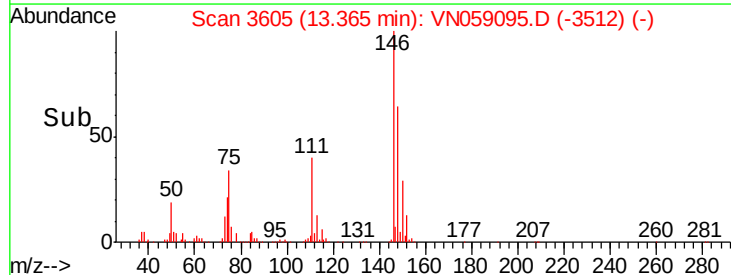
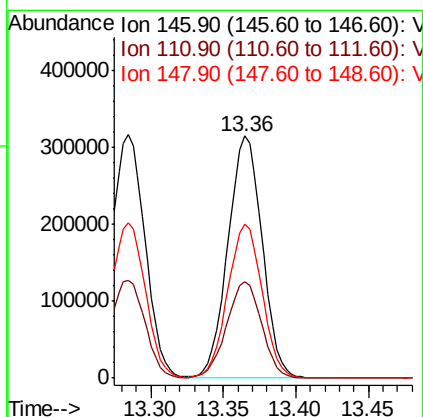
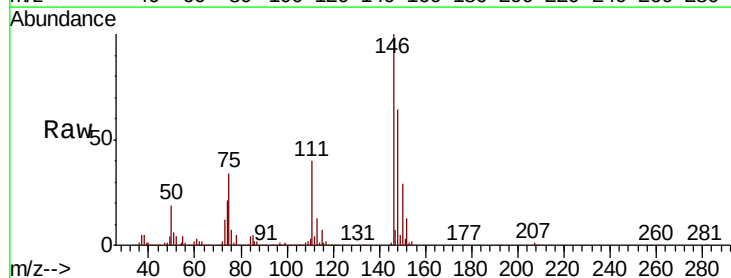
RT: 13.36 min Scan# 3605

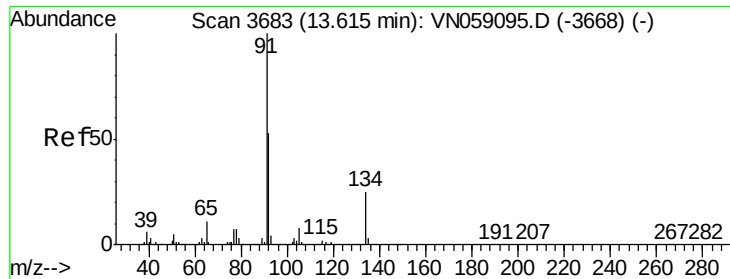
Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.8	31.9	95.7





#89

n-Butylbenzene

Concen: 50.440 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

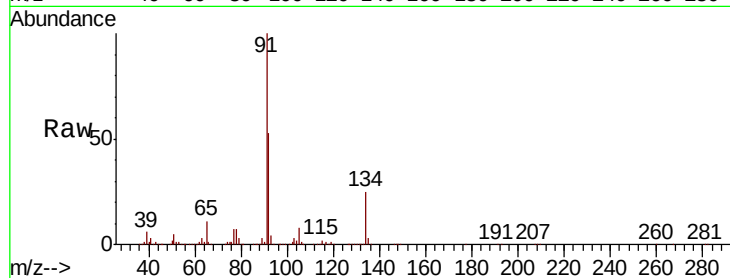
Tot Ion: 91 Resp: 936975

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 25.2 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059095.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059095.D (-3668) (-)

600000

400000

200000

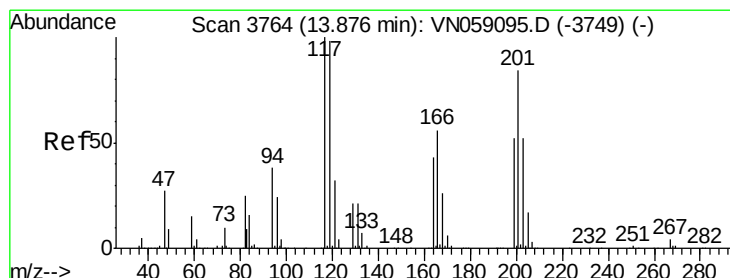
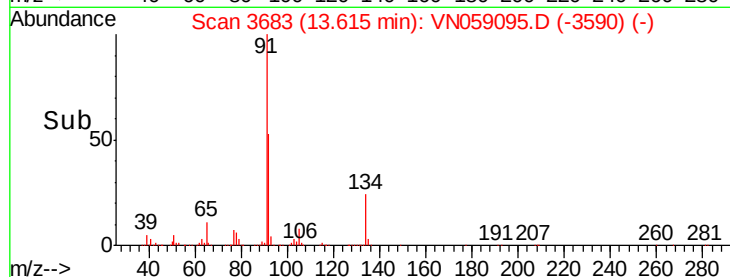
0

13.62

13.60

13.70

Time-->



#90

Hexachloroethane

Concen: 46.221 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059095.D

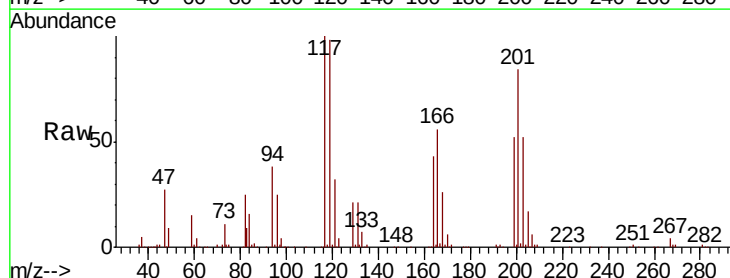
Acq: 6 Nov 2019 10:01

Tgt Ion: 117 Resp: 196267

Ion Ratio Lower Upper

117 100

201 83.5 41.8 125.3



Abundance Ion 116.80 (116.50 to 117.50): VN059095.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059095.D (-3749) (-)

100000

50000

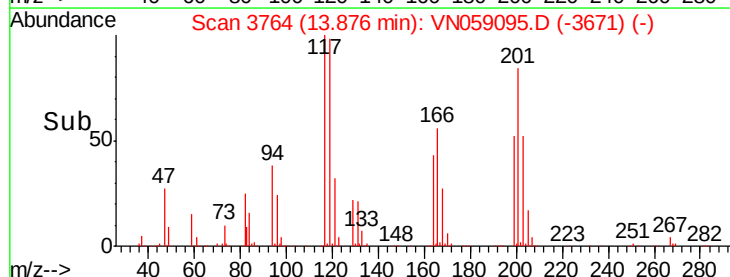
0

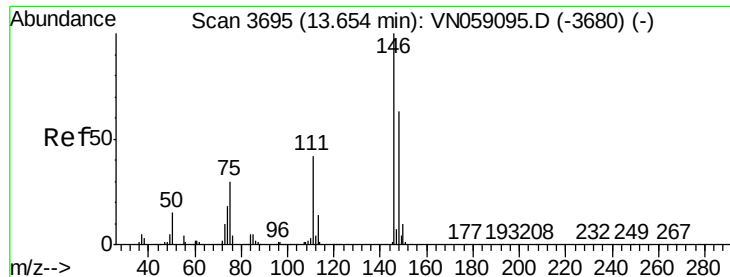
13.88

13.80

13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 46.659 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

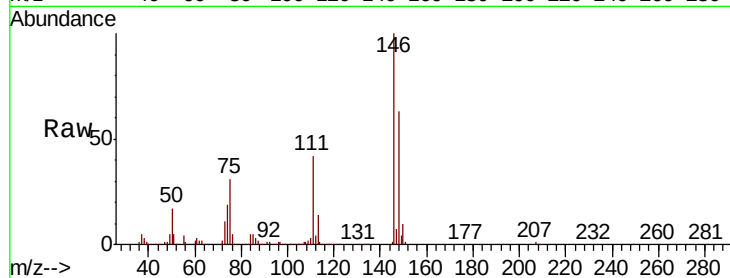
Tot Ion:146 Resp: 518417

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

148 63.1 31.6 94.7

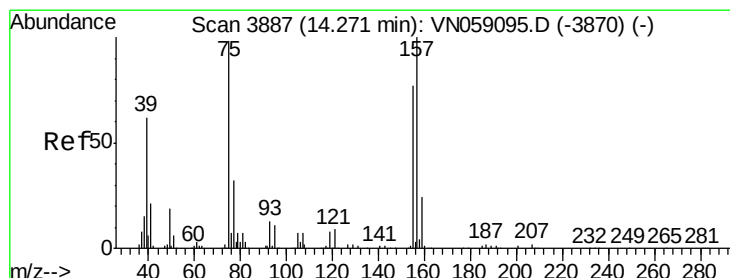
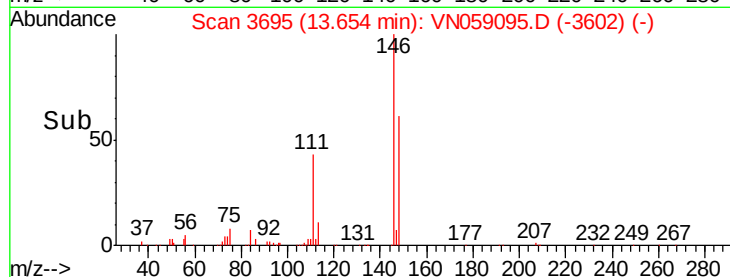
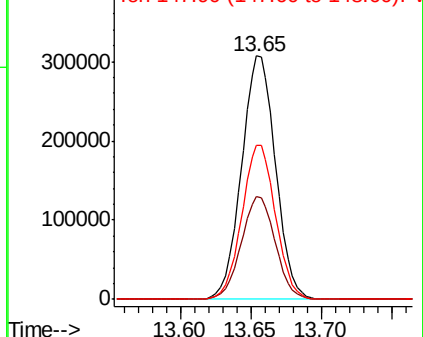


Abundance

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: 42.733 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

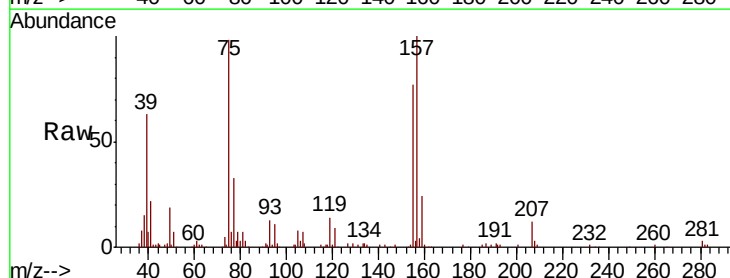
Tgt Ion: 75 Resp: 82324

Ion Ratio Lower Upper

75 100

155 80.4 40.2 120.6

157 103.7 51.8 155.5

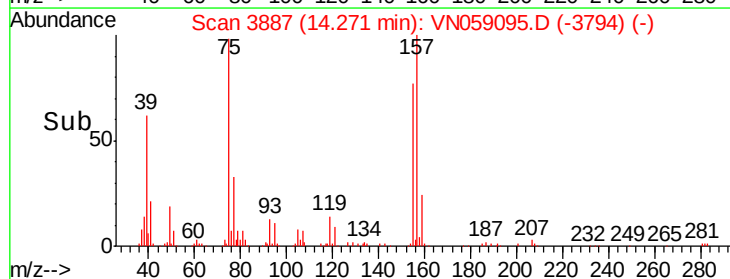
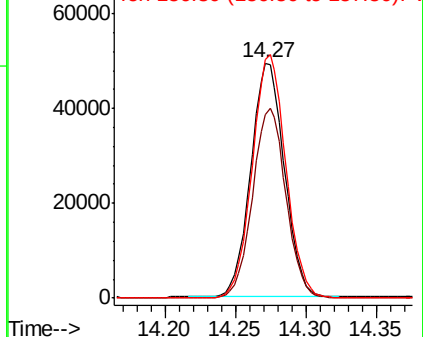


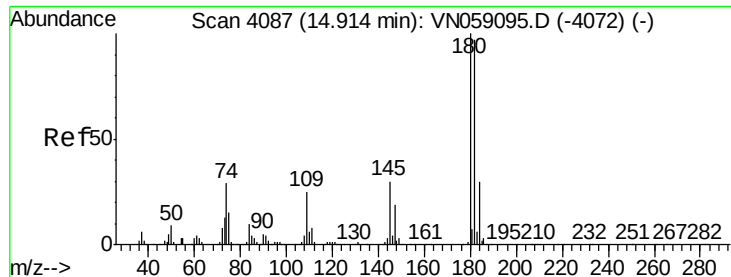
Abundance

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

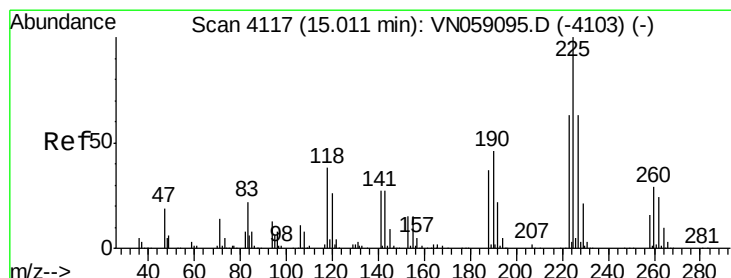
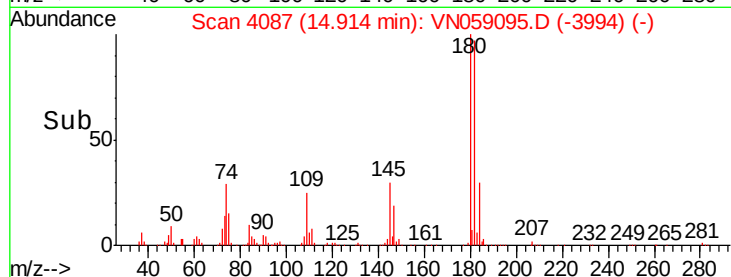
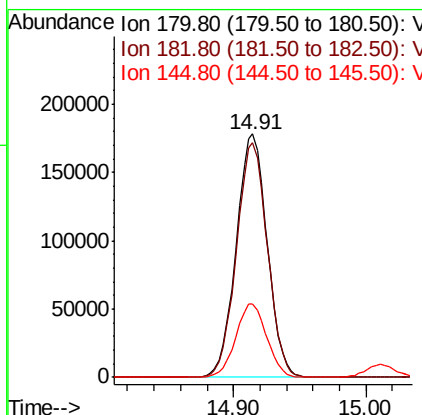
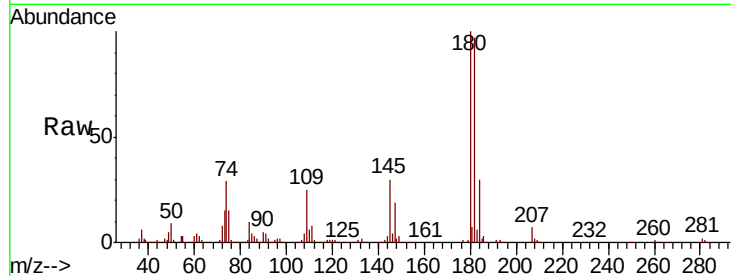




#93
 1,2,4-Trichlorobenzene
 Concen: 48.536 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

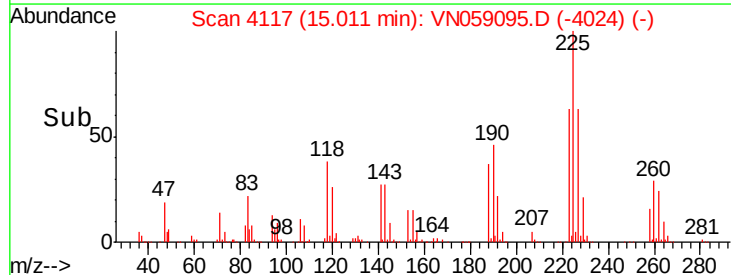
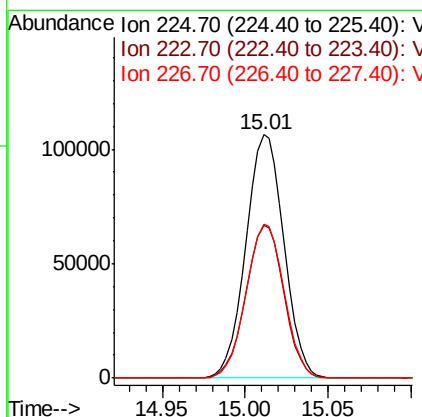
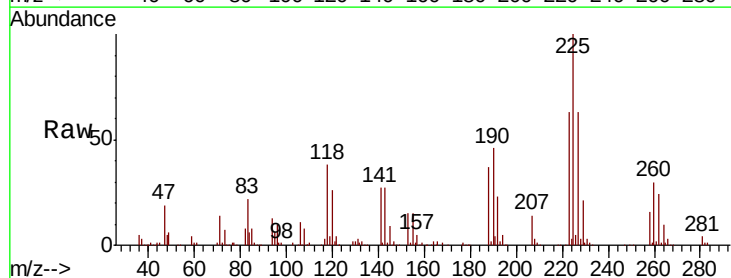
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

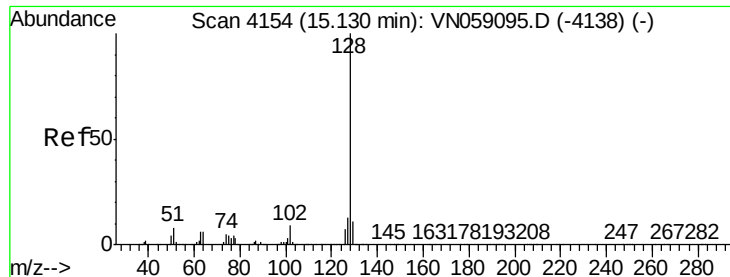
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	30.2	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 47.280 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059095.D
 Acq: 6 Nov 2019 10:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.9
227	63.0	31.5	94.5





#95

Naphthalene

Concen: 48.417 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

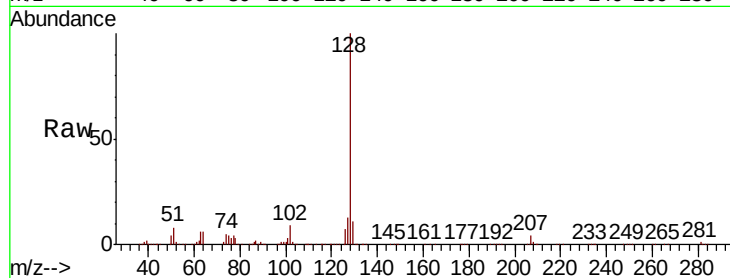
Tot Ion:128 Resp: 790292

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

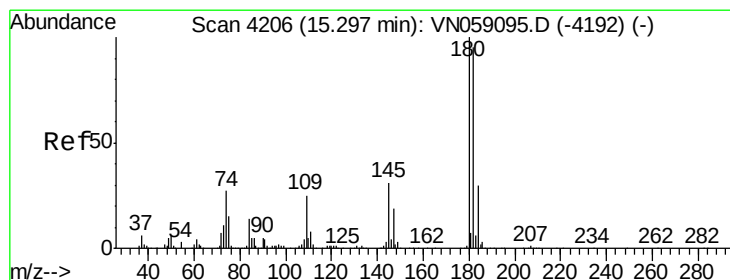
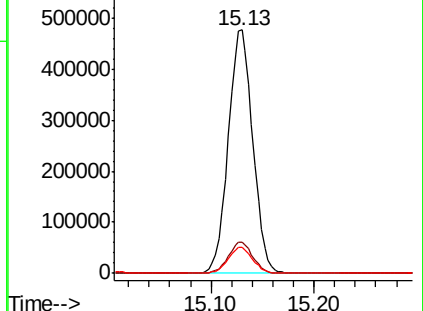
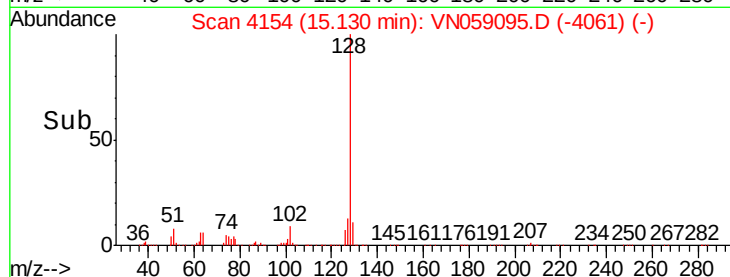
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.611 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059095.D

Acq: 6 Nov 2019 10:01

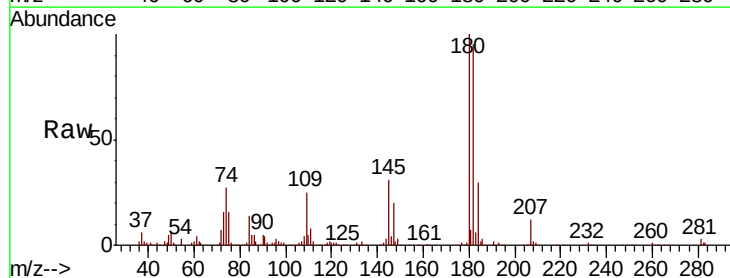
Tgt Ion:180 Resp: 290100

Ion Ratio Lower Upper

180 100

182 94.5 47.3 141.8

145 31.5 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

